



FREDERICK **COMMUNITY** COLLEGE

J-TERM/SPRING SCHEDULE 2019





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HOURS OF OPERATION

Jefferson Hall (J Building)

1ST FLOOR: *Enrollment Center* - Welcome Desk, CEWD Registration, Registration and Records, and Student Accounts/Cashiers,

2ND FLOOR: *College and Career Readiness Center* - Admissions, Counseling and Advising, Career and Transfer Services

3RD FLOOR: *Financial Services Center* - Finance and Financial Aid

Monday **8:30 am - 6:00 pm**

Tuesday–Thursday* **8:30 am - 4:30 pm**

Friday **10:00 am - 4:30 pm**

**Extended Thursday hours in July, August, and January 4:30 pm - 6:00 pm*

Adult Services, Services for Students with Disabilities, & Veterans Services (A Building, first floor)

Monday **8:30 am - 7:00 pm**

Tuesday–Friday **8:30 am - 4:30 pm**

Student Center (H Building, first floor)

Multicultural Student Services

Monday–Friday **8:30 am - 4:30pm**

Bookstore

Monday–Thursday **8:30 am - 6:00 pm**

Friday **8:30 am - 2:00 pm**

The Testing Center (L Building, first floor)

Monday–Thursday **8:30 am - 7:00 pm**

Friday **8:30 am - 4:30 pm**

Saturday **9:00 am – 12 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. Gainful employment information is available at www.frederick.edu/GE.

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

Debra S. Borden, Chair • Dr. John Molesworth, Vice Chair • Ellis Barber • Nick Diaz • Gary Fearnow • Carolyn Kimberlin • Tom Lynch
Elizabeth Burmaster, FCC President/Secretary-Treasurer • Janice Spiegel, Education Liaison/Office of the County Executive

Academic Sessions

Important Dates	
Winter Break, Enrollment Services not available	Dec. 21 – Jan. 1
Dr. Martin Luther King, Jr. Day – College Holiday	January 21
Priority registration for Military	November 2
No classes, College open	March 25-26
Spring Break	March 27-29
Classes Resume	April 1

Important Deadlines

Graduation Deadlines

Last day to apply for:

December 2018 graduation December 15, 2018

January 2019 graduation January 15, 2019

May 2019 graduation April 15, 2019

Incomplete Grade Deadlines

Fall 2018 "I" grades to F February 17, 2019

J-Term 2019 "I" grades to F February 19, 2019

J-Term January 4-22

First day of session January 4

Last day to add January 4

Last day 100% refund January 8

Last day 50% January 10

Last day to withdraw January 16

Last day of session January 22

Grades due (10 a.m.) January 24

Spring January 28-May 18

15-week

First day of session January 28

Last day to add February 1

Last day 100% refund February 1

Last day 50% February 8

Last day to withdraw April 13

Last day of session May 17

Grades due (10 a.m.) May 21

1st 8-week

First day of session January 28

Last day to add January 30

Last day 100% refund February 1

Last day 50% February 8

Last day to withdraw March 5

Last day of session March 23

Grades due (10 a.m.) April 3

1st 7-week

First day of session January 28

Last day to add January 30

Last day 100% refund February 1

Last day 50% February 8

Last day to withdraw February 28

Last day of session March 16

Grades due (10 a.m.) March 18

1st 5-week

First day of session January 28

Last day to add January 29

Last day 100% refund February 1

Last day 50% February 8

Last day to withdraw February 19

Last day of session March 2

Grades due (10 a.m.) March 4

14-week • Saturday

First day of session February 2

Last day to add February 8

Last day 100% refund February 9

Last day 50% February 16

Last day to withdraw April 15

Last day of session May 11

Grades due (10 a.m.) May 15

1st 7-week • Saturday

First day of session February 2

Last day to add February 5

Last day 100% refund February 9

Last day 50% February 16

Last day to withdraw March 6

Last day of session March 16

Grades due (10 a.m.) March 19

13-week

First day of session February 11

Last day to add February 15

Last day 100% refund February 15

Last day 50% February 22

Last day to withdraw April 18

Last day of session May 18

Grades due (10 a.m.) May 21

2nd 5-week

First day of session March 4

Last day to add March 5

Last day 100% refund March 8

Last day 50% March 15

Last day to withdraw April 2

Last day of session April 13

Grades due (10 a.m.) April 16

Registration opens November 5

2nd 7-week

First day of session April 1

Last day to add April 3

Last day 100% refund April 5

Last day 50% April 12

Last day to withdraw May 2

Last day of session May 18

Grades due (10 a.m.) May 21

2nd 8-week

First day of session March 18

Last day to add March 20

Last day 100% refund March 22

Last day 50% April 5

Last day to withdraw April 30

Last day of session May 18

Grades due (10 a.m.) May 21

2nd 7-week • Saturday

First day of session March 23

Last day to add April 3

Last day 100% refund April 6

Last day 50% April 13

Last day to withdraw May 1

Last day of session May 11

Grades due (10 a.m.) May 14

3rd 5-week

First day of session April 15

Last day to add April 16

Last day 100% refund April 19

Last day 50% April 26

Last day to withdraw May 7

Last day of session May 18

Grades due (10 a.m.) May 21

1st 10-week

First day of session January 28

Last day to add January 31

Last day 100% refund February 1

Last day 50% February 8

Last day to withdraw March 14

Last day of session April 13

Grades due (10 a.m.) April 16

2nd 10-week

First day of session March 4

Last day to add March 7

Last day 100% refund March 8

Last day 50% March 15

Last day to withdraw April 25

Last day of session May 18

Grades due (10 a.m.) May 21

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 \$3,500 per year. By comparison, the College Board reports the national average for tuition and fees exceeds \$9,000 at public four-year colleges and averages \$31,000 at private schools. With high academic standards and affordable tuition rates, FCC is a wise choice for higher education.

Spring 2019 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	\$1165.92
4	\$598.56	\$1174.56	\$1554.56
5	\$748.20	\$1468.20	\$1943.20
6	\$897.84	\$1761.84	\$2331.84
7	\$1047.48	\$2055.48	\$2720.48
8	\$1197.12	\$2349.12	\$3109.12
9	\$1346.76	\$2642.76	\$3497.76
10	\$1496.40	\$2936.40	\$3886.40
11	\$1642.80	\$3226.80	\$4271.80
12	\$1789.20	\$3517.20	\$4657.20
13	\$1935.60	\$3807.60	\$5042.60
14	\$2082.00	\$4098.00	\$5428.00
15	\$2228.40	\$4388.40	\$5813.40
16	\$2374.80	\$4678.80	\$6198.80

* 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.



How to avoid the Drop Zone.

1. Students must have paid in full, or
2. have enough anticipated financial aid posted to their PeopleSoft account, or
3. be enrolled in a payment plan (Spring only).

J-Term payment dates (No payment plans available for J-Term):

- December 13, 2018, 4:30pm
- January 3, 2019, 6:00pm

Spring payment dates:

- January 18, 2019, 4:30pm
- January 25, 2019, 4:30pm

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 \$25; No interest charges
- If you sign up for a payment plan, you are entering into a contract for all tuition and fees.

Spring 2019 Target Dates To Enroll

Last day to enroll online	Required down payment	Months of payments	Number of remaining payments*
Dec. 6	25%	Jan.–April	4
Jan. 7	30%	Feb.–April	3
Feb. 7	30%	March–May	3
March 7	40%	April–May	2
April 7	50%	May	1

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.

FCC partners with BankMobile to issue refunds electronically



Look for this BankMobile envelope to select your refund preference

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 myFCCeFunds.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.

The myFCC eFunds 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 the Welcome Desk in Jefferson Hall 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 Jefferson Hall or mail the completed application to:

Admissions Office
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 within the College and Career Readiness Center on the 2nd floor of Jefferson Hall can help you select your courses and discuss your academic and career goals. To make an appointment with Counseling and Advising, call 301.846.2471.

- Students who are advised by Multicultural Student Services (301.846.2531), Veterans 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 frederick.edu/orientation

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 computer-based assessment tests that measure individuals' reading, writing, and math skills. Minimum placement scores, known as cut scores, are established through statewide agreements. These scores are used to determine college-readiness and placement into specific courses, including developmental 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 full-time or part-time, who have not been tested in the past or whose placement scores and/or exemptions have expired.
 4. Transfer or readmitted individuals who have not completed a college-level math and/or English course.
 5. Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, 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 EN 101 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.

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.

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 college-level, 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 (www.frederick.edu) and may be revised annually.

Readmit Students

If you've attended FCC before, but not since the Fall 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), Veterans 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 12 and on the Counseling & Advising Office Web page at frederick.edu/student-resources/counseling-advising.
 - General studies, undecided, and nursing (pre-clinical) students should meet with an advisor from the Counseling & Advising Office. During registration, the Counseling & Advising Office offers same day walk-in advising service – no appointment necessary! Just stop by J-201 (Jefferson Hall).

- Students on academic alert or academic probation must meet with an advisor from Counseling & Advising Office, Multicultural Services, Adult Services, Veterans Services, or Services for Students with Disabilities prior to registering for classes.
- Students returning to FCC from academic suspension must schedule an appointment with the Success Advisor 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 Desk.
- If you're on academic alert or probation, you must have your form approved by an advisor in the Counseling & Advising Office before you register.
- If you plan to take more than 18 credits during the semester, you will need a signature from the Counseling & Advising Office.

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 60 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 transcripted 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 Registration and Records, 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 frederick.edu/enroll-now/visiting-students

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/J-Term); 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 Desk.

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 Policy and Procedures

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"** refers to the permanent place of abode, where physical presence and possessions are maintained with the intention of remaining indefinitely; or the permanent place of abode of any person or persons contributing more than ½ of the student's financial support during the most recently completed year. Only one domicile may be maintained by a student.
- B. **"Maryland resident"** refers to an individual who has maintained a domicile in Maryland for at least three (3) months before becoming an enrolled student.
- C. **"Enrolled student"** refers to an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes, who has either paid or made 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"** refers to in-county residents if, at the time of their application, are domiciled in Frederick County for three (3) consecutive months prior to application.
2. **"Dependent Maryland resident students"** refers to an unmarried individual claimed by parent(s) or guardian(s) as an income tax exemption in the previous taxable year and are considered to be "in-county" residents if, at the time of their application, their parent(s) or guardian(s) are domiciled in Frederick County for three (3) consecutive months prior to application.

E. Out-of-County:

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

F. Out-of-State:

1. **"Non-dependent students"** refers to residents of another state if, at the time of their application, they are domiciled outside of the State of Maryland, or if they have lived in Frederick County less than three months.

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

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.

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 and H4	Temporary worker and dependents	In-County
H2 and 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

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:

- 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 VI to the Admissions Office and complete the "Change of Address" form available either online at www.frederick.edu or from Registration and Records in Jefferson Hall. The proof of residency and "Change of Address" form must be submitted in one of the following ways:

1. in-person to Registration and Records in Jefferson Hall,
2. online through personal "myfcc" email account to registration@frederick.edu,
3. by fax (301-624-2799), 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 that effects residency, 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 (www.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.

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

FCC offers an agreement that allows eligible 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.

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 to a selected bank account. Please visit refundselect.com to set up your banking information to ensure your 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 beginning December 14 for J-Term and January 7 for Spring semester. 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

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, Financial Aid 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 loan application process is 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 Spring 2019 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
11/5–1/18, 4:30pm	11/30	1/18, 4:30pm
1/18–1/25, 4:30pm	Must pay in full or enroll in payment plan	1/25, 4:30pm
After 1/25	Must pay in full or enroll in payment plan	If enrolled after 1/25 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 have submitted all required items on your "to do" list in Peoplesoft
- You are not suspended from financial aid; and
- You are not in default on a prior student loan

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. *See drop dates listed on page 2.*

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

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.

Financial Aid for J-term

If you are receiving Federal Title IV financial aid (Federal Pell Grant or Federal Direct Loan) and have been awarded financial aid for the spring 2019 semester, check with the Financial Aid to find out how to use financial aid for your tuition bill for J-term.

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:

- November 1–December 31 for spring 2019

Contact Michael Thornton, Scholarship Program Manager in the FCC Foundation Office, 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

- January 2..... Financial Aid available for spring books
- January 2..... Spring books available to purchase and rent
- January 21..... Bookstore closed
- January 23..... Textbook buyback from 9am to 6pm
- January 26 (Saturday)..... 10am–2pm
- March 25–April 1 Bookstore closed
- May 15,16, 20, and 21..... Textbook buyback from 9am to 6pm
- May 27Bookstore 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. All book rentals must be secured with a credit card, and may be paid for with cash, check, or credit card. Students must be 18 or older to rent books and must provide a valid Student ID. Students younger than 18 must have a parent sign for the rental.

You may order online at bookstore.frederick.edu using credit card or 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 contact the Welcome Center (in writing) with their request. There is no expiration date for these access exceptions. Contact the Welcome Center for additional information.

Phone Directory

College Information	301.846.2400
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	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
International Education	301.846.2521
Internships	301.624.2724
Multicultural Student Services	301.846.2531
Prior Learning Assessment	301.846.2587
Registration & Records	301.846.2431
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 (In-coming)	301.846.2595
Transcripts (Out-going)	301.846.2653
Tutoring & Writing Center	301.846.2619
Veterans Center	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: Michele Tertel	301.624.2845
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
Computer Aided Design Technology: Dr. Renee Davis	301.846.2587
Business Administration, Business Management, Economics: Dr. Karen A. Wilson	301.846.2611
Computer Science, Data Science, Information Systems Management, Information Technology-all options, Cybersecurity: Dr. Andy Yao	301.846.2410
Construction Management: Dr. Renee Davis	301.846.2587
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 Sign Language Interpreter Prep Leslie Puzio	301.624.2783
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
Graphic Design, Film & Video Production: Jason Santelli	301.846.2533
Humanities/Philosophy: Dr. Kathy Brooks	301.846.2635
Music: Dr. Paula Chipman	301.846.2566
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 (A106C): Kathy Green	240.629.7925

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

Internship & Apprenticeships

Internship & Apprenticeship Coordinator: Carla Milan	301.624.2724
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Mathematics

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

Nursing

Director of Nursing Education, Nursing: Vanessa Lovato	301.846.2607
Office Manager (L-114G): Marie Lalor	301.846.2524

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 Frankenberg Engineering: Dr. Perry Wood	301.846.2606 301.846.2554

Social Sciences

Office Manager (H-237): Nicole Welch	301.846.2507
Anthropology/Archaeology, History, Political Science: Natalie Bowers	301.846.2571
Criminal Justice: Natalie Bowers	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
Geography, Sociology: Natalie Bowers	301.624.2837
Human Services: Natalie Bowers	301.846.2696
Psychology: Natalie Bowers	240.629.7857

Public Safety

Fire Service Administration, Police Sciences: Robin Shusko	301.846.2673
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General Education Courses J-term and/or Spring 2019 Offerings

1. Arts & Humanities

Arts

Music

- MU 101 - Introduction to Music History & Appreciation (3)
- MU 103 - Fundamentals of Music (3)
- ‡ MU 108 - Survey of World Music (3)
- MU 109 - History of American Popular Music (3)

Theatre

- THR 101 - Introduction to Theatre (3)

Visual 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
- ‡ AR 104 - The History of Art: Prehistoric to Early Renaissance
- ‡ AR 105 - The History of Art: Renaissance to Modern
- AR 106 - Drawing I (3)
- AR 113 - Pottery I (3)
- CMM 101 - Introduction to Electronic Media (3)
- CMM 103 - Introduction to Film (3)
- CMM 105 - Basic Darkroom to Digital Photography (3)

Communications

- CMSP 101 - Introduction to Communication Studies (3)
- CMSP 103 - Speech Fundamentals (3)
- ‡ CMSP 105 - Small Group Communication (3)
- CMSP 107 - Career Communications (3)
- EN 102 - English Composition & Literature (3)*
- ‡ EN/CMM 241 - Journalism Publication Practicum (3) †

Humanities

English

- EN 102 - English Composition & Literature (3)*
- EN 202 - British Literature Eighteenth Century through the Present (3)
- EN 204 - American Literature Civil War Period through the Present (3)
- ‡ EN 206 - World Literature 1650 C.E. through the Present (3)
- ‡ EN 230 - African American Literature (3)
- ‡ EN/CMM 241 - Journalism Publication Practicum (3) †

Humanities

- ‡ HU 107 - Cultural Studies: Asia
- ‡ HU 210 - The Language of Hip Hop (3)

Languages

American Sign Language

- ASLS 102 - American Sign Language I (3)
- ASLS 103 - American Sign Language II (3)
- ASLS 202 - American Sign Language III (3)
- ASLS 203 - American Sign Language IV (3)

Arabic

- LAR 101 - Introductory Arabic I (3)

Chinese

- LC 101 - Introduction Chinese I (4)

French

- LF 102 - Introductory French II (3)

German

- LG 101 - Introductory German I (3)

Latin

- LL 102 - Introductory Latin II (3)
- LL 202 - Intermediate Latin II (3)

Russian

- LR 102 - Introductory Russian II (3)
- LR 201 - Intermediate Russian I (3)

Spanish

- LS 101 - Introductory Spanish I (3)
- LS 102 - Introductory Spanish II (3)
- ‡ LS 202 - Intermediate Spanish II (3)

Philosophy

- PH 101 - Introductory 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)

2. English

- EN 101 - English Composition (3)

3. Interdisciplinary & Emerging Issues

Computer Literacy

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

Wellness

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

Emerging Issues

- ‡ ACE 101H - Academic Engagement Seminar (3)
- ‡ ACE 250 - Global Scholar Experience
- ‡ ASLS 106 - Intro to Deaf Community and History (3)
- ‡ BU 281 - Global Awareness/Work Environment (3)
- EM 101 - Disaster, Crisis and Emergency Management (3)

4. Mathematics

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

5. Biological & Physical Sciences

- BI 100 - Fundamental Concepts of Biology (4)
- BI 101 - Principles of Biology I (4)
- BI 102 - Principles of Biology II (4)
- BI 103 - Anatomy & Physiology (4)
- BI 104 - Anatomy & Physiology (4)
- BI 107 - Human Biology (4)
- BI 117 - Study of the Human Body (3)
- BI 120 - Microbiology for Allied Health (4)
- BI 130 - Forensic Biology (4)
- BI 140 - Biotechnology and Society (3)
- BI 201 - General Ecology (4)
- BI 202 - Human Ecology (3)
- CH 101 - General Chemistry (4)
- CH 102 - General Chemistry (4)
- PC 103 - Survey of Physical Science (3)
- PC 104 - The Water Planet: Intro. to Oceanography (3)
- PC 105 - Survey of Meteorology (3)
- PC 106 - Introduction to Meteorology (4)
- PC 107 - Introductory Astronomy (4)

Biological & Physical Sciences continued

- PC 108 - Historical Geology (4)
- PC 114 - Introduction to Physical Science (4)
- PC 115 - Introduction to Earth Systems Science (4)
- PC 121 - Energy and Society (3)
- PY 101 - Survey of Physics (3)
- PY 202 - Fundamentals of Physics (4)
- PY 203 - Introductory Physics I (4)
- PY 204 - Introductory Physics II (4)

6. Social & Behavioral Sciences

Anthropology

- ‡ AN 101 - Introduction to Anthropology (3)

Economics

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

Education

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

Geography

- GG 101 - Elements of Geography (3)
- ‡ GG 102 - Cultural Geography (3)
- ‡ GG 201 - Urban Social 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 220 - World War II (3)
- HI 221 - The Sixties (3)

Human Services

- ‡ HS 102 - Human Relations (3)

Political Science

- PI 104 - American Government: National (3)

Psychology

- PS 101 - 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. Students will not be required to take an additional course for graduation; rather, courses can double-count to fulfill an existing general education requirement as well as the cultural competence requirement. Following is a list of courses that will fulfill the cultural competence requirement.

- ACE 101H - Academic Engagement Seminar
- ACE 250 - Global Scholar Experience
- AN 101 - Introduction to Anthropology
- AN 103 - Introduction to Archaeology
- AR 103 - The History of Art: Non-Western
- AR 104 - The History of Art: Prehistoric to Early Renaissance
- AR 105 - Survey of Art II
- ASLS 106 - Introduction to Deaf Community and History
- BU 281 - Global Awareness/Work Environment
- CMSP 105 - Small Group Communication

- ED 203 - Foundations of Special Education
- EM 203 - Social Impacts of Disaster
- EN 206 - World Literature 1650 C.E. through the Present
- EN 230 - African American Literature
- EN/CMM 241 - Journalism Publication Practicum
- GG 102 - Cultural Geography
- GG 201 - Urban Social Geography
- HE 130 - Tai Chi: A Cultural Perspective
- HI 121 - World History I
- HI 217 - African-American History
- HOS 240 - International and American Regional Cuisine
- HS 102 - Human Relations
- HU 105 - Cultural Studies: Latin America
- HU 107 - Cultural Studies: Asia
- HU 210 - The Language of Hip Hop
- LA 100 - Introduction to Law
- LS 202 - Intermediate Spanish II
- MU 108 - Survey of World Music
- NU 101 - Introduction to Clinical Nursing
- PH 204 - World Religions
- PH 210 - Ethics and Film
- SO 102 - Social Problems
- SO 210 - Ethnic Diversity
- SO 212 - Gender and Society
- ST 101 - Introduction to Surgical Technology

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

◇ EN/CMM 241 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.

‡ Course satisfies Cultural Competence Requirement)

2019

J-TERM Credit Schedule

January 4 -22, 2019

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 appropriate college-available computers. Blackboard access is also required to complete course evaluations.

ACCT: Accounting

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.

603 ACCT101-1 T-F 9:00am - 12:45pm J-Term \$
\$ 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.

630 AN101-ONL1 ONLINE J-Term

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

AR: Art

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.

613 AR106-1 T-F 9:00am - 12:45pm J-Term
625 AR106-2 T-F 9:00am - 12:45pm J-Term

Note: Students must furnish own supplies.

ASLS: American Sign Language Studies

ASLS250-ASL Immersion Experience (1)

Prerequisite: Grade of C or better in ASLS202

Provides American Sign Language students with an opportunity to gain knowledge and skills from a planned "outside the classroom" experience with native ASL users in the community. In addition to meeting the Core Learning Outcomes, students will gain invaluable language experience in an immersion experience.

652 ASLS250-1 F, Sat, Sun TBD 1/25-1/27/18

BI: Biological Science

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.

602 BI202-1 T-F 9:00am - 12:45pm J-Term

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.

642 BU103-ONL1 ONLINE J-Term \$
\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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.

604 CIS101-HYB1 TWTH 9:30am - 11:55am J-Term \$
605 CIS101-HYB2 TWTH 5:30pm - 8:00pm J-Term \$
633 CIS101-ONL1 ONLINE J-Term \$

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

CMSP: Communications Speech

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.

615 CMSP103-1 T-F 9:00am - 12:45pm J-Term
616 CMSP103-2 T-F 5:00pm - 8:45pm J-Term

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

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.

617 CMSP105-1	T-F	9:00am - 12:45pm	J-Term
618 CMSP105-2	T-F	9:00am - 12:45pm	J-Term

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.

606 EC201-ONL1		ONLINE	J-Term	
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

EN: English

EN226 - Film as Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

Surveys selected films and their counterparts in literature. Emphasizes narrative abilities of film.

619 EN226-1	T-F	9:00am - 12:45pm	J-Term
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HE: Health Education

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.

612 HE201-1	T-F	9:00am - 12:45pm	J-Term
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HE204 - Health Education (3)

Covers basic areas of health, including mental health, fitness, nutrition, weight control, sexual health, drugs and alcohol, disease and consumer and environmental health.

636 HE204-1	T-F	1:00pm - 4:45pm	J-Term
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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.

641 HI101-ONL1		ONLINE	J-Term
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HI201 - History of the United States (3)

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.

622 HI201-1	T-F	9:00am - 12:45pm	J-Term
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HOS: Hospitality Culinary Tourism

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.

650 HOS121-HYB1	THF	9:00am-12:00pm	J-Term
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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.

609 HS102-1	T-F	9:00am - 12:45pm	J-Term
620 HS102-ONL1		ONLINE	J-Term

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

INTR: Internship

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.

INTR101 - Internship (1)

624 INTR101-1	TBA	J-Term
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INTR102 - Internship (2)

626 INTR102-1	TBA	J-Term
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INTR103 - Internship (3)

631 INTR103-1	TBA	J-Term
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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.

MA: Mathematics

MA103 - Foundations of Mathematics (3)

Gen Ed Math

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.


629 MA103-ONL1  **ONLINE** **J-Term**

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

MA206 - Statistics (3)

MA 206

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.

601 MA206-1 **T-F** **9:00am - 12:45pm** **J-Term**
628 MA206-ONL1  **ONLINE** **J-Term**

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

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.

634 MA214-ONL1  **ONLINE** **J-Term**

MDA: Medical Assisting

MDA104 - Medical Assisting Clinical I (1)

Prerequisites: MDA 102, MDA 112

Provides supervised placement in a contracted facility for guided experience in application of knowledge and skill of business and administrative skills in a medical office. Emphasis is placed on enhancing competence in medical skills necessary for comprehensive patient care and strengthening professional communications and interactions.

608 MDA104-1 **ASG** **J-Term**

MDA105 - Medical Administration Clinical I (1)

Prerequisites: MDA 109, MDA 112

Provides supervised placement in a contracted facility for guided experience in the application of business and administrative skills in a healthcare office. Emphasis is placed on enhancing competence in medical office skills for comprehensive patient care and strengthening professional communications and interactions.

648 MDA105-1 **ASG** **J-Term**

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.

635 MDA108-ONL1  **ONLINE** **J-Term**

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

MDA109 - Medical Terminology (3)

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.

644 MDA109-ONL1  **ONLINE** **J-Term**

MU: Music

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.

647 MU109-1 **T-F** **9:00am - 12:45pm** **J-Term**

NU: Nursing

NU50 - Preparation for Nursing (0) [1]

Prerequisite: Acceptance into clinical nursing program

Serves as a basis for developing proficiency and accuracy in dosage calculation. Includes computations for oral, parenteral, and intravenous routes of administration for adults and children using the apothecaries, metric, and household systems of measurement.

607 NU50-HYB1 **W** **5:00pm - 9:00pm** **J-Term**

Note: Student must be accepted into the nursing clinical component for January 2017.

PE: Physical Education

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.

649 PE154-1 **T-F** **9:00am - 12:45pm** **J-Term**

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.



646 PH101-ONL1  **ONLINE** **J-Term**

PS: Psychology

PS101 - General Psychology (3)

Gen Ed Psychology

Emphasizes the major factors that influence human behavior, including behavioral neuroscience, perceptual processes, consciousness, intelligence, personality and psychological disorders.

610 PS101-1	T-F	9:00am - 12:45pm	J-Term
621 PS101-ONL1		ONLINE	J-Term
637 PS101-ONL2		ONLINE	J-Term

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

SO: Sociology

SO101 - Introduction to Sociology (3)

Gen Ed Sociology

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.

611 SO101-1	T-F	9:00am - 12:45pm	J-Term
627 SO101-ONL1		ONLINE	J-Term

Note: This course is scheduled in an accelerated format of 14 workdays (not counting Sundays). Be mindful that it covers the same material as a 15 week course in this condensed time frame. If you are unable to devote a significant number of hours each day you may have difficulty being successful. Please consider the time you can dedicate to this course before enrolling.

SO102 - Social Problems (3)

Gen Ed Sociology; Cultural Competence

Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

623 SO102-1	T-F	9:00am - 12:45pm	J-Term
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No/Low Cost Course Sections



This icon indicates a No/Low Cost Course.

If a course has this icon, it means the textbook materials for the specified course are available for less than \$40.

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.

2019



J-TERM Online & Hybrid Courses

January 4 -22, 2019

See complete course descriptions and prerequisites and/or corequisites in the 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 appropriate college-available computers. Blackboard access is also required to complete course evaluations.

AN: Anthropology

AN101 - Introduction to Anthropology (3)
630 AN101-ONL1 ONLINE

BU: Business Studies

BU103 - Introduction to Business (3)
642 BU103-ONL1 ONLINE

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

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)
604 CIS101-HYB1 TWTH 9:30am - 11:55am HYBRID
605 CIS101-HYB2 TWTH 5:30pm - 8:00pm HYBRID
633 CIS101-ONL1 ONLINE

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

EC: Economics

EC201 - Principles of Economics (3)
606 EC201-ONL1 ONLINE

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

HI: History

HI101 - History of Western Civilization (3)
641 HI101-ONL1 ONLINE

HS: Human Services

HS102 - Human Relations (3)
620 HS102-ONL1 ONLINE

MA: Mathematics

MA103 - Foundations of Mathematics (3)
629 MA103-ONL1 ONLINE

MA206 - Statistics (3)
628 MA206-ONL1 ONLINE

MA214 - Introduction to MATLAB (1)
634 MA214-ONL1 ONLINE

MDA: Medical Assisting

MDA108 - Basic Medical Terminology (1)
635 MDA108-ONL1 ONLINE

MDA109 - Medical Terminology (3)
644 MDA109-ONL1 ONLINE

NU: Nursing

NU50 - Preparation for Nursing (0) [1]
607 NU50-HYB1 W 5:00pm - 9:00pm HYBRID

Note: Student must be accepted into the nursing clinical component for January 2017.

PH: Philosophy

PH101 - Introduction to Philosophy (3)
646 PH101-ONL1 ONLINE

PS: Psychology

PS101 - General Psychology (3)
621 PS101-ONL1 ONLINE
637 PS101-ONL2 ONLINE

SO: Sociology

SO101 - Introduction to Sociology (3)
627 SO101-ONL1 ONLINE

2019

SPRING 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 appropriate college-available computers. Blackboard access is also required to complete course evaluations.

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.

1865 ACCT100-1	TTH	8:00am - 9:15am	15-week	⌘⌘⌘
1063 ACCT100-2	M	5:00pm - 7:30pm	15-week	⌘⌘⌘
1064 ACCT100-HYB1	SAT	8:30am - 12:00pm	1st 7-week Saturday	⌘⌘⌘

⌘ 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.

1065 ACCT101-1	MW	11:00am - 12:15pm	15-week	⌘⌘⌘
1066 ACCT101-2	MW	2:00pm - 3:15pm	15-week	⌘⌘⌘
1067 ACCT101-3	TTH	8:00am - 9:15am	15-week	⌘⌘⌘
1068 ACCT101-4	TTH	9:30am - 10:45am	15-week	⌘⌘⌘
1069 ACCT101-5	TTH	11:00am - 12:15pm	15-week	⌘⌘⌘
1070 ACCT101-6	M	5:00pm - 7:35pm	15-week	⌘⌘⌘
1071 ACCT101-HYB1	T	6:00pm - 8:35pm	1st 7-week	⌘⌘⌘
1072 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.

1073 ACCT102-1	MW	12:30pm - 1:45pm	15-week	⌘⌘⌘
1074 ACCT102-2	TTH	9:30am - 10:45am	15-week	⌘⌘⌘
1075 ACCT102-3	TTH	12:30pm - 1:45pm	15-week	⌘⌘⌘
1076 ACCT102-4	W	5:00pm - 7:35pm	15-week	⌘⌘⌘
1077 ACCT102-HYB1	T	6:00pm - 8:35pm	2nd 7-week	⌘⌘⌘
1078 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.

1079 ACCT111-HYB1 SAT 9:00am - 12:00pm 2nd 7-week Saturday

Note: On-campus sessions: first and last Saturday only; 03/24 and 05/12; Students advised to purchase book with software from FCC Bookstore, Students advised to purchase book with software from FCC Bookstore

ACCT117 - Payroll Accounting (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 (ACCT 100 or ACCT 101)

Examines the concepts, regulations, laws and procedures related to payroll accounting. The course is comprehensive and detailed to prepare students to be competent to account for the payroll of all businesses. Includes hands-on preparation of all payroll forms, schedules, records, and applications of different systems.

1080 ACCT117-1 TH 5:00pm - 7:35pm 15-week

ACCT202 - Intermediate Accounting II (4)

Prerequisites: ACCT 100 and ACCT 101, or ACCT 101 and ACCT 102, or ACCT 201

Provides an intensive study of accounting for tangible and intangible assets, current and non-current liabilities, stockholders' equity, and investments. Emphasis is placed on proper accounting and financial statement disclosure of earnings per share, leases, deferred income taxes, and accounting changes, with an analysis of time value of money applications.

1081 ACCT202-HYB1 M 5:00pm - 7:05pm 15-week

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.

1082 ACCT203-1 TH 5:00pm - 7:35pm 15-week

ACCT214 - Auditing (3)

Prerequisites: ACCT 100 and ACCT 101 or ACCT 101 and ACCT 102

Examines auditing principles and their application to the examination of financial statements. Special attention to authoritative pronouncements, internal control, auditing procedures and working papers as well as professional ethics and responsibilities. Students perform an auditing case study outside of class.

2201 ACCT214-HYB1 W 5:00pm - 6:30pm 15-week

ACCT233 - Applied Accounting (3)

Prerequisites: ACCT 111, ACCT 201, CIS 111E

Provides students with hands-on experiences completing the daily duties and tasks required of a staff accountant. During the first half of the course, students review the accounting concepts related to the duties and tasks. During the second half of the course, students apply their knowledge of accounting principles and procedures to complete the duties and tasks. Students work in a simulated business environment using accounting application software.

2018 ACCT233-HYB1 T 5:00pm - 6:15pm 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.

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.

1496 ACE100-LK1 MW 12:00pm - 12:50pm 15-week

Note: Students must register for ACE100-LK1 and EN101-LK1

2053 ACE100-LK2 MW 12:30pm - 1:20pm 15-week

Note: Students must register for ACE100-LK2 and EN101-LK2

1497 ACE100-LK3 TTH 9:30am - 10:20am 15-week

Note: Students must register for ACE100-LK3 and EN101-LK3

1498 ACE100-LK4 TTH 12:00pm - 12:50pm 15-week

Note: Students must register for ACE100-LK4 and EN101-LK4

1912 ACE100-LK5 TTH 5:00pm - 5:50pm 15-week

Note: Students must register for ACE100-LK5 and EN101-LK5

1495 ACE100-LK6 MW 7:30pm - 8:20pm 15-week

Note: Students must register for ACE100-LK6 and EN101-LK6

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.

1490 EN101-LK1 MW 10:30am - 11:45am 15-week

Students must register for EN101-LK1 and ACE100-LK1

1493 EN101-LK2 MW 11:00am - 12:15pm 15-week

Students must register for EN101-LK2 and ACE100-LK2

1967 EN101-LK3 TTH 8:00am - 9:15am 15-week

Students must register for EN101-LK3 and ACE100-LK3

1491 EN101-LK4 TTH 10:30am - 11:45am 15-week

Students must register for EN101-LK4 and ACE100-LK4

1492 EN101-LK5 TTH 3:30pm - 4:45pm 15-week

Students must register for EN101-LK5 and ACE100-LK5

1489 EN101-LK6 MW 6:00pm - 7:15pm 15-week

Students must register for EN101-LK6 and ACE100-LK6

ACE: Academic and Career Engagement

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.

2049 ACE101H-1 MW 2:00pm - 3:15pm 15-week

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

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.

1929 ACE110-1 TH 5:30pm - 8:25pm 13-week

1766 ACE110-HYB1 TH 12:30pm - 1:45pm 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.

2217 ACE111A-HYB1 T 12:30pm - 1:15pm 1st 8-week

2218 ACE111A-HYB2 T 12:30pm - 1:30pm 2nd 7-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.

2207 ACE201H-1 MW 2:00pm - 3:15pm 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.

1306 AN101-1 MW 9:30am - 10:45am 15-week

2013 AN101-2 MW 2:00pm - 3:15pm 15-week

2151 AN101-3 TTH 8:00am - 9:15am 15-week

1305 AN101-4 TTH 11:00am - 12:15pm 15-week

1307 AN101-ONL1 ONLINE 15-week

2106 AN101-ONL2 ONLINE 15-week

AR: Art

AR100 - Introduction to the Creative Arts (3)

Gen Ed Arts

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.

1519 AR100-1 MW 9:30am - 10:45am 15-week

1520 AR100-2 MW 11:00am - 12:15pm 15-week

1522 AR100-3 TTH 9:30am - 10:45am 15-week

1521 AR100-4 TTH 11:00am - 12:15pm 15-week

1523 AR100-ONL1 ONLINE 15-week

2108 AR100-ONL2 ONLINE 2nd 8-week

AR101 - Two Dimensional Art 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)

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

1524 AR101-1	MW	12:30pm - 2:30pm	15-week
1525 AR101-2	TTH	9:30am - 11:30am	15-week
1526 AR101-3	TTH	12:30pm - 2:30pm	15-week

Note: Students must furnish own supplies.

AR102 - Three Dimensional Art and Design (3)

Prerequisite: AR 101

Builds on the design concepts of AR 101. Explores the principles of visual organization and communication using color and three-dimensional form.

1527 AR102-1	MW	9:30am - 11:30am	15-week
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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.

1529 AR103-1	MW	12:30pm - 1:45pm	15-week
1528 AR103-2	TTH	11:00am - 12:15pm	15-week

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

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.

1530 AR104-1	TTH	12:30pm - 1:45pm	15-week
1942 AR104-ONL2	📱	ONLINE	13-week

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

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.

1531 AR105-1	MW	2:00pm - 3:15pm	15-week
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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.

2256 AR106-1	MW	8:00am - 10:00am	15-week
1532 AR106-2	MW	9:30am - 11:30am	15-week
1533 AR106-3	TTH	10:00am - 12:00pm	15-week
1535 AR106-4	W	12:30pm - 4:30pm	15-week
1534 AR106-5	TTH	12:30pm - 3:30pm	13-week
2175 AR106-6	F	9:00am - 1:00pm	15-week
1536 AR106-7	M	5:30pm - 9:30pm	15-week

Note: Students must furnish own supplies.

AR107 - Drawing II (3)

Prerequisite: AR 106

A continuation of AR 106 with more complex drawing. Emphasizes arranging and understanding the various composition formats, picture planes and pictorial methods of expression found in drawing. Students must furnish supplies.

1537 AR107-1C	TH	5:30pm - 9:30pm	15-week
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AR108 - Painting I (3)

Prerequisite: AR 101 or AR 106

Introduces the fundamental concepts and techniques of painting in oils or acrylic. Compositional problems based on still-life, interior and exterior space will be explored. Students must furnish supplies.

1538 AR108-1C	T	12:30pm - 4:30pm	15-week
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AR109 - Painting II (3)

Prerequisite: AR 108

A studio course in analysis of solutions to problems involved in oil or acrylic painting. Develops skills in the preparation of the canvas and in the production of representational, abstract and other styles of paintings.

1539 AR109-1C	T	12:30pm - 4:30pm	15-week
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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.

1540 AR113-1	M	12:30pm - 4:30pm	15-week
1541 AR113-2	T	12:30pm - 4:30pm	15-week
1542 AR113-3	W	9:00am - 1:00pm	15-week
1543 AR113-4	TH	9:00am - 1:00pm	15-week
2073 AR113-5	SAT	9:00am - 1:00pm	14-week
1544 AR113-6	M	5:30pm - 9:30pm	15-week
1545 AR113-7	W	5:30pm - 9:30pm	15-week

Note: Students must furnish own supplies.

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.

1968 AR114-1	F	9:00am - 1:00pm	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.

1546 AR204-1C	MW	12:30pm - 2:30pm	15-week
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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.

1547 AR205-1C	MW	12:30pm - 2:30pm	15-week
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AR206 - Introduction to Figure Study I (3)

Prerequisite: AR 106

Offers an intensive study in drawing and painting of the human figure, action, volume, structure and anatomy.

1548 AR206-1C	TH	5:30pm - 9:30pm	15-week
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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.

1549 AR207-1C	F	9:00am - 1:00pm	15-week
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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.

1550 AR210-1C F 9:00am - 1:00pm 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.

1551 ASLS100-1 MW 6:00pm - 7:15pm 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.

1552 ASLS101-1 MW 12:30pm - 1:45pm 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.)

1553 ASLS102-1 MW 9:30am - 10:45am 15-week

1554 ASLS102-2 MW 11:00am - 12:15pm 15-week

1555 ASLS102-3 MW 12:30pm - 1:45pm 15-week

1556 ASLS102-4 MW 2:00pm - 3:15pm 15-week

1557 ASLS102-5 TTH 11:00am - 12:15pm 15-week

1558 ASLS102-6 TTH 12:30pm - 1:45pm 15-week

1559 ASLS102-7 T 6:00pm - 8:35pm 15-week

1560 ASLS102-8 TH 6:00pm - 8:35pm 15-week

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

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.

1561 ASLS103-1 MW 12:30pm - 1:45pm 15-week

1562 ASLS103-2 TTH 12:30pm - 1:45pm 15-week

1563 ASLS103-3 TH 6:00pm - 8:35pm 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.

2110 ASLS106-1 T 6:00pm - 8:35pm 15-week

1564 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.

2059 ASLS202-1 MW 9:30am - 10:45am 15-week

ASLS203 - American Sign Language IV (3)

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.

1730 ASLS203-1 MW 6:00pm - 7:15pm 15-week

ASLS206 - American Deaf Culture (3)

Prerequisite: ASLS 106

Examines the unique culture of the Deaf Community. Some topics covered include attitudes from and towards the Deaf, values (family, social, political), humor, storytelling, athletics, performing arts, jokes, organizations, clubs, educational issues, and the diversity of membership. Reviews how new advances in technology have changed the culture.

1565 ASLS206-HYB1 TH 6:00pm - 7:15pm 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.

2176 ASLS207-1 MW 11:00am - 12:15pm 15-week

ASLS211 - ASL Linguistics (3)

Prerequisites: (EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72) and (ASLS 203 and ITR 104); Corequisite: ITR 110, ITR 112, and ITR 114

Introduces students to the linguistics of American Sign Language (ASL) and English. Provides an introductory study of the phonological, morphological, lexical, syntactic, and discourse. Reviews the similarities and differences between signed languages and spoken languages. Introduces basic theories regarding ASL structure and emphasizes ASL status as a natural language by comparing and contrasting similarities and unique differences between the two.

2177 ASLS211-1 M 6:00pm - 8:35pm 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.

1183 BI55-1 MW 11:00am - 12:15pm 15-week

1184 BI55-2 TTH 8:00am - 9:15am 15-week

1185 BI55-3 MW 6:00pm - 8:35pm 2nd 8-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.

1187 BI100-1LC	MW	8:00am - 9:15am	15-week
1188 BI100-11LB	M	9:30am - 12:00pm	15-week
2144 BI100-2LC	MW	11:00am - 12:15pm	15-week
2145 BI100-21LB	M	12:30pm - 3:00pm	15-week
1819 BI100-3LC	M	12:30pm - 3:05pm	15-week
1820 BI100-31LB	W	12:30pm - 3:00pm	15-week
1189 BI100-4LC	MW	12:30pm - 1:45pm	15-week
1190 BI100-41LB	W	9:30am - 12:00pm	15-week
1191 BI100-5LC	T	8:00am - 10:35am	15-week
1192 BI100-51LB	TH	8:00am - 10:30am	15-week
1741 BI100-6LC	TTH	11:00am - 12:15pm	15-week
1742 BI100-61LB	TH	12:30pm - 3:00pm	15-week
1992 BI100-7LC	TTH	12:30pm - 1:45pm	15-week
1993 BI100-71LB	T	2:00pm - 4:30pm	15-week
1193 BI100-8LC	SAT	9:00am - 11:45am	14-week
1194 BI100-81LB	SAT	12:00pm - 2:45pm	14-week
1195 BI100-9LC	T	6:00pm - 8:35pm	15-week
1196 BI100-91LB	TH	6:00pm - 8:30pm	15-week
1197 BI100-HYBC	🏠	ONLINE	15-week
1198 BI100-HYBB	T	11:00am - 1:30pm	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.

1744 BI101-1LC	TTH	12:30pm - 1:45pm	15-week
1745 BI101-11LB	TH	2:00pm - 4:30pm	15-week
1201 BI101-2LC	TTH	2:00pm - 3:15pm	15-week
1202 BI101-21LB	T	11:00am - 1:30pm	15-week
1746 BI101-22LB	TH	11:00am - 1:30pm	15-week

Note: Students enrolling in BI101-2LC must also register for BI101-21LB or BI101-22LB.

2159 BI101-3LC	W	9:30am - 12:05pm	15-week
1743 BI101-31LB	M	9:30am - 12:00pm	15-week
1994 BI101-4LC	W	12:30pm - 3:05pm	15-week
1995 BI101-41LB	M	12:30pm - 3:00pm	15-week
1203 BI101-5LC	F	8:00am - 10:35am	15-week
1204 BI101-51LB	F	11:00am - 2:00pm	15-week
1205 BI101-6LC	SAT	9:00am - 11:45am	14-week
1206 BI101-61LB	SAT	12:00pm - 2:45pm	14-week
1996 BI101-7LC	M	6:00pm - 8:35pm	15-week
1997 BI101-71LB	W	6:00pm - 8:30pm	15-week
1207 BI101-8LC	T	6:00pm - 8:35pm	15-week
1208 BI101-81LB	TH	6:00pm - 8:30pm	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.

1209 BI102-1LC	TTH	11:00am - 12:15pm	15-week
1210 BI102-11LB	T	2:00pm - 4:30pm	15-week
1747 BI102-12LB	TH	8:00am - 10:30am	15-week

Note: Students enrolling in BI102-1LC must also register for BI102-11LB or BI102-12LB.

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.

1211 BI103-1LC	MW	8:00am - 9:15am	15-week
1212 BI103-11LB	M	9:30am - 12:00pm	15-week
1748 BI103-2LC	MW	12:30pm - 1:45pm	15-week
1749 BI103-21LB	W	9:30am - 12:00pm	15-week
1215 BI103-3LC	TTH	11:00am - 12:15pm	15-week
1216 BI103-31LB	TH	12:30pm - 3:00pm	15-week
1217 BI103-4LC	F	8:00am - 10:35am	15-week
1218 BI103-41LB	F	11:00am - 1:30pm	15-week
1219 BI103-5LC	SAT	9:00am - 11:45am	14-week
1220 BI103-51LB	SAT	12:00pm - 2:45pm	14-week
1221 BI103-6LC	M	6:00pm - 8:35pm	15-week
1222 BI103-61LB	W	6:00pm - 8:30pm	15-week
1998 BI103-HYBC	🏠	ONLINE	15-week
1999 BI103-HYBB	T	9:30am - 12:00pm	15-week
1750 BI103-LK1C	TTH	5:00pm - 7:35pm	1st 8-week
1751 BI103-LK1B	TTH	7:45pm - 9:00pm	1st 8-week

Note: BI103-LK1C and BI103-LK1B - Session dates are January 29 through March 19, 2019. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

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




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.

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.

1223 BI104-1LC	MW	8:00am - 9:15am	15-week
1224 BI104-11LB	M	9:30am - 12:00pm	15-week
2146 BI104-2LC	MW	11:00am - 12:15pm	15-week
2147 BI104-21LB	M	12:30pm - 3:00pm	15-week
1752 BI104-3LC	MW	12:30pm - 1:45pm	15-week
1753 BI104-31LB	W	9:30am - 12:00pm	15-week
2000 BI104-4LC	TTH	9:30am - 10:45am	15-week
2001 BI104-41LB	T	12:30pm - 3:00pm	15-week
1225 BI104-5LC	SAT	9:00am - 11:45am	14-week
1226 BI104-51LB	SAT	12:00pm - 2:45pm	14-week
1227 BI104-6LC	M	6:00pm - 8:35pm	15-week
1228 BI104-61LB	W	6:00pm - 8:30pm	15-week
1754 BI104-HYBC		ONLINE	15-week
1755 BI104-HYBB	TH	12:30pm - 3:00pm	15-week
1229 BI104-LK1C	TTH	5:00pm - 7:35pm	2nd 8-week
1230 BI104-LK1B	TTH	7:45pm - 9:00pm	2nd 8-week

Note: BI104-LK1C and BI104-LK1B — Session dates are March 21 through May 16, 2019. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

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

BI104H - Anatomy and Physiology (4)

Gen Ed Science

Prerequisite: BI103

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.

1947 BI104H-1LC	TTH	12:30pm - 1:45pm	15-week
1948 BI104H-11LB	TH	9:30am - 12:00pm	15-week

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

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.

1231 BI107-1LC	TTH	2:00pm - 3:15pm	15-week
1232 BI107-11LB	TH	9:30am - 12:00pm	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.

1233 BI117-1	MW	9:30am - 12:05pm	2nd 8-week
1234 BI117-2	TH	6:00pm - 8:35pm	15-week
2002 BI117-ONL1		ONLINE	13-week

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, important groups of pathogenic microorganisms, antimicrobial agents, immunology and introductory biochemistry.

2003 BI120-1LC	MW	8:00am - 9:15am	15-week
2004 BI120-11LB	MW	9:30am - 10:45am	15-week
1235 BI120-2LC	MW	9:30am - 10:45am	15-week
1236 BI120-21LB	MW	11:00am - 12:15pm	15-week
1916 BI120-3LC	MW	2:00pm - 3:15pm	15-week
1237 BI120-31LB	MW	12:30pm - 1:45pm	15-week
1238 BI120-4LC	TTH	9:30am - 10:45am	15-week
1239 BI120-41LB	TTH	11:00am - 12:15pm	15-week
1915 BI120-5LC	TTH	12:30pm - 1:45pm	15-week
1240 BI120-51LB	TTH	2:00pm - 3:15pm	15-week
1241 BI120-6LC	MW	6:20pm - 7:35pm	15-week
1242 BI120-61LB	MW	7:45pm - 9:00pm	15-week
1243 BI120-7LC	TTH	6:20pm - 7:35pm	15-week
1244 BI120-71LB	TTH	5:00pm - 6:15pm	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.

2005 BI130-1LC	T	11:00am - 1:35pm	15-week
2006 BI130-11LB	TH	11:00am - 1:30pm	15-week
1245 BI130-HYBC		ONLINE	15-week
1246 BI130-HYBB	W	12:30pm - 3:00pm	15-week

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


1756 BI130-ONL1		ONLINE	13-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.

2007 BI140-ONL1		ONLINE	15-week
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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.

1247 BI201-1LC	TTH	11:00am - 12:15pm	15-week
1248 BI201-11LB	T	12:30pm - 3:00pm	15-week

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



Note: Lab will meet the first day. Dress to go into the field. Several mandatory all day field trips on Friday and Saturday and/or overnight field trips.

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.

2008 BI202-1	MW	2:00pm - 3:15pm	15-week
2148 BI202-ONL1		ONLINE	15-week
2233 BI202-ONL2		ONLINE	13-week

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.

1835 BI220-HYBC		ONLINE	15-week
1836 BI220-HYBB	T	6:00pm - 8:30pm	15-week

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

BI240 - Genetics (4)

Prerequisites: BI 101 and CH 101

Includes history of genetics, the chemical basis of heredity, the chromosomes and genes, probability, variation in gene structure, mutation, extrachromosomal systems and genes flow in populations.

1250 BI240-1LC	M	12:30pm - 3:05pm	15-week
1251 BI240-11LB	W	12:30pm - 3:00pm	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.

1041 BLD101-1	M	6:00pm - 8:30pm	15-week
1905 BLD101-2	T	6:00pm - 8:30pm	15-week

Note: Class held at FCC's Monroe Center

BLD109 - Fundamentals of HVACR (4)

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.

1042 BLD109-HYB1	TTH	6:00pm - 9:00pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD110 - Controls for HVACR (3)

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.

1043 BLD110-HYB1	TTH	6:00pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD113 - HVAC Installation & Troubleshooting (3)

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.

1044 BLD113-HYB1	MW	6:00pm - 8:30pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD114 - Fossil Fuels & Hydronic Heating (3)

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.

1045 BLD114-HYB1	MW	6:00pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

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.

1814 BLD120-1	MW	5:00pm - 6:00pm	15-week
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Note: Class held at FCC's Monroe Center

BLD121 - Introduction to Welding (4)

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.

1046 BLD121-1	TTH	6:00pm - 9:00pm	15-week
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Note: Class held at FCC's Monroe Center, Building Trades Welding fee: \$100

BLD122 - Advanced Welding: SMAW (4)

Prerequisite: BLD 121; Prerequisite or Corequisite: BLD 120

Focuses on Shielded Metal Arc Welding (SMAW). Students will perform a SMAW welding performance qualification test on limited thickness test plates in the 2G and 3G positions on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code; this leads to an in-house certification.

1818 BLD122-1	MW	6:00pm - 9:00pm	15-week
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Note: Class held at FCC's Monroe Center, Building Trades Welding fee: \$100

BLD127 - Advanced Welding: GMAW (3)

Focuses on Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and oxyfuel cutting on carbon steel. Students will develop skills to weld groove welds in multiple positions. Students will perform GMAW and FCAW welder performance qualification tests on limited thickness test plates on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code.

1811 BLD127-1	MW	6:00pm - 8:30pm	15-week
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Note: Class held at FCC's Monroe Center, Building Trades Welding fee: \$100

BLD141 - Fundamentals of Structural Wiring (4)

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.

1716 BLD141-HYB1 MW 6:00pm - 9:00pm 1st 7-week

Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD142 - Residential Electric (3)

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.

1821 BLD142-HYB1 MW 6:00pm - 8:30pm 2nd 7-week

Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD145 - Commercial Electric (3)

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.

1047 BLD145-HYB1 TTH 6:00pm - 8:30pm 1st 7-week

Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD146 - Specialized Systems (3)

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.

1048 BLD146-HYB1 TTH 6:00pm - 8:30pm 2nd 7-week

Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BPM: Bioprocessing Technology

BPM110 - Bioprocessing Measurements (4)

Prerequisite or Corequisite: BPM 103

Examines methods of measurement and monitoring used in bioprocessing. Emphasizes pH, temperature, pressure and flow rates, as well as spectrophotometry, and biochemical and chemical analytical methods.

1848 BPM110-HYBC ONLINE 2nd 7-week

1849 BPM110-HYBB MW 4:30pm - 7:00pm 2nd 7-week

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

BPM214 - Techniques in Bioproduction (4)

Prerequisites: BI 120 or BI 203, BPM 102, BPM 110

Introduces practices used in the industry to manufacture a biological material or product, as well as problem-solving strategies. Emphasizes and demonstrates aseptic technique, upstream and downstream processes, and quality control through hands-on laboratory activities.

1850 BPM214-1LC T 8:00am - 10:35am 15-week

1851 BPM214-11LB TH 8:00am - 10:30am 15-week

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

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.

1083 BU103-1 MW 9:30am - 10:45am 15-week

1084 BU103-2 MW 12:30pm - 1:45pm 15-week

1086 BU103-3 TTH 2:00pm - 3:15pm 15-week

2205 BU103-HYB1 M 9:30am - 10:45am 15-week

2056 BU103-HYB2 M 12:30pm - 1:45pm 15-week

2206 BU103-HYB3 TH 9:30am - 10:45am 15-week

1085 BU103-HYB4 TH 12:30pm - 1:45pm 15-week

1087 BU103-HYB5 F 9:30am - 12:30pm 2nd 7-week

1986 BU103-HYB6 T 6:00pm - 9:00pm 2nd 7-week

2055 BU103-ONL1 ONLINE 15-week

1088 BU103-ONL2 ONLINE 1st 7-week

2260 BU103-ONL3 ONLINE 2nd 10-week

1722 BU103-ONL4 ONLINE 2nd 7-week

2259 BU103-ONL5 ONLINE 2nd 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.

1089 BU109-HYB1 TH 11:00am - 12:15pm 15-week

1729 BU109-ONL1 ONLINE 15-week

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



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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.

Develops a well-rounded approach to managing personal finances. Includes financial planning, budgeting, financing consumer purchases, risk control, investments and retirement planning.

1090 BU110-ONL1  **ONLINE** **15-week** 

\$ 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.

1091 BU211-HYB1 **T** **11:00am - 12:15pm** **15-week** 

1092 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.

2042 BU221-ONL1  **ONLINE** **2nd 10-week** 

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

BU223 - Human Resource Management (3)

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.

2232 BU223-ONL1  **ONLINE** **15-week** 

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

BU225 - Marketing (3)

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.

1093 BU225-1 **MW** **9:30am - 10:45am** **15-week** 

1094 BU225-HYB1 **T** **11:00am - 12:15pm** **15-week** 

1095 BU225-ONL1  **ONLINE** **2nd 10-week** 

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

BU227 - Principles of Management (3)

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.

1096 BU227-HYB1 **W** **11:00am - 12:15pm** **15-week** 

1097 BU227-ONL1  **ONLINE** **15-week** 

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

BU273 - Business Communications (3)

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.

1098 BU273-ONL1  **ONLINE** **2nd 10-week** 

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

BU274 - Customer Relations (3)

Examines the role of customer relations in business and emphasizes the theory and practice of developing, fostering and managing relationships between the company and the customer. The course will focus on those practices that lead to customer loyalty and retention. Value equation applications and a systems approach to service excellence are introduced in the course. The course will also address building excellent customer relations into the mission of the company and committing to customer service as competitive advantage.

1099 BU274-ONL1  **ONLINE** **2nd 7-week** 

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

BU275 - Fundamentals of Leadership (3)

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

Emphasizes the theory and real-time practice of leadership skills used in the workplace. Classroom activities and assignments will focus on strategies for navigating change, leading with priorities in mind, managing conflict, giving and receiving constructive feedback, visioning, preparing mission statements, and setting goals.

1100 BU275-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.


1101 BU281-ONL1  **ONLINE** **15-week** 

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

BU290 - Project Management (3)

Prerequisite: CIS 101

Introduces concepts and practices of project management and their universal application to all types of organizations. Students will analyze the roles of the project manager and project team and utilize techniques for effective project planning, management, control, closeout, and evaluation.

1866 BU290-HYB1 **TH** **5:00pm - 8:00pm** **2nd 7-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).

1939 BU/MA205-1 **MW** **2:00pm - 3:15pm** **15-week**

1001 BU/MA205-2 **TTH** **9:30am - 10:45am** **15-week**

2103 BU/MA205-HYB1 **M** **12:30pm - 1:45pm** **15-week**

1991 BU/MA205-HYB2 **M** **6:00pm - 8:35pm** **1st 8-week**

1002 BU/MA205-ONL1  **ONLINE** **15-week**

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.

1102 CAD101-HYB1 **TH** **5:00pm - 8:00pm** **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).

1103 CAD102-HYB1 **M** **5:00pm - 8:00pm** **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.

1104 CAD130-HYB1 TH 5:00pm - 8:00pm 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.

1989 CAD200-HYB1 W 5:00pm - 8:00pm 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.

2202 CAD201-HYB1 W 5:00pm - 8:45pm 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.

1990 CAD202-HYB1 W 5:00pm - 8:45pm 2nd 7-week

CAD205 - Civil Drafting I with CAD (3)

Prerequisite: CAD 102

Introduces fundamental concepts of civil drafting and design of civil engineering projects. Students will explore career fields in civil engineering and design including survey, land development, environmental, highway, and utilities. Students will use CAD software to create and revise civil drawings including site surveys, plot plans, record plats, utility drawings, and plan profiles. Students will develop an understanding of the relationship of GIS applications to civil engineering.

2203 CAD205-1 M 5:00pm - 7:35pm 15-week



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CH: Chemistry

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.

1252 CH101-1LC	MW	9:30am - 10:45am	15-week
1253 CH101-11LB	M	11:00am - 1:30pm	15-week
1757 CH101-2LC	MW	12:30pm - 1:45pm	15-week
1758 CH101-21LB	M	2:00pm - 4:30pm	15-week
1254 CH101-3LC	MW	12:30pm - 1:45pm	15-week
1255 CH101-31LB	W	2:00pm - 4:30pm	15-week
1908 CH101-4LC	MW	2:00pm - 3:15pm	15-week
1759 CH101-41LB	W	11:00am - 1:30pm	15-week
1907 CH101-5LC	TTH	9:30am - 10:45am	15-week
1259 CH101-51LB	T	11:00am - 1:30pm	15-week
1258 CH101-6LC	TTH	12:30pm - 1:45pm	15-week
1260 CH101-61LB	TH	2:00pm - 4:30pm	15-week
1256 CH101-7LC	TTH	2:00pm - 3:15pm	15-week
1257 CH101-71LB	TH	11:00am - 1:30pm	15-week
1261 CH101-8LC	F	8:00am - 10:35am	15-week
1262 CH101-81LB	F	11:00am - 1:30pm	15-week
1263 CH101-9LC	SAT	9:00am - 11:45am	14-week
1264 CH101-91LB	SAT	12:00pm - 2:45pm	14-week
1265 CH101-10LC	T	6:00pm - 8:35pm	15-week
1266 CH101-101B	TH	6:00pm - 8:30pm	15-week
1267 CH101-11LC	W	6:00pm - 8:35pm	15-week
1268 CH101-111B	M	6:00pm - 8:30pm	15-week
Note: Students must register for corresponding lecture (LC) and lab (LB).			
2149 CH101-ONL1		ONLINE	15-week
1269 CH101-ONL2		ONLINE	13-week

Note: CH101 in the online format is very intense. Completion of high school chemistry and a strong science background is recommended. Student should be prepared to work hard to do well in this class.

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.

2009 CH102-1LC	M	9:30am - 12:05pm	15-week
2010 CH102-11LB	W	9:30am - 12:00pm	15-week
1853 CH102-2LC	TTH	9:30am - 10:45am	15-week
1854 CH102-21LB	T	12:30pm - 3:00pm	15-week
1272 CH102-3LC	F	8:00am - 10:35am	15-week
1273 CH102-31LB	F	11:00am - 1:35pm	15-week
1270 CH102-4LC	W	6:00pm - 8:30pm	15-week
1271 CH102-41LB	M	6:00pm - 8:30pm	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.

1274 CH201-1LC	MW	2:00pm - 3:15pm	15-week
1275 CH201-11LB	M	11:00am - 1:55pm	15-week
1760 CH201-2LC	M	6:00pm - 8:35pm	15-week
1761 CH201-21LB	W	6:00pm - 8:55pm	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.

1276 CH202-1LC	TTH	11:00am - 12:15pm	15-week
1277 CH202-11LB	TH	12:30pm - 3:25pm	15-week

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

Chemistry Notes:

CH202 - Organic Chemistry offered spring and summer semesters 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.

1723 CIS101-1	MW	9:30am - 10:45am	15-week	\$
1106 CIS101-2	MW	11:00am - 12:15pm	15-week	\$
1868 CIS101-3	MW	2:00pm - 3:15pm	15-week	\$
1107 CIS101-4	TTH	8:00am - 9:15am	15-week	\$
1108 CIS101-5	TTH	9:30am - 10:45am	15-week	\$
1109 CIS101-6	TTH	11:00am - 12:15pm	15-week	\$
1869 CIS101-7	TTH	12:30pm - 1:45pm	15-week	\$
1110 CIS101-8	TTH	2:00pm - 3:15pm	15-week	\$
1105 CIS101-HYB1	M	12:30pm - 1:45pm	2nd 10-week	\$
2204 CIS101-HYB2	F	10:00am - 11:55am	2nd 8-week	\$
1111 CIS101-HYB3	M	5:15pm - 7:00pm	13-week	\$
1112 CIS101-HYB4	W	6:00pm - 8:00pm	2nd 8-week	\$
1113 CIS101-ONL1	📖	ONLINE	15-week	\$
2094 CIS101-ONL2	📖	ONLINE	1st 7-week	\$
2024 CIS101-ONL3	📖	ONLINE	13-week	\$
1114 CIS101-ONL4	📖	ONLINE	2nd 10-week	\$
1115 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)

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.

1116 CIS106-1	MW	9:30am - 10:45am	15-week	\$
1117 CIS106-2	MW	11:00am - 12:15pm	15-week	\$
1118 CIS106-3	MW	12:30pm - 1:45pm	15-week	\$
1119 CIS106-4	MW	2:00pm - 3:15pm	15-week	\$
1871 CIS106-5	TTH	9:30am - 10:45am	15-week	\$
1870 CIS106-6	TTH	11:00am - 12:15pm	15-week	\$
1120 CIS106-7	TTH	12:30pm - 1:45pm	15-week	\$
2245 CIS106-HYB1	SAT	9:30am - 11:55am	2nd 10-week	\$
1122 CIS106-HYB2	T	5:15pm - 7:00pm	13-week	\$
1121 CIS106-HYB3	TH	5:15pm - 7:00pm	13-week	\$
1872 CIS106-ONL1	📖	ONLINE	13-week	\$
2193 CIS106-ONL2	📖	ONLINE	2nd 10-week	\$

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

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.

2025 CIS107-HYB1	T	2:30pm - 3:45pm	2nd 8-week
2165 CIS107-HYB2	W	5:15pm - 6:45pm	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.

1921 CIS111E-HYB1	M	5:15pm - 6:45pm	2nd 8-week	\$
1123 CIS111E-ONL1	📖	ONLINE	13-week	\$

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

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.

2166 CIS111L-HYB1	TH	12:00pm - 1:45pm	13-week
1124 CIS111L-HYB2	W	7:15pm - 8:30pm	15-week
1873 CIS111L-ONL1	📖	ONLINE	2nd 10-week



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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

1125 CIS111M-HY1L M 2:30pm - 3:45pm 15-week


Note: Students must register for both CIS111M-HY1L and CIS212-HY1L.

1874 CIS111M-HY2L W 9:25am - 10:50am 1st 10-week

Note: Students must register for both CIS111M-HY2L and CIS212-HY2L.

1126 CIS111M-HY3L T 5:00pm - 6:15pm 15-week

Note: Students must register for both CIS111M-HY3L and CIS212-HY3L.

1127 CIS111M-ONLK  ONLINE 13-week

Note: Students must register for both CIS111M-ONLK and 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.

1128 CIS111R-ONL1  ONLINE 2nd 8-week

CIS111S - Social Media Tools (3)

Prerequisite or Co-requisite: CIS 101, CIS 106, CIS 107, CIS 111M

Explores social media tools, social media marketing tools, and social media monitoring tools. Covers both well-established and emerging social media tools as well as their applications for measuring, leveraging, and optimizing digital media content. Students learn to implement social campaigns or marketing initiatives using social media, manage social media, and monitor social media channels.

2279 CIS111S-HYB1 T 5:00pm-6:30pm 2nd 8-week

CIS111T - Digital Marketing (3)

Prerequisite or Co-requisite: CIS 101, CIS 106, CIS 107, or CIS 111M

Introduces the digital marketing communications landscape, channels, and technology. Topics include online advertising campaigns utilizing the web technologies such as Email marketing, YouTube marketing, and Facebook marketing. Students learn to create contextual marketing plans and establish digital analytics related to digital marketing and advertising.

2280 CIS111T-ONL1  ONLINE 2nd 8-week

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.

2167 CIS117-ONL1  ONLINE 2nd 7-week

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.

2170 CIS118-ONL1  ONLINE 2nd 8-week

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.

2272 CIS119-HYB1 T 7:15pm - 8:45pm 2nd 10-week

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.

1129 CIS140-HYB1 TH 7:15pm - 9:00pm 2nd 10-week

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.

1130 CIS170-HYB1 W 9:30am - 11:45am 2nd 8-week

1131 CIS170-HYB2 T 6:45pm - 9:00pm 2nd 8-week

1875 CIS170-ONL1  ONLINE 2nd 8-week

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.

1772 CIS175-HYB1 T 5:15pm - 6:45pm 1st 5-week

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.

1773 CIS176-HYB1 T 5:15pm - 6:45pm 2nd 10-week

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.

1922 CIS177-HYB1 T 2:00pm - 4:30pm 1st 7-week

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.

1923 CIS178-HYB1 T 2:00pm - 4:30pm 2nd 8-week

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

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.

1132 CIS179-HYB1 W 12:30pm - 1:45pm 1st 10-week

1133 CIS179-HYB2 M 5:15pm - 6:45pm 13-week

1807 CIS179-ONL1  ONLINE 1st 7-week

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

2171 CIS179-ONL2  ONLINE 2nd 8-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.

1134 CIS180-HYB1	W	9:30am - 11:45am	1st 7-week
1135 CIS180-HYB2	T	6:45pm - 9:00pm	1st 7-week
1724 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.

1136 CIS190-HYB1	M	5:00pm - 7:30pm	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.

1137 CIS191-HYB1	M	5:00pm - 7:30pm	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.

1138 CIS192-ONL1	📖	ONLINE	1st 7-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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.

1139 CIS193-ONL1	📖	ONLINE	2nd 7-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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.

2048 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.

1140 CIS201-HYB1	TH	2:00pm - 3:45pm	15-week
1141 CIS201-HYB2	W	5:15pm - 7:00pm	15-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).

1142 CIS202-HYB1	TH	5:15pm - 7:00pm	15-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.

1143 CIS203-HYB1	W	2:00pm - 3:15pm	13-week	\$
1945 CIS203-HYB2	W	5:30pm - 6:45pm	13-week	\$
1144 CIS203-ONL1	📖	ONLINE	1st 10-week	\$

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

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.

1145 CIS204-ONL1	📖	ONLINE	2nd 10-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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.

1725 CIS208-HYB1	M	5:15pm - 8:15pm	2nd 10-week	\$
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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.

1146 CIS212-HY1L	M	3:45pm - 5:00pm	15-week
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Note: Students must register for both CIS212-HY1L and CIS111M-HY1L.

1886 CIS212-HY2L	W	10:50am - 12:15pm	1st 10-week
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Note: Students must register for both CIS212-HY2L and CIS111M-HY2L.

1147 CIS212-HY3L	T	6:15pm - 7:30pm	15-week
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Note: Students must register for both CIS212-HY3L and CIS111M-HY3L.

1148 CIS212-ONLK	📖	ONLINE	13-week
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Note: Students must register for both CIS212-ONLK and 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.

1149 CIS217-HYB1	TH	5:15pm - 6:45pm	15-week	\$
1150 CIS217-ONL1	📖	ONLINE	2nd 10-week	\$

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

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.

1151	CIS218-HYB1	TH	7:00pm - 8:30pm	13-week
1726	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.

1152	CIS219-HYB1	W	5:15pm - 7:00pm	15-week	💰
1887	CIS219-ONL1	📖	ONLINE	2nd 10-week	💰

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

CIS222 - Computer Organization (4)

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.

1153	CIS222-HYB1	TH	7:15pm - 8:30pm	13-week
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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.

1154	CIS223-HYB1	TH	7:15pm - 8:30pm	15-week	💰
1727	CIS223-ONL1	📖	ONLINE	2nd 10-week	💰

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

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

Prerequisite: CIS 106

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

2046	CIS225C-HYB1	M	7:00pm - 8:45pm	2nd 10-week
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CIS226 - Game Scripting (3)

Prerequisite or Corequisite: CIS 106

Introduces the development of computer games using a scripting language. A current scripting language will be covered and used to develop game programs. Students learn to design and develop cross-platform computer games.

1155	CIS226-HYB1	W	7:15pm - 8:30pm	13-week
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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.

2187	CIS228-HYB1	T	5:15pm - 7:00pm	13-week
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CIS230 - Database Management Systems (3)

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.

2188	CIS230-HYB1	TH	5:15pm - 7:00pm	1st 7-week	💰
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💰 *No/Low Cost Course Section: The textbook costs for this course are under \$40.*

CIS257 - Data Visualization (3)

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.

2189	CIS257-HYB1	TH	5:15pm - 7:00pm	2nd 8-week
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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.

1308	CJ101-1	MW	11:00am - 12:15pm	15-week
1944	CJ101-2	TTH	12:30pm - 1:45pm	15-week
1309	CJ101-ONL1	📖	ONLINE	13-week

CJ108 - Serial Killers: Psychosocial Perspectives (3)

Presents an overview of serial killers in the United States and other countries. Introduces the background of serial killers as well as causes and failures in their lives that led up to the killings. Presents case studies of serial killers as well as the investigation, apprehension, trial, and sentencing of these offenders.

1310	CJ108-1	T	6:00pm - 8:35pm	15-week
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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.

1312	CJ110-1	TTH	9:30am - 10:45am	15-week
1311	CJ110-2	M	6:00pm - 8:35pm	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.

1783	CJ204-1	MW	3:30pm - 4:45pm	15-week
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CJ214 - The Correctional Process (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 CJ 101

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

1313	CJ214-1	MW	12:30pm - 1:45pm	15-week
2038	CJ214-ONL1	📖	ONLINE	13-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.

2074	CJ220-1	TTH	3:30pm - 4:45pm	15-week
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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.

1566 CMM101-1	MW	2:00pm - 3:15pm	15-week
1969 CMM101-2	TTH	9:30am - 10:45am	15-week
2070 CMM101-ONL1		ONLINE	13-week
2251 CMM101-ONL2		ONLINE	2nd 8-week

CMM103 - Introduction to Film (3)

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.

1970 CMM103-1	MW	9:30am - 10:45am	15-week
1567 CMM103-2	M	1:00pm - 3:30pm	15-week
2087 CMM103-3	TTH	2:00pm - 3:15pm	15-week
1568 CMM103-4	T	6:00pm - 8:35pm	15-week
1569 CMM103-ONL1		ONLINE	1st 8-week
1806 CMM103-ONL2		ONLINE	2nd 8-week

CMM103H - Introduction to Film (3)

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.

1826 CMM103H-LK1	TTH	9:30am - 10:45am	15-week
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Note: Students must register for both CMM103H-LK1 and EN102H-LK1.

CMM105 - Basic Darkroom to Digital Photography (3)

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 and white and color printing techniques are also studied. For the beginning photographer.

1570 CMM105-1	TTH	9:30am - 12:00pm	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

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.

1571 CMM111-1	MW	9:30am - 10:45am	15-week
1572 CMM111-2	TTH	9:30am - 10:45am	15-week
1573 CMM111-3	TTH	2:00pm - 3:15pm	15-week
2072 CMM111-4	MW	6:00pm - 7:30pm	13-week

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.

1786 CMM112-1	MW	11:00am - 1:50pm	1st 8-week
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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.

1933 CMM114-1	TH	11:00am - 1:30pm	15-week
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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.

1574 CMM115-1	T	11:00am - 1:30pm	3rd 5-week
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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.

2253 CMM131-1LC	W	2:00pm - 4:30pm	15-week
2254 CMM131-1LB	M	2:00pm - 4:30pm	15-week
1731 CMM131-2LC	T	6:00pm - 8:30pm	15-week
1732 CMM131-2LB	TH	6:00pm - 8:30pm	15-week

Note: Students must register for corresponding lecture (LC) and lab (LB)., Students must furnish own supplies.

Note: CMM131-2LC & CMM131-2LB meet at Hood College, Rooms Tatem 228 and Tatem 301

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.

1971 CMM132-1	MW	3:30pm - 4:45pm	15-week
1575 CMM132-2	TTH	3:30pm - 4:45pm	15-week
1576 CMM132-3	F	10:00am - 12:30pm	15-week

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.

1577 CMM152-1C	MW	9:00am - 10:40am	15-week
1578 CMM152-2C	MW	1:00pm - 2:40pm	15-week
1579 CMM152-3C	TTH	9:00am - 10:40am	15-week

CMM212 - Communications Graphics III (3)

Prerequisite: CMM 112

Level three graphic design. Offers an advanced level approach to graphic design. Expands upon Communications Graphics II. Emphasizes the development of a well-rounded graphic design portfolio, containing professional quality graphic design, photography and illustration. An intensive study using current graphics software to generate print graphics such as corporate identity, advertising, collateral and package designs. Primary software: Adobe InDesign, Adobe Photoshop, and Adobe Illustrator.

1787 CMM212-1	MW	11:00am - 1:50pm	2nd 7-week
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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.

1580 CMM252-1C	MW	9:00am - 10:40am	15-week
1581 CMM252-2C	MW	1:00pm - 2:40pm	15-week
1582 CMM252-3C	TTH	9:00am - 10:40am	15-week

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.

1583 CMM254-1C TTH 1:00pm - 2:40pm 15-week

CMM256 - Television Studio Directing and Operations (4)

Prerequisite: CMM 152

Develops managerial and technical skills of directing television productions in a multi-camera studio. Script formats, scene blocking, managing cast and crew and technical aspects required to create successful programming are emphasized in a series of hands-on production sessions.

2054 CMM256-1 TTH 3:00pm - 4:40pm 15-week

CMM261 - Advanced Postproduction & Motion Graphics (4)

Prerequisite: CMM 154

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.

1584 CMM261-1C TTH 1:00pm - 2:40pm 15-week

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.

1972 CMSP101-1 MW 12:30pm - 1:45pm 15-week
1785 CMSP101-2 MW 2:00pm - 3:15pm 15-week
1585 CMSP101-3 TTH 9:30am - 10:45am 15-week
1931 CMSP101-4 M 6:00pm - 8:30pm 15-week

CMSP103 - Speech Fundamentals (3)

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.

1586 CMSP103-1 MW 8:00am - 9:15am 15-week
1587 CMSP103-2 MW 9:30am - 10:45am 15-week
1973 CMSP103-3 MW 11:00am - 12:15pm 15-week
1588 CMSP103-4 MW 12:30pm - 1:45pm 15-week
1589 CMSP103-5 TTH 9:30am - 10:45am 15-week
1592 CMSP103-6 TTH 12:30pm - 1:45pm 15-week
1593 CMSP103-7 TTH 2:00pm - 3:15pm 15-week
1594 CMSP103-8 W 6:00pm - 8:35pm 15-week
1590 CMSP103-WE1 MW 9:30am - 10:45am 13-week

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

1591 CMSP103-WE2 TTH 11:00am - 12:15pm 13-week

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

1595 CMSP103-ONL1 ONLINE 15-week

Note: Mandatory on-campus class meetings: Wednesday, 2/7, 3/7, 4/4, and 5/2, 6-9pm

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

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.

1974 CMSP105-1 MW 8:00am - 9:15am 15-week
1596 CMSP105-2 MW 9:30am - 10:45am 15-week
1597 CMSP105-3 MW 11:00am - 12:15pm 15-week
1975 CMSP105-4 MW 11:00am - 12:15pm 15-week
1598 CMSP105-5 MW 12:30pm - 1:45pm 15-week
1599 CMSP105-6 MW 2:00pm - 3:15pm 15-week
1600 CMSP105-7 TTH 9:30am - 10:45am 15-week
1601 CMSP105-8 TTH 11:00am - 12:15pm 15-week
2183 CMSP105-9 TTH 11:00am - 12:15pm 15-week
1604 CMSP105-10 TTH 12:30pm - 2:55pm 2nd 8-week
1603 CMSP105-11 TTH 2:00pm - 3:15pm 15-week
1605 CMSP105-12 F 11:00am - 1:35pm 15-week
1606 CMSP105-13 M 6:00pm - 8:35pm 15-week
1715 CMSP105-14 TH 6:00pm - 8:35pm 15-week
2090 CMSP105-HYB1 W 7:30pm - 8:50pm 2nd 7-week
1602 CMSP105-WE1 TTH 12:30pm - 1:45pm 13-week

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

1607 CMSP105-WE2 T 6:00pm - 8:35pm 13-week

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

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.

1608 CMSP107-1 MW 9:30am - 10:45am 15-week
2235 CMSP107-2 MW 11:00am - 1:20pm 2nd 8-week
2071 CMSP107-HYB1 T 6:00pm - 8:35pm 1st 8-week
1609 CMSP107-ONL1 ONLINE 15-week

Note: Mandatory on-campus session: Saturday, 4/6, 8:30am-12:30pm or; inclement weather makeup day: Saturday, 4/13, 8:30am-12:30pm



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.

CMSP201 - Foundations of Communication Theory (3)

Prerequisite: CMSP 101

Provides students with an understanding of the principle theories related to the field of communication. Specifically, it introduces students to the study of communication theory and provides them with the conceptual and theoretical foundation needed to succeed as a communication scholar. Concepts and theories learned in this course will be studied in greater detail in the upper level courses required of the major.

1610 CMSP201-1 TTH 11:00am - 12:15pm 15-week

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.

1156 CON101-ONL1 ONLINE 15-week

CON132 - Materials & Methods of Construction (3)

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.

2031 CON132-1 TH 5:00pm - 7:35pm 15-week

CON140 - Architectural Blueprint Reading (3)

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.

1157 CON140-1 M 5:00pm - 7:35pm 15-week

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.

2032 CON203-1 TH 5:00pm - 7:35pm 15-week

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.

2033 CON204-1 T 5:00pm - 7:35pm 15-week

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.

2034 CON206-1 W 5:00pm - 7:35pm 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.

1158	EC201-1	MW	8:00am - 9:15am	15-week	💰
1867	EC201-2	MW	11:00am - 12:15pm	15-week	💰
1159	EC201-3	TTH	9:30am - 10:45am	15-week	💰
1160	EC201-HYB1	T	12:30pm - 1:45pm	15-week	💰
1162	EC201-HYB2	M	5:00pm - 8:00pm	2nd 7-week	💰
1161	EC201-HYB3	W	5:00pm - 8:00pm	1st 7-week	💰
1163	EC201-ONL1	📖	ONLINE	15-week	💰
1728	EC201-ONL2	📖	ONLINE	1st 7-week	💰

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

EC202 - Principles of Economics (3)

Prerequisite: EC 201

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

2095	EC202-1	TTH	8:00am - 9:15am	15-week	💰
1166	EC202-2C	TTH	2:00pm - 3:15pm	15-week	💰
1164	EC202-HYB1	W	2:00pm - 3:15pm	15-week	💰
1165	EC202-HYB2	TH	12:30pm - 1:45pm	15-week	💰
1168	EC202-HYB3	SAT	9:00am - 11:35am	2nd 7-week Saturday	💰
1167	EC202-HYB4	W	5:00pm - 8:00pm	2nd 7-week	💰
1169	EC202-ONL1	📖	ONLINE	2nd 10-week	💰
2200	EC202-ONL2	📖	ONLINE	2nd 7-week	💰

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

EC202H - Principles of Economics (3)

Prerequisite: EC 201

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

2261 EC202H-2C TTH 2:00pm - 3:15pm 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.

1314	ECD101-1	TTH	9:30am - 10:45am	15-week	💰
1315	ECD101-ONL1	📖	ONLINE	15-week	💰

ECD104 - Activities I for Children (3)

Prerequisite: EN 70 or EN 75 or 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.

1815	ECD104-1	MW	12:30pm - 1:45pm	15-week	💰
1316	ECD104-HYB1	M	6:00pm - 8:30pm	1st 8-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).

1317 ECD210-1	T	9:00am - 1:00pm	15-week
1739 ECD210-2	TH	9:00am - 1:00pm	15-week

ECD212 - Administration of Child Development Centers (3)

Prerequisites: ED 100 and (ECD 104 or ECD 108)

Designed to provide students with management skills necessary to operate an early childhood center, family child care or before/after school program that serves children from infancy through age twelve. Topics include program policies and procedures, government regulations, finance and budget, facility operation, personnel management, health and safety, accreditation systems, and program evaluation and improvement. This course meets the state requirements of Office of Child Care licensing and credentialing for School Age and Preschool Director.

1318 ECD212-ONL1		ONLINE	2nd 7-week
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ECD213 - Understanding and Guiding the Young Child's Behavior (3)

Prerequisite: ED 100

Designed for adults who are responsible for the care and development of young children from birth to eight years of age, primarily in an early childhood setting. This course will focus on developmentally appropriate child guidance philosophies, methodologies of discipline, and guidelines for the responsible adult.

2158 ECD213-ONL1		ONLINE	1st 7-week
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ECD230 - Language & Literacy Development in Early Childhood (3)

Prerequisites: ED 100, ECD 104

Designed for adults who are responsible for the care, development and teaching of young children from birth to eight years in primarily an early childhood setting. This course is a study of the development of oral language by the young child, the relationship between language development and emerging literacy, and the structuring of the learning environment for the child birth to eight years. A variety of quality early childhood literature will be reviewed along with methods for using children's literature to enhance language development.

1738 ECD230-ONL1		ONLINE	1st 8-week
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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.

1320 ED100-1	MW	11:00am - 12:15pm	15-week
1817 ED100-ONL1		ONLINE	15-week

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.

1321 ED102-1	MW	9:30am - 10:45am	15-week
1322 ED102-2	TTH	11:00am - 12:15pm	15-week
1323 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.

1324 ED202-1	MW	11:00am - 12:15pm	15-week
1325 ED202-ONL1		ONLINE	15-week

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.

2057 ED203-1	MW	12:30pm - 1:45pm	15-week
1326 ED203-2	TTH	9:30am - 10:45am	15-week
1327 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.

1328 ED214-1	MW	12:30pm - 1:45pm	15-week
1329 ED214-ONL1		ONLINE	15-week

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.

1330 ED/PS208-1	MW	8:00am - 9:15am	15-week
1331 ED/PS208-2	MW	9:30am - 10:45am	15-week
1332 ED/PS208-3	MW	11:00am - 12:15pm	15-week
1966 ED/PS208-4	MW	2:00pm - 3:15pm	15-week
1740 ED/PS208-5	TTH	9:30am - 10:45am	15-week
1333 ED/PS208-6	TTH	11:00am - 12:15pm	15-week
1334 ED/PS208-7	TTH	12:30pm - 1:45pm	15-week
1335 ED/PS208-8	M	6:00pm - 8:35pm	15-week
1336 ED/PS208-ONL1		ONLINE	15-week
2105 ED/PS208-ONL2		ONLINE	15-week
1337 ED/PS208-ONL3		ONLINE	2nd 8-week

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.

2058 ED/PS208H-1	TTH	12:30pm - 1:45pm	15-week
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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.

1278 EG100-1	TH	12:30pm - 3:05pm	15-week	\$
1279 EG100-2	TH	6:00pm - 8:30pm	15-week	\$\$

Note: EG100-1 and EG100-2 held at FCC's Monroe Center

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

EG210 - Mechanics of Materials (3)

Prerequisites: MA 211, PY 203

Includes analysis of systems of forces on a deformable body. Tools covered include geometrical relationships, free body diagrams, equilibrium equations and stress and strain properties of materials. Concepts are applied to beams, columns, shafts and covers other machine and structural parts.

1280 EG210-1	T	8:00am - 10:35am	15-week
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EG211 - Engineering Dynamics (3)

Corequisite: MA 212

Includes the study of the motion of bodies relative to each other in two dimensions and in three dimensions. Analyzes systems both at rest and in motion. Includes force acceleration, work energy and impulse-momentum relationships.

2135 EG211-1	TH	8:00am - 10:35am	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.

2208 EM101-1	TTH	11:00am - 12:15pm	15-week
2209 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.

1859 EM104-ONL1	📱	ONLINE	15-week
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EM106 - Hazard, Risk, and Mitigation (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 the student with a thorough understanding of mitigation for disaster management, and the application of hazard management. The student will investigate various methods of risk management, risk reduction, risk avoidance, risk acceptance, and risk transfer to address both structural and non-structural mitigation. The concept of sustainability and its role in local land-use planning is examined.

1987 EM106-ONL1	📱	ONLINE	15-week
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EM110 - Federal Emergency 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 the student with the understanding of the role of the federal government in emergency management on the national level, and the influence of the federal government on local, regional, state, and international emergency management. Explores the historical development of the federal emergency management effort with emphasis on significant events that shaped existing policy.

1988 EM110-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.

2246 EM111-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.

2089 EM201-ONL1	📱	ONLINE	15-week
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EM213 - Social Impacts of Disaster (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)

Provides students with an enhanced awareness of the response planning and response challenges of diverse individuals, groups, and communities to disaster. Students will discover how disasters influence structures, interactions, and subjective perceptions among community members. Examines how social inequality, including race, ethnicity, class, and gender, result in enhanced vulnerabilities in disasters. Students will analyze the diverse cultural rules and biases of response organizations and communities that converge during disasters.

2210 EM213-1	W	5:00pm - 7:30pm	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.

2247 EM220-ONL1	📱	ONLINE	15-week
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EM221 - Public Safety Leadership and Ethics (3)

Prerequisite or Corequisite: EM 201 or FSA 201

Provides the student with understanding of leadership theories, skills, and techniques for application in emergency management. Introduces the concept of effective leadership in emergency management by identifying leadership models utilized in managing across the lifecycle of the incidents. Challenges students to analyze and evaluate current emergency management leaders and their leadership styles for their theoretical value and practical effectiveness.

1940 EM221-HYB1	M	5:00pm - 7:30pm	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.

2050 EN70-1	MW	9:30am - 12:00pm	15-week
1958 EN70-2	TTH	11:00am - 1:30pm	15-week

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.

2051 EN75-1	MW	11:00am - 12:40pm	15-week
2161 EN75-2	MW	11:00am - 12:40pm	15-week
1960 EN75-3	MW	1:00pm - 2:40pm	15-week
1961 EN75-4	TTH	9:00am - 10:40am	15-week
2162 EN75-5	TTH	11:00am - 12:40pm	15-week
1962 EN75-6	TTH	11:00am - 1:30pm	2nd 10-week
1964 EN75-7	TTH	1:00pm - 2:40pm	15-week
1963 EN75-8	TTH	6:00pm - 7:40pm	15-week
2156 EN75-HYB1	W	5:30pm - 7:10pm	15-week

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.

1467 EN101-1	MW	8:00am - 9:15am	15-week
1468 EN101-2	MW	9:30am - 10:45am	15-week
1469 EN101-3	MW	9:30am - 10:45am	15-week
2039 EN101-4	MW	9:30am - 10:45am	15-week
1470 EN101-5	MW	11:00am - 12:15pm	15-week
1471 EN101-6	MW	11:00am - 12:15pm	15-week
1472 EN101-7	MW	12:30pm - 1:45pm	15-week
1950 EN101-8	MW	12:30pm - 1:45pm	15-week
1951 EN101-9	MW	2:00pm - 3:15pm	15-week
1473 EN101-10	MW	2:00pm - 3:15pm	15-week
1475 EN101-11	MW	3:30pm - 5:45pm	2nd 8-week
1476 EN101-12	TTH	8:00am - 9:15am	15-week
1477 EN101-13	TTH	9:30am - 10:45am	15-week
1479 EN101-14	TTH	11:00am - 12:15pm	15-week
1480 EN101-15	TTH	12:30pm - 1:45pm	15-week
2040 EN101-16	TTH	12:30pm - 1:45pm	15-week
1481 EN101-17	TTH	2:00pm - 3:15pm	15-week
1483 EN101-18	M	6:00pm - 8:35pm	15-week
2228 EN101-19	T	6:00pm - 8:35pm	15-week
1952 EN101-20	W	6:00pm - 8:35pm	15-week
1484 EN101-21	TH	6:00pm - 8:35pm	15-week
2041 EN101-HYB1	W	6:00pm - 7:15pm	15-week
1474 EN101-WE1	MW	3:30pm - 4:45pm	13-week


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


1478 EN101-WE2 TTH 9:30am - 10:45am 13-week

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

1482 EN101-WE3 TTH 3:30pm - 4:45pm 13-week

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

1485 EN101-ONL1  ONLINE 15-week

1486 EN101-ONL2  ONLINE 15-week

1487 EN101-ONL3  ONLINE 1st 8-week

1488 EN101-ONL4  ONLINE 2nd 8-week \$

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

Note: Open to all students who meet the requirements of EN 101 irrespective of students' major, but students in business-related programs are encouraged to enroll.

1490 EN101-LK1 MW 10:30am - 11:45am 15-week

Note: Students must register for ACE100-LK1 and EN101-LK1

1493 EN101-LK2 MW 11:00am - 12:15pm 15-week

Note: Students must register for ACE100-LK2 and EN101-LK2

1967 EN101-LK3 TTH 8:00am - 9:15am 15-week

Note: Students must register for ACE100-LK3 and EN101-LK3

1491 EN101-LK4 TTH 10:30am - 11:45am 15-week

Note: Students must register for ACE100-LK4 and EN101-LK5

1492 EN101-LK5 TTH 3:30pm - 4:45pm 15-week

Note: Students must register for ACE100-LK5 and EN101-LK5

1489 EN101-LK6 MW 6:00pm - 7:15pm 15-week

Note: Students must register for ACE100-LK6 and EN101-LK6

Adult Services

The Office of Adult Services smooths the transition for adults returning to school to earn a degree, acquire marketable skills, or train for a new career. The Office of Adult Services works to address individual needs specific to adults and offers solutions including:

- Academic Advising
- Career Counseling
- College and Community Referrals
- Financial Aid Resources and Referrals
- Services for Single Parents and Displaced Homemakers
- Study Skills and Time Management Workshops

The Office of Adult Services • Annapolis Hall (A-103)
301.846.2483 • frederick.edu/AdultServices

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.

1496 ACE100-LK1 MW 12:00pm - 12:50pm 15-week

Note: Students must register for ACE100-LK1 and EN101-LK1

2053 ACE100-LK2 MW 12:30pm - 1:20pm 15-week

Note: Students must register for ACE100-LK2 and EN101-LK2

1497 ACE100-LK3 TTH 9:30am - 10:20am 15-week

Note: Students must register for ACE100-LK3 and EN101-LK3

1498 ACE100-LK4 TTH 12:00pm - 12:50pm 15-week

Note: Students must register for ACE100-LK4 and EN101-LK4

1912 ACE100-LK5 TTH 5:00pm - 5:50pm 15-week

Note: Students must register for ACE100-LK5 and EN101-LK5

1495 ACE100-LK6 MW 7:30pm - 8:20pm 15-week

Note: Students must register for ACE100-LK6 and EN101-LK6

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.

1500 EN101H-1 MW 12:30pm - 1:45pm 15-week

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.

1501 EN102-1 MW 8:00am - 9:15am 15-week

1506 EN102-2 MW 9:30am - 10:45am 15-week

1503 EN102-3 MW 11:00am - 12:15pm 15-week

1504 EN102-4 MW 12:30pm - 1:45pm 15-week

1505 EN102-5 MW 2:00pm - 3:15pm 15-week

1507 EN102-6 MW 3:30pm - 4:45pm 15-week

1509 EN102-7 TTH 12:30pm - 1:45pm 15-week


1508 EN102-8 TTH 2:00pm - 3:15pm 15-week

1949 EN102-9 W 6:00pm - 8:35pm 15-week

2157 EN102-HYB1 T 7:30pm - 8:20pm 15-week

1502 EN102-WE1 MW 9:30am - 10:45am 13-week

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

1511 EN102-ONL1  ONLINE 15-week

1512 EN102-ONL2  ONLINE 15-week

2252 EN102-ONL3  ONLINE 1st 8-week

2107 EN102-ONL4  ONLINE 2nd 8-week

EN102H - 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.

1813 EN102H-LK1 TTH 11:00am - 12:15pm 15-week

Note: Students must register for both EN102H-LK1 and CMM103H-LK1.

EN202 - British Literature Eighteenth Century through the Present (3)

Gen Ed Humanities

Surveys the literature of Great Britain from the eighteenth century through the present. The rise of industry, changing views of gender and citizen, the rise and fall of an empire, world wars, and artistic experimentation are explored through the literary genres of poetry, fiction, and drama.

2186 EN202-1 TTH 12:30pm - 1:45pm 15-week

EN204 - American Literature Civil War Period through the Present (3)

Surveys American literature from the late 19th Century to today. The rise of industrialism, world wars, the fragmenting of society, and artistic experimentation are explored through the literary genres of poetry, fiction, and drama.

1513 EN204-1 MW 11:00am - 12:15pm 15-week

EN206 - World Literature 1650 C.E. through the Present (3)

Gen Ed Humanities; Cultural Competence

Surveys selected works of western and non-western literature from 1650 C.E. through the present. Cultural and historical contexts are explored through a wide range of literary forms.

1906 EN206-1 TTH 6:00pm - 8:35pm 15-week

EN210 - Creative Writing (3)

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.

1514 EN210-1 TTH 2:00pm - 3:15pm 15-week

EN212 - Newswriting and Reporting (3)

Provides instruction and practice in news reporting and in the fundamentals of newswriting. Professional news stories in newspapers, magazines, and the Web will be analyzed and evaluated. The course concentrates on key rhetorical elements, organization, and structure of common news, features, and opinion articles, both in print and digital news mediums.

1515 EN212-1 MW 11:00am - 12:15pm 15-week

EN216 - The Short Story (3)

Gen Ed Humanities

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.

1516 EN216-ONL1  ONLINE 15-week

EN222 - Creative Writing Practicum: Tuscarora Review Editorial Board (3)

Prerequisite: EN 210 or permission of instructor

Provides opportunities for students to work on the College's magazine of the creative arts for credit by evaluating submissions of essays, short stories, poetry, drama and two-dimensional art; by copy editing the material; and by laying out the magazine. May be taken three times for a maximum of nine credits.

1781 EN222-1 MW 2:00pm - 3:15pm 15-week

EN230 - African American Literature (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: EN 101

Surveys a wide variety of African American literature: fiction, drama and poetry. Analyzes the elements of each of the genres with emphasis on the literature as a response to people and events affecting African American life, culture and rights.

1518 EN230-1 MW 12:30pm - 1:45pm 15-week

EN/CMM: English & Communications

EN/CMM241 - Journalism Publication Practicum (3)

Gen Ed Humanities; Gen Ed Communications

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.

1733 EN/CMM241-1 MW 2:00pm - 3:15pm 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.

2194 ESL70-1 MW 9:00am - 10:45am 15-week

1767 ESL70-2 TTH 6:00pm - 7:45pm 15-week

Note: All ESL courses will require approval for Spring registration. Online registration will not be available for ESL courses.

ESL71 - Academic Grammar & Writing I (0) [4]

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.

2195 ESL71-1 MW 12:30pm - 2:15pm 15-week

1768 ESL71-2 MW 6:00pm - 7:45pm 15-week

Note: All ESL courses will require approval for Spring 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.

2196 ESL72-1 TTH 11:00am - 12:45pm 15-week

1816 ESL72-2 TTH 6:00pm - 7:45pm 15-week

Note: All ESL courses will require approval for Spring 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.

2197 ESL73-1 TTH 9:00am - 10:45am 15-week

1830 ESL73-2 MW 6:00pm - 7:45pm 15-week

Note: All ESL courses will require approval for Spring registration. Online registration will not be available for ESL courses.

FSA: Fire Service Administration

FSA105 - Risk Assessment, Reduction, and Safety (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 the concepts of community sociology, the role of fire-related organizations within the community, and their impact on shaping community policy and master planning. Components of risk identification, risk evaluation, incident management, and accountability systems are examined.

1802 FSA105-1 M 7:00pm - 10:00pm 15-week

1803 FSA105-2 T 7:00pm - 10:00pm 15-week

Note: This class will be held at both the main FCC campus and the Fire Academy. Please verify class locations with instructor. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

FSA107 - Disaster Planning and Response (3)

1804 FSA107-1 W 7:00pm - 10:00pm 15-week

1805 FSA107-2 TH 7:00pm - 10:00pm 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.

1338 GG101-1 MW 9:30am - 10:45am 15-week

GG102 - Cultural Geography (3)

Gen Ed Geography; Cultural Competence

Studies man in his regional settings, with emphasis on the interrelationships of physical and cultural phenomena.

1340 GG102-1 TTH 11:00am - 12:15pm 15-week

1341 GG102-ONL1 📺 ONLINE 15-week

GG201 - Urban Social Geography (3)

Gen Ed Geography; 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)

Examines concepts of cities and how culture interacts with urban landscapes.

2255 GG201-HYB1 TTH 2:00pm - 3:15pm 2nd 8-week

GIS: Geographic Information Systems

GIS101 - Introduction to Geographic Information Systems with ArcGIS (3)

Introduces the principles of geospatial technologies and the use/application of Geographic Information Systems (GIS) software and data. Develops student understanding of the fundamental concepts and applications of GIS, spatial data, and GIS software packages including Esri's ArcGIS Desktop Suite.

Discusses the need for skills in data management, conversion, and compilation using GIS software and provides practice in a computer lab environment. Note: Students taking the course should be proficient with the use of personal computers in a Windows operating environment.

2211 GIS101-1 T 5:00pm - 7:30pm 15-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.

1407 HE102-1	M	9:30am - 12:00pm	15-week
1408 HE102-2	MW	2:00pm - 3:15pm	15-week
1409 HE102-3	TTH	11:00am - 1:30pm	2nd 7-week
1410 HE102-4	TTH	12:30pm - 1:45pm	15-week
1411 HE102-5	TTH	2:00pm - 3:15pm	15-week
1412 HE102-6	T	5:00pm - 7:35pm	15-week
1413 HE102-ONL1		ONLINE	15-week
1414 HE102-ONL2		ONLINE	15-week
1415 HE102-ONL3		ONLINE	1st 8-week
1416 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.

1417 HE110-1	T	11:00am - 1:00pm	2nd 7-week
1418 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.

1419 HE115-1	F	9:30am - 11:30am	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).

1769 HE120-1	T	11:00am - 1:00pm	1st 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.

2092 HE130-1	MW	5:30pm - 6:45pm	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.

1420 HE200-1	TTH	11:00am - 1:30pm	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.

1421 HE201-1	MW	11:00am - 12:15pm	15-week
1422 HE201-2	TTH	8:00am - 9:15am	15-week
1423 HE201-3	TTH	12:30pm - 1:45pm	15-week
1424 HE201-4	TTH	2:00pm - 3:15pm	15-week
2262 HE201-5	W	9:30am - 12:00pm	15-week
1425 HE201-6	T	5:00pm - 7:35pm	15-week
2093 HE201-HYB1	W	7:30pm - 10:00pm	1st 8-week
1426 HE201-ONL1		ONLINE	15-week
1427 HE201-ONL2		ONLINE	15-week

HE204 - Health Education (3)

Covers basic areas of health, including mental health, fitness, nutrition, weight control, sexual health, drugs and alcohol, disease and consumer and environmental health.

1430 HE204-1	MW	12:30pm - 1:45pm	15-week
1428 HE204-2	TTH	9:30am - 10:45am	15-week
1429 HE204-3	TTH	11:00am - 12:15pm	15-week
1431 HE204-ONL1		ONLINE	15-week
2263 HE204-ONL2		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.

1342 HI101-1	TTH	11:00am - 12:15pm	15-week
1343 HI101-2	TTH	2:00pm - 3:15pm	15-week

HI102 - History of Western Civilization (3)

Covers Western history from 1500 to the present.

1344 HI102-1	MW	9:30am - 10:45am	15-week
1913 HI102-2	TTH	12:30pm - 1:45pm	15-week
2014 HI102-ONL1		ONLINE	15-week

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

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.

2152 HI121-1	TTH	9:30am - 10:45am	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.

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.

1345 HI201-1	MW	9:30am - 10:45am	15-week
1347 HI201-2	TTH	12:30pm - 1:45pm	15-week
1346 HI201-WE1	TTH	8:00am - 9:15am	13-week

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

1348 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.

1349 HI202-1	TTH	11:00am - 12:15pm	15-week
1350 HI202-WE1	MW	12:30pm - 1:45pm	13-week

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

1834 HI202-ONL1  **ONLINE** **2nd 8-week**

HI202H - 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.

1825 HI202H-1 **MW** **11:00am - 12:15pm** **15-week**

HI214 - The Civil Rights Movement (3)

Explores the history of the Civil Rights movement in twentieth-century America. It begins with an overview of segregation, examines in detail the efforts of the movement to overcome Jim Crow discrimination, and concludes with an assessment of the movement's legacy.

1351 HI214-1 **MW** **12:30pm - 1:45pm** **15-week**

HI220 - World War II (3)

Gen Ed Social Science

Prerequisite or Corequisite: EN 101

Surveys the major military and social developments of WWII through films and selected readings. Multicultural and multinational perspectives are included.

2153 HI220-1 **TTH** **2:00pm - 3:15pm** **15-week**

HI221 - The Sixties (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 one of America's most turbulent decades: the 1960s. This course explores the Civil Rights Movement, the Vietnam War, the Anti-War Movement, and changing cultural and social mores. Emphasis will include an examination of the history, politics, literature, and music of the era.

2060 HI221-1 **T** **6:00pm - 8:30pm** **15-week**

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 catalog. *Note: Honors contracts are available for numerous other courses at FCC. Contact the Honors Coordinator (bthompson@frederick.edu) for information and an application.*

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.

2049 ACE101H-1 **MW** **2:00pm - 3:15pm** **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.

2207 ACE201H-1 **MW** **2:00pm - 3:15pm** **15-week**

BI104H - 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.

1947 BI104H-1LC **TTH** **12:30pm - 1:45pm** **15-week**

1948 BI104H-11LB **TH** **9:30am - 12:00pm** **15-week**

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

CMM103H - Introduction to Film (3)

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.

1826 CMM103H-LK1 **TTH** **9:30am - 10:45am** **15-week**

Note: Students must register for both CMM103H-LK1 and EN102H-LK1

EC202H - Principles of Economics (3)

Prerequisite: EC 201

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

2261 EC202H-2C **TTH** **2:00pm - 3:15pm** **15-week**

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.

2058 ED/PS208H-1 **TTH** **12:30pm - 1:45pm** **15-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.

1500 EN101H-1 MW 12:30pm - 1:45pm 15-week

EN102H - 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.

1813 EN102H-LK1 TTH 11:00am - 12:15pm 15-week

Note: Students must register for both EN102H-LK1 and CMM103H-LK1.

HI202H - History of the United States (3)

Covers United States history from Reconstruction to the present.

1825 HI202H-1 MW 11:00am - 12:15pm 15-week

PH204H - 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.

2213 PH204H-1 - 15-week

PS206H - 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.

1737 PS206H-1C MW 9:30am - 10:45am 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®).

1981 HOS110-HYB1 T 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's Monroe Center

HOS112 - Culinary I (3)

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.

1888 HOS112-1 M 4:30pm - 9:30pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus.

HOS113 - Culinary II (3)

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.

1979 HOS113-1 T 9:00am - 2:00pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus.

HOS114 - Baking I (3)

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.

1770 HOS114-1 W 4:30pm - 9:30pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus.

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.

2086 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.

1982 HOS123-HYB1 T 6:00pm - 8:40pm 2nd 7-week

Note: Class held at FCC's 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.

1980 HOS161-HYB1 M 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's 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.

2198 HOS163-HYB1 TH 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's Monroe Center

HOS210 - Garde Manger (4)

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.

1984 HOS210-1 W 9:00am - 2:00pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. 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)

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.

1983 HOS214-1 TH 9:00am - 2:00pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus.

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.

1985 HOS216-HYB1 M 6:00pm - 8:40pm 2nd 7-week

Note: Class held at FCC's Monroe Center

HOS240 - International and American Regional Cuisine (4)

Prerequisite: HOS 113 or permission of program manager; Corequisite: HOS 250

Prepares, tastes, and evaluates traditional regional dishes from the United States, Central and South America, the Caribbean, Asia, Europe, and the Mediterranean. Students will explore these cuisines from a cultural, geographical, religious, and historical perspective. Emphasis is placed on ingredients, flavor profiles, preparations, and techniques for these cuisines. Develops an expanded understanding and appreciation of why and how people from diverse world cultures approach food and cooking differently. Extra fees required.

1889 HOS240-1 T 4:30pm - 9:30pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus.

HOS250 - Restaurant Production and Service (4)

Prerequisite: HOS 163 or HOS 210 or permission of program manager; Corequisite: HOS 240 or HOS 263

Provides the capstone student experience of applying learned knowledge and skills in an operational restaurant setting. Students rotate through the dining room and kitchen in this intensive course. Front-of-the-House students train and carry out dining room rules of service from set-up to closeout. Back-of-the-House students learn brigade station responsibilities of à la carte preparation, cooking, and plating techniques. All students work together to provide quality customer service to guests. Extra fees required.

1890 HOS250-1 TH 2:30pm - 9:30pm 15-week

Note: Class held at FCC's Monroe Center, Culinary fee: \$121. Students are required to have a proper chef uniform and basic pastry kit. Both may be purchased at the FCC Bookstore on campus

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.

2199 HOS261-HYB1 W 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's Monroe Center

HOS263 - Hospitality Business Analysis (3)

Prerequisite or Corequisite: HOS 261 or permission of program manager

Learn a new approach to business analysis utilizing revenue management, which is multidisciplinary as it blends elements of marketing, operations, and finance management. Students will learn about the elements in revenue management and how to utilize them to perform business analysis and make recommendations for business enhancements.

2250 HOS263-HYB1 W 6:00pm - 8:40pm 2nd 7-week

Note: Class held at FCC's Monroe Center

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.

1352 HS102-1 MW 9:30am - 10:45am 15-week

1914 HS102-2 MW 11:00am - 12:15pm 15-week

1353 HS102-3 MW 12:30pm - 1:45pm 15-week

1355 HS102-4 TTH 8:00am - 9:15am 15-week

1356 HS102-5 TTH 9:30am - 10:45am 15-week

1360 HS102-HYB1 T 6:00pm - 8:30pm 1st 8-week

1358 HS102-WE1 TTH 11:00am - 12:15pm 13-week

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

1361 HS102-ONL1 ONLINE 15-week

1359 HS102-ONL2 ONLINE 2nd 8-week

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

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.

1362 HS103-1 MW 2:00pm - 3:15pm 15-week

1363 HS103-2 M 5:30pm - 8:00pm 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.

1364 HS204-HYB1 F 1:30pm - 3:30pm 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.

2098 HS205-ONL1 ONLINE 15-week

HS206 - Pharmacology of Psychoactive Drugs (3)

Prerequisite: PS 101

Presents the basic pharmacological and neurophysiological fundamentals of licit and illicit drug use. The primary focus of the course is the explanation of how drugs may alter body and brain function and how these alterations influence and mediate human behavior. Suggested for human service majors, especially those interested in addictions, current or potential health care professionals.

2075 HS206-1 TTH 2:00pm - 3:15pm 15-week

HU: Humanities

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.

2234 HU107-HYB1 M 12:30pm - 1:45pm 15-week

HU210 - The Language of Hip Hop (3)

Prerequisite or Corequisite: EN 101

Examines the role of language, both verbal and non-verbal, in the aesthetics, intercultural communication, and cultural practices of hip hop through the study of the origins and evolution of the culture, moving on to key topics including authenticity, class, and language ideology. Students will identify current and historical elements of hip hop culture in the US. Through multimedia analysis, critical reading and listening, and student led discussion, students will develop skills necessary to critically analyze and explore the language of hip hop and survey its historical development, political significance, and social influence.

2096 HU210-1 TTH 2:00pm - 3:15pm 15-week

INTR: Internship

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.

INTR101 - Internship (1)

1712 INTR101-1 TBA 15-week
1788 INTR101-2 TBA 13-week
1789 INTR101-3 TBA 2nd 10-week
1790 INTR101-4 TBA 2nd 8-week
1791 INTR101-5 TBA 2nd 7-week

INTR102 - Internship (2)

1713 INTR102-1 TBA 15-week
1792 INTR102-2 TBA 13-week
1884 INTR102-3 TBA 1st 8-week
1793 INTR102-4 TBA 2nd 10-week
1794 INTR102-5 TBA 2nd 8-week
1795 INTR102-6 TBA 2nd 7-week
1796 INTR102-7 TBA 3rd 5-week
1934 INTR102-HS TBA 15-week

Note: Human Services students only

INTR103 - Internship (3)

1714 INTR103-1 TBA 15-week
2101 INTR103-2 TBA 1st 10-week
1797 INTR103-3 TBA 13-week
1885 INTR103-4 TBA 1st 8-week
1798 INTR103-5 TBA 2nd 10-week
1799 INTR103-6 TBA 2nd 8-week
1800 INTR103-7 TBA 2nd 7-week
1801 INTR103-8 TBA 3rd 5-week
1764 INTR103-EM1 TBA 15-week

Note: Emergency Management students only

1765 INTR103-EM2 TBA 2nd 8-week

Note: Emergency Management students only

2099 INTR103-HS TBA 15-week

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.

1932 ITR104-1 T 6:00pm - 8:35pm 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.

1976 ITR112-1 MW 2:00pm - 3:15pm 15-week

ITR114 - Consecutive Interpreting (3)

Prerequisite: ITR 104; *Corequisites:* ITR 110, ITR 112

Develops consecutive interpreting skills and prepares students for the simultaneous interpreting process. Students will compare ASL and English semantic/syntactic structures to the consecutive interpreting process. Focus in the course will be on source and target text analysis, vocabulary expansion, and interpreting process skill development.

1977 ITR114-1 TTH 6:00pm - 7:15pm 15-week

ITR222 - ASL to English Interpretation II (3)

Prerequisites: ITR 212, ITR 216; *Corequisites:* ITR 224, ITR 226, ITR 230

Provides students with additional practice in specific skill areas related to ASL to English interpretation. Text/discourse/process analysis, lexical and syntactic development, and voice production techniques for simultaneous ASL to English interpretation. Course content is at an intermediate to advanced level of speed and complexity. Students will work primarily from videotaped language models.

2179 ITR222-1 M 6:00pm - 8:35pm 15-week

ITR224 - English to ASL Interpreting II (3)

Prerequisites: ITR 212, ITR 214, ITR 216; *Corequisites:* ITR 222, ITR 226, ITR 230

Allows students to continue practicing rendering the target language (ASL) from the source language (English) simultaneously. Provides preparation for Internship. Continued emphasis and focus is on appropriate use of lexical and syntactic principles and non-manual behaviors of ASL.

2180 ITR224-1 W 6:00pm - 8:35pm 15-week

ITR226 - Transliterating II (3)

Prerequisites: ITR 212, ITR 214, ITR 216; *Corequisites:* ITR 222, ITR 224, ITR 230

Expands the process of visually representing English. Students will focus on the expansion and enhancement of transliterating skills at the English end of the ASL-English continuum. Students will incorporate ASL features into intermediate to advanced level texts presented in a simultaneous mode.

2181 ITR226-1 TH 6:00pm - 8:35pm 15-week

ITR230 - Internship Seminar & Interpreting Environments (2)

Prerequisites: ITR 212, ITR 214, ITR 216; *Corequisites:* ITR 222, ITR 224, ITR 226

Introduces students to the requirements, guidelines, professional practices, and types of placements for field experience. Students will discuss protocol, skills, ethics, and business practices needed for specific site placements. Discusses the roles and responsibilities within team interpreting. Briefly discusses various interpreting environments.

2182 ITR230-1 T 5:00pm - 7:35pm 15-week

LA: Paralegal

LA100 - Introduction to Law (3)

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.

1365 LA100-HYB1 SAT 9:00am - 1:15pm 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.

2043 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.

2281 LA104-HYB1 M 10:00am - 1:00pm 1st 7-week

2282 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.

1366 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.

1936 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.

2249 LA200-HYB1 M 10:00am - 1:00pm 2nd 7-week

1855 LA200-HYB2 W 6:00pm - 9:00pm 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.

1367 LA205-HYB1 M 6:00pm - 9:00pm 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.

1946 LA220-HYB1 M 6:00pm - 9:00pm 2nd 7-week

LA240 - Family Law (3)

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.

1368 LA240-HYB1 T 6:00pm - 9:00pm 15-week

LAR: Arabic

LAR101 - Introductory Arabic I (3)

Gen Ed Humanities

Covers the fundamentals of the Arabic language both written and spoken pertinent to the first semester. Offers a strong foundation in the language through development of vocabulary, grammar, reading and conversational skills. Offers insights into Arabic culture and customs.

1860 LAR101-1 TTH 12:30pm - 1:45pm 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.

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.

2273 LC101-1 MW 9:10am - 10:50am 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.

LF: French

LF102 - Introductory French II (3)

Prerequisite: LF 101

A continuation of LF 101 with increased emphasis on literature and idiomatic speech.

1611 LF102-1 MW 2:00pm - 3:15pm 15-week

LG: German

LG101 - Introductory German I (3)

Introduces German grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogs, students gain insight into German culture, thought and expression.

1612 LG101-1 TTH 12:30pm - 1:45pm 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.

LL: Latin

LL102 - Introductory Latin II (3)

Prerequisite: LL 101

Provides a continuation of LL 101. Introduces elementary readings in Latin literature.

1613 LL102-1 T 6:00pm - 8:35pm 15-week

LL202 - Intermediate Latin II (3)

Prerequisite: LL 201

Reviews Latin grammar. Presents Virgil's Aeneid, Books I, II, IV and VI. Includes Roman and Greek culture and mythology appropriate to the readings.

2066 LL202-1 W 6:00pm - 8:35pm 15-week

LR: Russian

LR102 - Introductory Russian II (3)

Gen Ed Humanities

Prerequisite: LR 101

Covers fundamentals of the Russian written and spoken language pertinent to the second semester. Offers a strong foundation in the language through development of vocabulary, grammar, reading and conversational skills. Offers insights into Russian culture and customs.

1937 LR102-1 MW 6:00pm - 8:35pm 1st 7-week

LR201 - Intermediate Russian I (3)

Gen Ed Humanities

Prerequisite: LR 102 or two year of high school Russian

Continues development of reading, conversational, and translational skills and habits with emphasis on proper use of grammar and knowledge of vocabulary.

2278 LR201-1 MW 6:00pm-8:35pm 2nd 8-week

LS: Spanish

LS101 - Introductory Spanish I (3)

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.

2184 LS101-1 MW 9:30am - 10:45am 15-week

1615 LS101-2 MW 12:30pm - 1:45pm 15-week

1617 LS101-3 TTH 9:30am - 10:45am 15-week

1616 LS101-4 TTH 11:00am - 12:15pm 15-week

1614 LS101-WE1 T 6:00pm - 8:35pm 13-week

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

1618 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)

Prerequisite: LS 101

A continuation of LS 101. Introduces more complicated readings.

1861 LS102-1 MW 12:30pm - 1:45pm 15-week

1619 LS102-2 M 6:00pm - 8:35pm 15-week

1620 LS102-ONL1 ONLINE 15-week

LS202 - Intermediate Spanish II (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 201

A continuation of LS 201. Students discuss readings in representative Spanish prose and poetry.

2068 LS202-1 MW 2:00pm - 3:15pm 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.

2237 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.

1896 MA103-1 MW 9:30am - 10:45am 15-week

1006 MA103-2 MW 11:00am - 12:15pm 15-week

1004 MA103-3 TTH 9:30am - 10:45am 15-week

1005 MA103-4 TTH 12:30pm - 1:45pm 15-week

1823 MA103-5 M 6:00pm - 8:35pm 15-week

1007 MA103-ONL1 ONLINE 15-week

1897 MA103-WE1 TTH 11:00am - 12:15pm 15-week

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

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

MA103A - Foundations of Mathematics (3)

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.

1898 MA103A-1 MTWT 9:30am - 10:35am 15-week

1775 MA103A-2 MTWT 11:00am - 12:05pm 15-week

1824 MA103A-3 MTWT 12:30pm - 1:35pm 15-week

1899 MA103A-4 TTH 6:00pm - 8:10pm 15-week

1774 MA103A-HYB1 MW 8:00am - 9:15am 15-week

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

Note: Students registering for MA 103A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

MAA - Instruction with Algebra (0) [2]

Supplements MA 103A and MA 206A.

1780 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.



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.

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

Note: MA 105 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

Provides a comprehensive, conceptually-based background in elementary mathematics. Topics include historical development of numeration systems, decimal notation, arithmetic algorithms in decimal and other bases, elementary set theory and number theory. Intended for early childhood and elementary education students, or other non-STEM majors, who need a general course in problem-solving strategies, numeracy, and the real number system.

2036 MA105-1	TTH	9:00am - 10:40am	15-week
1008 MA105-2	TTH	11:00am - 12:40pm	15-week
1009 MA105-3	T	5:00pm - 8:30pm	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

Note: MA 106 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

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.

2141 MA106-1	MW	9:00am - 10:40am	15-week
2143 MA106-2	MW	11:00am - 12:15pm	15-week
2142 MA106-3	TH	5:00pm - 8:30pm	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.

1012 MA111-1	MW	11:00am - 12:40pm	15-week
1011 MA111-2	TTH	9:00am - 10:40am	15-week
2102 MA111-3	TTH	9:00am - 10:40am	15-week
1013 MA111-4	TTH	1:00pm - 2:40pm	15-week
1014 MA111-5	MW	5:00pm - 6:40pm	15-week
1015 MA111-ONL1	📖	ONLINE	15-week

MA130 - College Algebra (3)

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.

1016 MA130-1	MW	8:00am - 9:15am	15-week
2238 MA130-2	MW	9:30am - 10:45am	15-week
1717 MA130-3	MW	11:00am - 12:15pm	15-week
1718 MA130-4	MW	2:00pm - 3:15pm	15-week
1017 MA130-5	TTH	9:30am - 10:45am	15-week
1018 MA130-6	TTH	9:30am - 10:45am	15-week
1019 MA130-7	TTH	11:00am - 12:15pm	15-week
1021 MA130-8	TTH	12:30pm - 1:45pm	15-week
1852 MA130-9	TTH	3:30pm - 4:45pm	15-week
1832 MA130-10	SAT	9:00am - 11:30am	14-week
2239 MA130-11	MW	5:00pm - 6:30pm	13-week
1953 MA130-WE1	TTH	11:00am - 12:15pm	13-week

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

1020 MA130-ONL1	📖	ONLINE	13-week
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MA130S - College Algebra (3)

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.

2139 MA130S-1	MTWT	9:30am - 10:45am	15-week
2140 MA130S-2	MTWT	11:00am - 12:15pm	15-week
2240 MA130S-3	TTH	6:00pm - 8:35pm	15-week

Note: Students registering for MA 130S must also register for MA S - Algebraic Support.

MAS - Algebraic Support (0) [3]

Supplements MA 130S.

2264 MAS-1	ASG		15-week
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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.

1022 MA201-1	MW	11:00am - 12:15pm	15-week	\$
2037 MA201-2	TTH	9:30am - 10:45am	15-week	
1833 MA201-ONL1	📖	ONLINE	15-week	\$

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

MA202 - Introduction to Discrete Mathematics (3)

Prerequisite: A grade of B or better in MA 82 or MA 85 or appropriate score on the mathematics placement test

For the mathematics and computer science student. Develops problem solving skills. Topics include sets and logic, elementary number theory, graph theory, matrices, algorithm design, mathematical induction and recursion.

1023 MA202-1	MW	11:00am - 12:15pm	15-week	\$
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📖 *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.

1025 MA206-1	MW	8:00am - 9:15am	15-week	
1024 MA206-2	MW	9:30am - 10:45am	15-week	
1719 MA206-3	MW	11:00am - 12:15pm	15-week	
2241 MA206-4	MW	12:30pm - 1:45pm	15-week	
1721 MA206-5	MW	2:00pm - 3:15pm	15-week	
1026 MA206-6	TTH	8:00am - 9:15am	15-week	
1954 MA206-7	TTH	9:30am - 10:45am	15-week	
1838 MA206-8	TTH	11:00am - 12:15pm	15-week	\$
2242 MA206-9	TTH	11:00am - 12:15pm	15-week	
1901 MA206-10	TTH	12:30pm - 1:45pm	15-week	
1027 MA206-11	TTH	2:00pm - 3:15pm	15-week	
1839 MA206-12	F	9:30am - 12:05pm	15-week	
1955 MA206-13	M	5:30pm - 8:55pm	13-week	
1840 MA206-14	W	6:00pm - 8:35pm	15-week	\$
1841 MA206-15	TH	5:30pm - 8:05pm	15-week	
1720 MA206-HYB1	MW	12:30pm - 1:45pm	2nd 8-week	
1900 MA206-WE1	MW	9:30am - 10:45am	13-week	

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

1028 MA206-ONL1	📖	ONLINE	15-week	\$
1943 MA206-ONL2	📖	ONLINE	13-week	\$

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

MA206A - Statistics (3)

Prerequisite: 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.

1779 MA206A-1	MTWT	9:30am - 10:35am	15-week	📄📄📄
1777 MA206A-2	MTWT	11:00am - 12:05pm	15-week	📄📄📄
1956 MA206A-3	MTWT	11:00am - 12:15pm	13-week	📄📄📄

Note: Students registering for MA 206A in the 13-week session must also register for MA A - Instruction with Algebra in the 13-week session.

1902 MA206A-4	MW	6:00pm - 8:10pm	15-week	📄📄📄
1778 MA206A-5	TTH	6:00pm - 8:10pm	15-week	📄📄📄
1776 MA206A-HYB1	MW	8:00am - 9:15am	15-week	📄📄📄
2243 MA206A-HYB2	MW	12:30pm - 1:45pm	15-week	📄📄📄

Note: Students registering for MA 206A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

📄 *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.

1780 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.

2083 MAA-2	ASG		13-week
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Note: Students registering for 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.

1029 MA207-1	MW	11:00am - 12:40pm	15-week
2244 MA207-2	MW	1:00pm - 2:40pm	15-week
1904 MA207-3	TTH	1:00pm - 2:40pm	15-week
1030 MA207-HYB1	M	5:00pm - 6:40pm	15-week

MA210 - Calculus I (4)

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.

1957 MA210-1	MW	9:00am - 10:40am	15-week
1032 MA210-2	TTH	9:00am - 10:40am	15-week
1033 MA210-3	TTH	1:00pm - 2:40pm	15-week
1034 MA210-4	TTH	5:00pm - 6:40pm	15-week
1035 MA210-ONL1	📄	ONLINE	15-week

MA211 - Calculus II (4)

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.

1036 MA211-1	MW	1:00pm - 2:40pm	15-week
1037 MA211-2	TTH	11:00am - 12:40pm	15-week
1038 MA211-3	TTH	5:00pm - 6:40pm	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.

1039 MA212-1	TTH	3:00pm - 4:40pm	15-week
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MA213 - Differential Equations (3)

Prerequisite: A grade of C or better in MA 211 AND *Prerequisite or Corequisite:* MA 214

Presents differential equations of order one; linear differential equations with constant coefficients; non-homogenous equations with undetermined coefficients; variation of parameters; inverse differential operators; Laplace Transform; systems of differential equations; nonlinear equations; elementary applications.

2192 MA213-1	MW	9:30am - 10:45am	15-week
1040 MA213-2	TTH	5:00pm - 6:15pm	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.

1842 MA214-ONL1	📄	ONLINE	1st 8-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.

1171 MDA101-1	TTH	6:30pm - 8:45pm	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.

1172 MDA102-1	TTH	6:30pm - 8:45pm	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.

1935 MDA108-ONL1	📄	ONLINE	1st 7-week
1173 MDA108-ONL2	📄	ONLINE	2nd 7-week

MDA109 - Medical Terminology (3)

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.

1174	MDA109-HYB1	TH	9:30am - 10:45am	15-week
1175	MDA109-HYB2	TH	11:00am - 12:15pm	15-week
1176	MDA109-ONL1	📱	ONLINE	15-week
2219	MDA109-ONL2	📱	ONLINE	1st 7-week
1810	MDA109-ONL3	📱	ONLINE	2nd 7-week

MDA110 - Pharmacology for Medical Office Practice (3)

Prerequisite: EN 70 or EN 75 or 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.

1856	MDA110-HYB1	TH	11:00am - 1:45pm	2nd 7-week
1177	MDA110-ONL1	📱	ONLINE	1st 7-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.

2220	MDA112-HYB1	W	6:30pm - 8:30pm	1st 7-week
1178	MDA112-ONL1	📱	ONLINE	2nd 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.

2283	MDA115-1	W	6:00pm - 9:00pm	2nd 7-week
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MDA201 - Medical Assisting Laboratory Procedures (3)

Prerequisite: MDA 102; Prerequisite or Corequisite: MDA 104

Introduces the basic routine laboratory skills and techniques required for assisting with patients in the medical office. Emphasizes laboratory activities and responsibilities of the medical laboratory technician for a physician's office. Skills include (but are not limited to): collecting, handling, and examining laboratory specimens and using phlebotomy procedures according to OSHA regulations.

1179	MDA201-1	F	9:00am - 1:30pm	1st 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.

1180	MDA202-1	F	9:00am - 1:30pm	2nd 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.

1782	MDA204-1	ASG		2nd 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.

2221	MDA216-HYB1	TH	6:30pm - 8:30pm	2nd 7-week
1857	MDA216-ONL1	📱	ONLINE	15-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.

2222	MDA218-HYB1	W	6:30pm - 8:30pm	2nd 7-week
1858	MDA218-ONL1	📱	ONLINE	1st 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.

1181	MDA220-ONL1	📱	ONLINE	1st 7-week
1182	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.

2223	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.

1621	MU101-1	MW	9:30am - 10:45am	15-week
1622	MU101-ONL1	📱	ONLINE	15-week

MU103 - Fundamentals of Music (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

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.

1623	MU103-1	MW	11:00am - 12:15pm	15-week
1624	MU103-2	TTH	12:30pm - 1:45pm	15-week
2257	MU103-ONL1	📱	ONLINE	2nd 8-week

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.

1625 MU106-1 TTH 9:30am - 10:20am 15-week

MU107 - Aural and Keyboard Skills II (1)

Prerequisite: MU 106

A continuation of Aural and Keyboard Skills I, coordinated with material presented in Music Theory II, including more difficult triad types and seventh chords, non-harmonic tones, part-singing, syncopated rhythms, cadences, harmonic progressions and modulations.

1626 MU107-1 TTH 2:30pm - 3:20pm 15-week

MU108 - Survey of World Music (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) OR Corequisite: EN 75

Provides an introduction to the indigenous musical expressions of countries around the world, including African, Asian, Latin American, native North American and the Caribbean, emphasizing a global perspective and artistic interaction of world cultures. Considers origins, unique instruments, significant genres, notable artists, and cultural functions. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

2172 MU108-1 MW 12:30pm - 1:45pm 15-week

MU109 - History of American Popular Music (3)

Gen Ed Arts

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.

1629 MU109-1 MW 2:00pm - 4:30pm 2nd 8-week

1628 MU109-2 TTH 9:30am - 10:45am 15-week

2258 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.

1630 MU111-1 TTH 11:00am - 12:15pm 15-week

MU112 - Music Theory II (3)

Prerequisite: MU 111

A continuation of Theory I, with more advanced harmony. Introduces contrapuntal technique. Offers more advanced dictation skills, beginning composition using course skills.

1631 MU112-1 TTH 3:30pm - 4:45pm 15-week

MU118 - 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.

1632 MU118-1C T 7:45pm - 10:20pm 15-week

MU120 - 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.

1633 MU120-1 M 7:30pm - 9:30pm 15-week

1634 MU120-2C W 7:45pm - 10:10pm 15-week

MU122 - Orchestral Ensemble I (1)

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.

1635 MU122-1C TH 7:30pm - 10:00pm 15-week

2062 MU122-2 TH 7:00pm - 9:30pm 15-week

MU124 - Wind Ensemble I (1)

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.

1636 MU124-1C W 6:30pm - 9:00pm 15-week

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.

1637 MU130-1 TTH 11:00am - 12:15pm 15-week

MU135 - Audio Recording Techniques (3)

Prerequisite: MU 130

Provides an in-depth exploration of microphone technology, analog and digital theory, and recording systems. Students will explore techniques for recording in the tonmeister style of engineering, particularly as it relates to microphone techniques and editing using a digital audio workstation.

2069 MU135-1 TTH 12:30pm - 1:45pm 15-week

1638 MU135-2 TTH 3:30pm - 4:45pm 15-week

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.

2173 MU145-1 F 12:30pm - 3:00pm 15-week

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.

1639 MU151-1C M 11:30am - 12:20pm 15-week

1640 MU151-2C W 12:30pm - 1:20pm 15-week

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.

1641 MU152-1C M 11:30am - 12:20pm 15-week

1642 MU152-2C W 12:30pm - 1:20pm 15-week

MU207 - Aural and Keyboard Skills IV (1)

Prerequisite: MU 206; Corequisite: MU 212

A continuation of Aural and Keyboard Skills III, coordinated with material presented in Music Theory IV, including synthetic scales, quartal and quintal harmonies, tone rows, chromaticism, changing meters and polychords.

1663 MU207-1 MW 3:30pm - 4:20pm 15-week

MU212 - Music Theory IV (3)

Prerequisite: MU 211; Corequisite: MU 207

A continuation of Music Theory III. Includes chords of the ninth, eleventh and thirteenth, evaded cadences, complex harmonic progressions, whole-tone scale and pentatonic scale, impressionistic techniques, twelve-tone writing, atonality, new sound sources, twentieth-century uses of melody, rhythm, harmony and form, extended uses of chromaticism, new notational methods, score reading and listening.

1664 MU212-1 MW 2:00pm - 3:15pm 15-week

MU218 - Choral Ensemble II (1)

Continuation of MU 117-118. Three rehearsal hours weekly.

1665 MU218-1C T 7:45pm - 10:20pm 15-week

MU220 - Jazz Ensemble II (1)

Prerequisite: MU 119 or MU 120

Continuation of MU 119-120. Three rehearsal hours weekly.

1666 MU220-1 M 5:00pm - 7:15pm 15-week

1667 MU220-2C W 7:45pm - 10:10pm 15-week

MU222 - Orchestral Ensemble II (1)

Prerequisite: MU 121 or MU 122

A continuation of MU 121-122. Three rehearsal hours weekly.

1668 MU222-1C TH 7:30pm - 10:00pm 15-week

MU224 - 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.

1669 MU224-1C W 6:30pm - 9:00pm 15-week

MU235 - Advanced Audio Production (3)

Prerequisite: MU 130; Prerequisite or Corequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72

Provides in-depth study and practical application of the tools and techniques used in professional audio recording in a variety of musical styles at a professional level. Includes advanced practical training in signal processing, mixing, and mastering. Additional topics include audio for video and product delivery.

1735 MU235-1 F 10:00am - 12:35pm 15-week

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.

2063 MU251-1C M 11:30am - 12:20pm 15-week

1670 MU251-2C W 12:30pm - 1:20pm 15-week

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.

2064 MU252-1C M 11:30am - 12:20pm 15-week

1671 MU252-2C W 12:30pm - 1:20pm 15-week

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
Paula Chipman – Voice.....301.846.2566.....pchipman@frederick.edu
Jonathan Cresci – Trumpet.....301.624.2844.....jcresci@frederick.edu
Jason Diggs – Violin/Viola.....410.812.2018.....jadiggs@frederick.edu
Lynn Fleming – Bass.....301.922.0398.....vfleming@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.....301.846.2642.....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

MU173 - First Year Piano (1)

1643 MU173-1 Wickelgren, John W 13-week

1644 MU173-2 Staininger, Lynn L 13-week

1645 MU173-3 Lee, Alice E 13-week

1646 MU173-4 Hyun, Suk Yi 13-week

2097 MU173-5 Loy, William D 13-week

MU175 - First Year Voice (1)

1647 MU175-1 Chipman, Paula F 13-week

1648 MU175-2 Loy, William D 13-week

1649 MU175-3 Gresock, Mary L 13-week

1650 MU175-4 Staininger, Lynn L 13-week

1651 MU175-5 Scroggins, Sterling E 13-week

MU179 - First Year Brass (1)

1652 MU179-1 Cresci, Jonathan B 13-week

1653 MU179-2 Lovely, Aaron P 13-week

MU181 - First Year Woodwinds (1)

1654 MU181-1 Rundlett, Jennifer D 13-week

1655 MU181-2 Armstrong, Laura D 13-week

2274 MU181-3 Burns, Howard 13-Week

MU183 - First Year Strings (1)

1656 MU183-1 Wilcox, Fred J 13-week

1657 MU183-2 Serrano Prada, Flor M 13-week

1658 MU183-3 Gonzalez, Adam D 13-week

1659 MU183-4 Fleming, Vivian L 13-week

2275 MU183-5 Diggs, Jason 13-Week

MU185 - First Year Guitar (1)

1660 MU185-1 Raitzyk, Michael S 13-week

1661 MU185-2 TBA 13-week

MU187 - First Year Percussion (1)

1662 MU187-1 Herron, Gregory L 13-week

MU273 - Second Year Piano (1)

1672 MU273-1 Wickelgren, John W 13-week

1673 MU273-2 Staininger, Lynn L 13-week

1674 MU273-3 Lee, Alice E 13-week

1675 MU273-4 Hyun, Suk Yi 13-week

MU275 - Second Year Voice (1)

1676 MU275-1 Chipman, Paula F 13-week

1677 MU275-2 Loy, William D 13-week

1678 MU275-3 Gresock, Mary L 13-week

1679 MU275-4 Staininger, Lynn L 13-week

1680 MU275-5 Scroggins, Sterling E 13-week

MU279 - Second Year Brass (1)

1681 MU279-1 Cresci, Jonathan B 13-week

1682 MU279-2 Lovely, Aaron P 13-week

MU281 - Second Year Woodwinds (1)

1683 MU281-1 Rundlett, Jennifer D 13-week

1684 MU281-2 Armstrong, Laura D 13-week

2276 MU281-3 Burns, Howard 13-Week

MU283 - Second Year Strings (1)

1685 MU283-1	Wilcox, Fred J	13-week
1686 MU283-2	Serrano Prada, Flor M	13-week
1687 MU283-3	Gonzalez, Adam D	13-week
1688 MU283-4	Fleming, Vivian L	13-week
2277 MU283-5	Diggs, Jason	13-Week

MU285 - Second Year Guitar (1)

1689 MU285-1	Raitzyk, Michael S	13-week
1690 MU285-2	TBA	13-week

MU287 - Second Year Percussion (1)

1691 MU287-1	Herron, Gregory L	13-week
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NM: Nuclear Medicine

NM226 - Computed Tomography Clinical Practicum (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Covers imaging of anatomic structures and pathology and recording the information needed to provide optimal examinations. Provides intensive, hands-on practice under the supervision of the clinical staff. Evaluation is based on clinical competency in all aspects of CT imaging procedures and patient care.

1843 NM226-1	M-F	8:00am - 4:30pm	15-week
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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.

2044 NU101-1LC	T	5:00pm - 8:00pm	15-week
1049 NU101-11LB	ASG		15-week

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

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.

1050 NU211-1LC	M	10:15am - 3:00pm	15-week
1051 NU211-2LC	W	10:15am - 3:00pm	15-week
1052 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.

1053 NU212-1LC	W	5:00pm - 7:00pm	15-week
1054 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.

1055 NU213-1LC	T	10:00am - 12:00pm	15-week
1056 NU213-2LC	TH	10:00am - 12:00pm	15-week
1057 NU213-11LB	ASG		15-week

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

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.

1058 NU214-1LC	M	8:00am - 10:00am	15-week
1812 NU214-2LC	W	8:00am - 10:00am	15-week
1059 NU214-11LB	ASG		15-week

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

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.

1060 NU216-1LC	T	1:00pm - 2:30pm	15-week
1061 NU216-2LC	TH	1:00pm - 2:30pm	15-week
1062 NU216-11LB	ASG		15-week

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

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.

2045 NU218-1LC	TH	5:00pm - 9:00pm	15-week
2078 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.

1281 PC103-1	MW	11:00am - 12:15pm	15-week
1282 PC103-2	TTH	2:00pm - 3:15pm	15-week
2136 PC103-HYB1	M	6:00pm - 7:30pm	1st 7-week
1283 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.

1284 PC104-ONL1	📺	ONLINE	15-week
2231 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.


1909 PC105-1	MW	12:30pm - 1:45pm	15-week
1285 PC105-2	W	6:00pm - 8:35pm	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.

1286 PC106-ONL1		ONLINE	15-week
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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.

1287 PC107-1LC	M	12:30pm - 3:05pm	15-week	
1288 PC107-11LB	W	12:30pm - 3:00pm	15-week	
2011 PC107-2LC	T	9:30am - 12:05pm	15-week	
2012 PC107-21LB	TH	9:30am - 12:00pm	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.*

1289 PC107-ONL1		ONLINE	15-week
2150 PC107-ONL2		ONLINE	15-week

PC108 - Historical 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)

Traces the history of the earth through time. Presents scientific theories on the origin of the earth and the evolution of life. Provides students with the tools to interpret the rock and fossil record with a focus on the geologic history of North America. Meets the requirement for a general education science lab course.

1290 PC108-1LC	MW	8:00am - 9:15am	15-week
1291 PC108-11LB	M	9:30am - 12:00pm	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.

1292 PC114-1LC	M	12:30pm - 3:05pm	15-week
1293 PC114-11LB	W	12:30pm - 3:00pm	15-week
1762 PC114-2LC	T	6:00pm - 8:35pm	15-week
1763 PC114-21LB	TH	6:00pm - 8:30pm	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.

1294 PC115-1LC	T	9:30am - 12:05pm	15-week
1295 PC115-11LB	TH	9:30am - 12:00pm	15-week

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

1296 PC115-ONL1		ONLINE	15-week
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PC121 - Energy 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)

Explores the nature and properties of energy. Emphasizes a scientific understanding of energy and its role in the global society. Examines current and alternative energy sources used to meet the needs of a growing and developing society. Some Friday or Saturday field trips.

1297 PC121-1	W	9:30am - 12:05pm	15-week
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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.

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.

2214 PE108-1	M	5:00pm - 7:00pm	2nd 7-week
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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.

1432 PE154-1	MW	11:00am - 12:15pm	15-week
1433 PE154-2	MW	12:30pm - 1:45pm	15-week
1434 PE154-3	TTH	9:30am - 10:45am	15-week
1435 PE154-4	TTH	11:00am - 12:15pm	15-week
1436 PE154-5	W	5:00pm - 7:35pm	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.

1822 PE160-1	W	1:00pm - 3:00pm	1st 7-week
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PE165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

1437 PE165-1	M	8:30am - 10:30am	1st 7-week
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PE166 - Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

1438 PE166-1	MW	11:00am - 12:00pm	1st 7-week
1439 PE166-2	M	2:00pm - 3:00pm	15-week
1440 PE166-3	W	2:00pm - 3:00pm	15-week
1441 PE166-4	M	5:00pm - 7:00pm	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.

1442 PE179-1 MW 11:00am - 12:00pm 2nd 7-week

Note: After first day, class will meet at the tennis courts. In the event of inclement weather, the 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.

1443 PE181-1 W 5:00pm - 7:00pm 2nd 7-week

Note: Course will meet on campus for first three weeks. For weeks 4 - 7, class will be 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).

PE183 - Beginning Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The beginner student will learn skills required to safely traverse the beginner slopes. Fees based on actual rental costs and to be paid at site.

1827 PE183-1C W 5:00pm - 7:35pm 1st 5-week

Note: This class is held in the Spring semester only. After the first day, class is held at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at site by the second class. Cash, check or credit card are accepted. For fee amounts, see the Ski Liberty website.

PE184 - Intermediate Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The intermediate student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

1828 PE184-1C W 5:00pm - 7:35pm 1st 5-week

Note: This class is held in the Spring semester only. After the first day, class is held at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at site by the second class. Cash, check or credit card are accepted. For fee amounts, see the Ski Liberty website.

PE185 - Advanced Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The advanced student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

1829 PE185-1C W 5:00pm - 7:35pm 1st 5-week

Note: This class is held in the Spring semester only. After the first day, class is held at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at site by the second class. Cash, check or credit card are accepted. For fee amounts, see the Ski Liberty website.

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.

2082 PE187-1 F 5:00pm - 7:00pm 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.

1444 PE188-1 M 9:30am - 12:00pm 15-week

1863 PE188-2 F 9:30am - 12:00pm 15-week

1445 PE188-HYB1 T 6:00pm - 8:30pm 1st 7-week

1446 PE188-HYB2 T 6:00pm - 8:35pm 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.

1447 PE190-1 TTH 9:30am - 10:45am 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.

2215 PE193-1 F 5:00pm - 7:00pm 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.

1448 PE195-1 TTH 2:00pm - 3:15pm 1st 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.

2112 PE196-1 F 11:00am - 1:00pm 2nd 7-week

Note: Clawss 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.

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.

1449 PE198C-1 TTH 12:30pm - 1:45pm 1st 7-week

PE236 - Coaching Principles (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 student with the knowledge to become an effective coach. Foundational areas of coaching are presented, including coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management. Coaching certification is possible through the American Sports Education Program.

1450 PE236-1 TTH 12:30pm - 1:45pm 15-week

Note: This class is held during the Spring semester only.

PE237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

1864 PE237-1 M 2:30pm - 4:30pm 2nd 7-week

1451 PE237-ONL1 📱 ONLINE 1st 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.

1452 PE241-1 TTH 11:00am - 12:15pm 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.

1453 PE247-1 TTH 11:00am - 12:15pm 1st 7-week

PE249 - Fitness Assessment and Business Practices (3)

Prerequisite: BI 103 or BI 107 or permission of instructor

Investigates the various modes and protocols used in fitness assessment and the relationship of assessment to the Personal Training business.

2080 PE249-1 TTH 2:00pm - 3:15pm 15-week

Note: This course is offered in the Spring semester only.

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.

1454 PE250-1 MW 9:30am - 10:45am 15-week

PE252 - Essentials of Personal Training (4)

Prerequisites: PE 241 and PE 247 or permission of instructor; Prerequisite or Corequisite: PE 249 or permission of instructor

Capstone course in the Personal Training Program that leads to the NASM Personal Trainer certification. Course combines 3-credit lecture and 2-credit lab.

1455 PE252-1LC TTH 5:00pm - 7:35pm 15-week

Note: This class is held in the Spring semester only. An additional fee of \$499 is collected at Registration for online resources and voucher to take certification exam.

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.

1692 PH101-1 MW 11:00am - 12:15pm 15-week

1693 PH101-2 TTH 2:00pm - 3:15pm 15-week

2113 PH101-3 MW 6:00pm - 8:35pm 2nd 8-week

1694 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.

1695 PH204-1C MW 9:30am - 10:45am 15-week

1696 PH204-2 MW 2:00pm - 3:15pm 15-week

1978 PH204-3 TH 6:00pm - 8:35pm 15-week

1697 PH204-ONL1 ONLINE 15-week

PH204H - 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.

2213 PH204H-1 MW 9:30am - 10:45am 15-week

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.

2185 PH205-1 TTH 9:30am - 10:45am 15-week

1698 PH205-2 TTH 12:30pm - 1:45pm 15-week

PH206 - Logic (3)

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.

1699 PH206-1 MW 12:30pm - 1:45pm 15-week

PH207 - Biomedical 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)

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.

1700 PH207-ONL1 ONLINE 15-week

PH208 - Business Ethics (3)

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

1701 PH208-ONL1 ONLINE 1st 8-week

PI: Political Science

PI104 - American Government: National (3)

Gen Ed Political Science

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.

1369 PI104-1 TTH 12:30pm - 1:45pm 15-week

2163 PI104-2 M 6:00pm - 8:30pm 15-week

1370 PI104-ONL1 ONLINE 15-week

PLAC: Prior Learning Assessment Course

PLAC101 - Prior Learning Assessment: Portfolio Development (1)

Prerequisite: EN 101

Examines and applies college-level learning gained from life experiences that align with specific courses offered by the college and are related to their educational goals. Students will document experiential learning through the assembling of various components into a portfolio, demonstrating an understanding of the portfolio development process of collecting, selecting, reflecting, and projecting. The Prior Learning Assessment (PLA) portfolio development course provides a series of structured activities and strategic approaches for students to prepare petitions to submit portfolios for credit from prior learning.

2271 PLAC101-1 T 8:00am - 10:30am 13-week

2270 PLAC101-2 W 5:00pm - 7:30pm 13-week

2091 PLAC101-ONL1 ONLINE 13-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.

1371 PS101-1	MW	8:00am - 9:15am	15-week	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
1372 PS101-2	MW	9:30am - 10:45am	15-week	
1373 PS101-3	MW	11:00am - 12:15pm	15-week	
1374 PS101-4	MW	12:30pm - 1:45pm	15-week	
1375 PS101-5	MW	2:00pm - 3:15pm	15-week	
1377 PS101-6	TTH	9:30am - 10:45am	15-week	
1378 PS101-7	TTH	11:00am - 12:15pm	15-week	
1379 PS101-8	TTH	12:30pm - 1:45pm	15-week	
1380 PS101-9	TTH	12:30pm - 1:45pm	15-week	
2015 PS101-10	TTH	2:00pm - 3:15pm	15-week	
2168 PS101-11	TTH	2:00pm - 3:15pm	15-week	
1381 PS101-12	TTH	3:30pm - 5:55pm	2nd 8-week	
2076 PS101-13	F	9:00am - 11:35am	15-week	
1382 PS101-14	TH	6:00pm - 8:35pm	15-week	
2169 PS101-HYB1	T	6:00pm - 7:15pm	1st 8-week	
1917 PS101-WE1	MW	12:30pm - 1:45pm	13-week	

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

1376 PS101-WE2 TTH 8:00am - 9:15am 13-week

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

1383 PS101-ONL1	📖	ONLINE	15-week
1384 PS101-ONL2	📖	ONLINE	13-week
1376 PS101-ONL3	📖	ONLINE	2nd 8-week

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

PS104 - Issues of Drug/Alcohol Use (3)

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.

1385 PS104-1 TTH 11:00am - 12:15pm 15-week

PS202 - Social Psychology (3)

Gen Ed Psychology

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.

1386 PS202-1	MW	9:30am - 10:45am	15-week
1387 PS202-2	TTH	2:00pm - 3:15pm	15-week
1388 PS202-ONL1	📖	ONLINE	15-week

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.

1391 PS206-1C	MW	9:30am - 10:45am	15-week
1862 PS206-2	MW	2:00pm - 4:25pm	2nd 8-week
1390 PS206-3	TTH	12:30pm - 1:45pm	15-week
1392 PS206-ONL1	📖	ONLINE	15-week

PS206H - 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.

1737 PS206H-1C MW 9:30am - 10:45am 15-week

PS207 - Death and Dying (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 the origins and development of death attitudes and behavior. Topics include euthanasia; suicide; grief and mourning processes; the funeral system; legal rights; and coping strategies. Emphasis on death as a normal developmental event.

1846 PS207-1 TTH 2:00pm - 3:15pm 15-week

PY: Physics

PY101 - Survey of Physics (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)

Gives students a general background in physics and prepares those who must take a two-semester physics course who have not had high school physics.

1911 PY101-1	MW	9:30am - 10:45am	15-week
1298 PY101-2	F	8:00am - 10:35am	15-week

PY202 - Fundamentals of Physics (4)

Gen Ed Science

Prerequisite: PY 201

Continues the study of basic principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics.

2137 PY202-1LC	W	6:00pm - 8:35pm	15-week	\$
2138 PY202-11LB	M	6:00pm - 8:30pm	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.

1299 PY203-1LC	M	9:30am - 12:05pm	15-week	\$
1300 PY203-11LB	W	9:30am - 12:00pm	15-week	\$
1301 PY203-2LC	TH	6:00pm - 8:35pm	15-week	\$
1302 PY203-21LB	T	6:00pm - 8:30pm	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.

1303 PY204-1LC	M	6:00pm - 8:35pm	15-week	\$
1304 PY204-11LB	W	6:00pm - 8:30pm	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

RC103 - Pharmacology (3)

Prerequisites: BI 104, RC 100, RC 102, RC 104

Introduces the various classifications of drugs, including drug action and effects, site of activity, recommended dosages and toxicity. Emphasis on anesthetics, bronchodilators, mucokinetics, cardiovascular agents and drugs affecting the nervous system as they apply to respiratory therapy.

1844 RC103-1 **W** **12:00pm - 2:30pm** **15-week**

RC105 - Cardiopulmonary and Renal Anatomy and Physiology (3)

Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory therapy.

1845 RC105-1 **W** **9:00am - 11:30am** **15-week**

RC107 - Principles of Mechanical Ventilation (4)

Explores general principles of gas physics, principles of airway management, intubation and the theory and operation of mechanical ventilators. Includes special problems associated with both short-term and long-term care of patients requiring artificial ventilation. Integrates arterial blood gas studies with course topics. The laboratory portion of the course takes the principles and procedures presented in lecture and apply them via procedure competency testing and simulated clinical situations.

1876 RC107-1LC **M** **9:00am - 11:30am** **15-week**

1877 RC107-11LB **M** **12:00pm - 1:30pm** **15-week**

1878 RC107-12LB **M** **1:45pm - 3:15pm** **15-week**

1930 RC107-13LB **M** **3:30pm - 4:45pm** **15-week**

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

RC109 - Clinical Practicum I (2)

Introduces the hospital environment and patient care, including patients charts and record-keeping. Includes practical experience in using basic respiratory therapy equipment and applying it to patient care. Students perform basic respiratory therapy modalities such as oxygen therapy, aerosol therapy, IPPB, incentive spirometry and chest physiotherapy and postural drainage.

1879 RC109-1 **TTH** **7:00am - 2:00pm** **15-week**

RC203 - Pulmonary Rehabilitation and Home Care (2)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Reviews all of the assessment skills, equipment, and interventions presented throughout the program, and applies them to the care of patients in alternative settings. Focus is on teaching patients to live with their diseases. A capstone course for the respiratory care program.

1880 RC203-1 **TH** **11:40am - 1:20pm** **15-week**

RC205 - Professional Seminar (2)

Prepares students for entry into clinical practice. Emphasizes preparation for the entry level and registry examinations given by the National Board for Respiratory Care. Provides familiarization with the prospective test matrices and uses both text and computer review materials. Reviews and discusses assigned current readings from various journals related to respiratory therapy.

1881 RC205-1 **TH** **9:30am - 11:10am** **15-week**

Note: An additional fee of \$325 is collected at Registration to cover the cost of the onsite Kettering Review Seminar.

RC207 - Cardiopulmonary and Renal Pathophysiology Review (3)

Examines the effects of various diseases upon the cardiopulmonary and renal systems. Discusses both acute and long-term aspects of ventilatory-circulatory impairment. Emphasis on diseases that cause insult to the respiratory system.

1882 RC207-1 **T** **9:00am - 11:30am** **15-week**

RC209 - Clinical Practicum IV (2)

Provides clinical experience in the pediatric/neonatal environment as well as advanced adult critical care. Students rotate through neonatal and pediatric intensive care units and gain practical experience with mechanical ventilator management and various therapeutic techniques for this patient population. Students also rotate through various adult critical care areas.

1883 RC209-1 **MW** **7:00am - 2:00pm** **15-week**

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.

1393 SO101-1 **MW** **9:30am - 10:45am** **15-week**

1394 SO101-2 **MW** **11:00am - 12:15pm** **15-week**

1395 SO101-3 **MW** **12:30pm - 1:45pm** **15-week**

1396 SO101-4 **MW** **2:00pm - 3:15pm** **15-week**

1397 SO101-5 **TTH** **11:00am - 12:15pm** **15-week**

1398 SO101-6 **TTH** **12:30pm - 1:45pm** **15-week**

2017 SO101-7 **TTH** **2:00pm - 3:15pm** **15-week**

1919 SO101-8 **M** **6:00pm - 8:30pm** **15-week**

1399 SO101-HYB1 **T** **6:00pm - 7:15pm** **2nd 7-week**

2016 SO101-WE1 **MW** **8:00am - 9:15am** **13-week**


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


1918 SO101-WE2 **TTH** **9:30am - 10:45am** **13-week**

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

2154 SO101-WE3 **TTH** **12:30pm - 1:45pm** **13-week**

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

1400 SO101-ONL1  **ONLINE** **15-week**

1809 SO101-ONL2  **ONLINE** **13-week**

2104 SO101-ONL3  **ONLINE** **2nd 8-week**

SO102 - Social Problems (3)


Gen Ed Sociology; Cultural Competence

Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

1920 SO102-1 **MW** **9:30am - 10:45am** **15-week**

1401 SO102-2 **TTH** **2:00pm - 3:15pm** **15-week**

1402 SO102-3 **F** **9:00am - 11:35am** **15-week**


1403 SO102-ONL1  **ONLINE** **15-week**

SO201 - Criminology (3)

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

1404 SO201-1 **TTH** **2:00pm - 3:15pm** **15-week**

1405 SO201-2 **TH** **6:00pm - 8:35pm** **15-week**

1406 SO201-ONL1  **ONLINE** **13-week**

SO202 - Families and Society (3)

Presents a comparative analysis of family organization in different societies, with reference to the urban family of Western society. Explores basic causes of change and trends in family structure and function. Topics include mate selections, marriage vows, marital prediction and child-rearing practices.

2164 SO202-1 **MW** **2:00pm - 3:15pm** **15-week**




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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.

2061 SO210-ONL1  ONLINE 15-week

SO212 - Gender and Society (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 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.

2077 SO212-1 TTH 9:30am - 10:45am 15-week
2155 SO212-HYB1 M 7:45pm - 9:00pm 15-week

ST: Surgical Technology

ST120 - Surgery Essentials (3)

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.

1464 ST120-1LC SAT 8:00am - 11:00am 1st 5-week
2019 ST120-11LB WTH 10:00am - 1:00pm 1st 5-week
2226 ST120-12LB WTH 2:00pm - 5:00pm 1st 5-week
2227 ST120-13LB SAT 12:00pm - 3:00pm 1st 5-week

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

Note: An additional fee of \$425 is collected at Registration to cover the cost of lab supplies.

ST100 - Fundamentals of Surgical Technology I (6)

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.

1460 ST100-1LC SAT 8:00am - 11:00am 2nd 10-week
1461 ST100-11LB WTH 6:45am - 3:00pm 2nd 10-week
1462 ST100-12LB WTH 10:00am - 1:00pm 2nd 10-week
2225 ST100-13LB WTH 2:00pm - 5:00pm 2nd 10-week
2224 ST100-14LB SAT 12:00pm - 3:00pm 2nd 10-week

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

Note: An additional fee of \$100 is collected at Registration to cover the cost of drug testing and fingerprinting.

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.

1463 ST101-1LC T 12:00pm - 7:00pm 2nd 10-week

ST105 - Clinical Practicum (5)

Prerequisite: ST 100

Develops surgical technology concepts, attitudes, and skills needed by students to perform as professional members of a surgical team. Demonstration of proficiency is essential during the perioperative phases of surgical procedures.

2021 ST105-1LC M 9:00am - 1:00pm 1st 5-week
2022 ST105-11LB WTH 6:45am - 3:00pm 1st 5-week

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

ST200 - Fundamentals of Surgical Technology II (12)

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. Preceptor clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

1465 ST200-1LC M 9:00am - 1:00pm 2nd 10-week
1466 ST200-11LB WTH 6:45am - 3:00pm March 4 - April 27, 2019
2020 ST200-12LB WTH 9:00am - 12:00pm April 29 - May 17, 2019

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

Note: An additional fee of \$250 is collected at Registration to cover the cost of certification examination.

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.

1703 THR101-1 TTH 11:00am - 12:15pm 15-week

THR102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

1704 THR102-1 MW 12:30pm - 1:45pm 15-week

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.

2229 THR107-1C TTH 12:30pm - 1:45pm 15-week

THR108 - Theatre Ensemble I (3)

Provides students with an opportunity to explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and learn team building skills. The course will use multidisciplinary research skills on topics that are important to the class to bring a vibrant theatre piece with a strong community focus.

1705 THR108-1C MW 2:00pm - 3:15pm 15-week

THR203 - Fundamentals of Directing (3)

Addresses problems in playwriting, directing and acting. Students work on scenes and/or one-act plays.

1706 THR203-1C TTH 2:00pm - 3:15pm 15-week

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.

1707 THR204-1 TBA 15-week

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.

1708 THR205-1 TBA 15-week

THR206 - Advanced Acting (3)

Concentrates on characterization and dramatic improvisation.

1709 THR206-1C TTH 2:00pm - 3:15pm 15-week

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.

2230 THR207-1C TTH 12:30pm - 1:45pm 15-week

THR208 - Theatre Ensemble II (3)

Prerequisite: THR 108

Explores advanced methods and execution of creating, rehearsing, and producing a piece of theatre through creativity, critical thinking, and team building skills. The course will use advanced multi-disciplinary research skills on topics deemed socially relevant by the class and through improvisation, script writing, and other play creation techniques, the class will present a vibrant theatre piece with a strong community focus.

1784 THR208-1C MW 2:00pm - 3:15pm 15-week

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.

1808 THR212-1 TBA 15-week



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DARLINE GILSON & BRIANA THEZARD
Vision 1804 Founders

March 20
CHARLIE SMITH
State's Attorney for Frederick County

April 10
JAMES HATCH
Cybersecurity and Technology Professor

frederick.edu/moving-mountains

Attend three sessions and receive a certificate
of leadership and participation.

"Get the most out of life, so life can get the most out of you."



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 7 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: <http://frederick.blackboard.com>. User name Wxxxxxxx (where xxxxxx is the seven digit student ID number); first time login password is first 2 letters of last name and last five digits of Student ID number. If one does not work, try the other.

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 third day of courses.

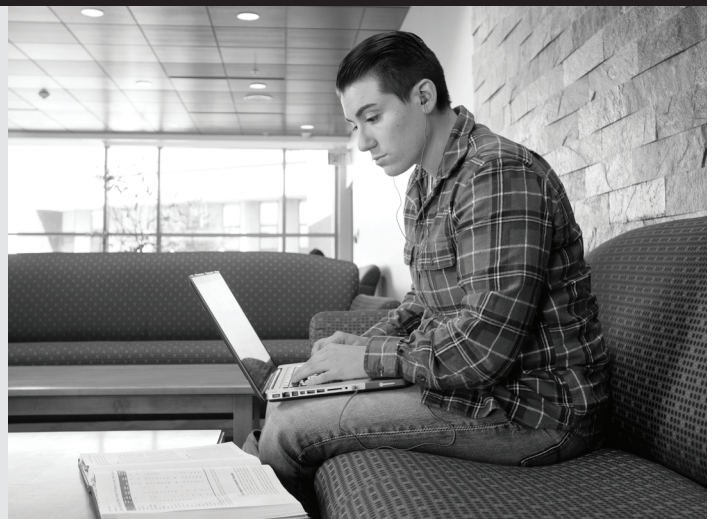
Online and Hybrid Orientation

**Broadcast live online
January 24 at 7:00 p.m.**

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.



2019



SPRING 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 appropriate College-available computers. Online coursework 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)

1072 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)

1078 ACCT102-ONL1 🖱 ONLINE 15-week \$

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

AN: Anthropology

AN101 - Introduction to Anthropology (3)

1307 AN101-ONL1 🖱 ONLINE 15-week

2106 AN101-ONL2 🖱 ONLINE 15-week

AR: Art

AR100 - Introduction to the Creative Arts (3)

1523 AR100-ONL1 🖱 ONLINE 15-week

2108 AR100-ONL2 🖱 ONLINE 2nd 8-week

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

1942 AR104-ONL2 🖱 ONLINE 13-week

ASLS: American Sign Language Studies

ASLS106 - Introduction to Deaf Community and History (3)

1564 ASLS106-ONL1 🖱 ONLINE 15-week

BI: Biological Science

BI117 - Study of the Human Body (3)

2002 BI117-ONL1 🖱 ONLINE 13-week

BI130 - Forensic Biology (4)

1756 BI130-ONL1 🖱 ONLINE 13-week

BI140 - Biotechnology and Society (3)

2007 BI140-ONL1 🖱 ONLINE 15-week

BI202 - Human Ecology (3)

2148 BI202-ONL1 🖱 ONLINE 15-week

2233 BI202-ONL2 🖱 ONLINE 13-week

BU: Business Studies

BU103 - Introduction to Business (3)

2055 BU103-ONL1 🖱 ONLINE 15-week \$

1088 BU103-ONL2 🖱 ONLINE 1st 7-week \$\$\$

2260 BU103-ONL3 🖱 ONLINE 2nd 10-week \$\$\$

1722 BU103-ONL4 🖱 ONLINE 2nd 7-week \$\$\$

2259 BU103-ONL5 🖱 ONLINE 2nd 7-week \$\$\$

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

BU109 - Entrepreneurship & Small Business Enterprise (3)

1729 BU109-ONL1 🖱 ONLINE 15-week \$

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

BU110 - Personal Financial Management (3)

1090 BU110-ONL1 🖱 ONLINE 15-week \$

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

BU211 - Business Law I (3)

1092 BU211-ONL1 🖱 ONLINE 15-week \$

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

BU221 - Public Relations (3)

2042 BU221-ONL1 🖱 ONLINE 2nd 10-week \$

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

BU223 - Human Resource Management (3)

2232 BU223-ONL1 🖱 ONLINE 15-week \$

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

BU225 - Marketing (3)

1095 BU225-ONL1 🖱 ONLINE 2nd 10-week \$

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

BU227 - Principles of Management (3)

1097 BU227-ONL1 🖱 ONLINE 15-week \$

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

BU273 - Business Communications (3)

1098 BU273-ONL1 🖱 ONLINE 2nd 10-week \$

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

BU274 - Customer Relations (3)

1099 BU274-ONL1 🖱 ONLINE 2nd 7-week \$

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

BU275 - Fundamentals of Leadership (3)

1100 BU275-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)

1101 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)

1002 BU/MA205-ONL1  ONLINE 15-week

CH: Chemistry

CH101 - General Chemistry (4)


2149 CH101-ONL1  ONLINE 15-week

1269 CH101-ONL2  ONLINE 13-week

Note: CH101 in the online format is very intense. Completion of high school chemistry and a strong science background is recommended. Student should be prepared to work hard to do well in this class.

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

1113 CIS101-ONL1  ONLINE 15-week

2094 CIS101-ONL2  ONLINE 1st 7-week


2024 CIS101-ONL3  ONLINE 13-week

1114 CIS101-ONL4  ONLINE 2nd 10-week

1115 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)

1872 CIS106-ONL1  ONLINE 13-week

2193 CIS106-ONL2  ONLINE 2nd 10-week

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

CIS111E - Microcomputer Software Applications: Spreadsheets (3)


1123 CIS111E-ONL1  ONLINE 13-week

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

CIS111L - UNIX/Linux Operating System (3)

1873 CIS111L-ONL1  ONLINE 2nd 10-week

CIS111M - PC Operating Systems (3)

1127 CIS111M-ONL1  ONLINE 13-week

Note: Students must register for both CIS111M-ONL1 and CIS212-ONL1.

CIS111R - Business Software Applications (3)

1128 CIS111R-ONL1  ONLINE 2nd 8-week

CIS111T - Digital Marketing (3)

2280 CIS111T-ONL1  ONLINE 2nd 8-week

CIS117 - Data Science Essentials (3)

2167 CIS117-ONL1  ONLINE 2nd 7-week


CIS118 - Data Analytics Using Spreadsheets (3)

2170 CIS118-ONL1  ONLINE 2nd 8-week

CIS170 - Security Fundamentals (3)

1875 CIS170-ONL1  ONLINE 2nd 8-week


CIS179 - Cybersecurity Fundamentals (3)

1807 CIS179-ONL1  ONLINE 1st 7-week


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

2171 CIS179-ONL2  ONLINE 2nd 8-week

CIS180 - Networking Fundamentals (3)

1724 CIS180-ONL1  ONLINE 1st 7-week

CIS192 - Cisco 3 Switching Technologies (3)

1138 CIS192-ONL1  ONLINE 1st 7-week

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

CIS193 - Cisco 4 WAN Technologies (3)

1139 CIS193-ONL1  ONLINE 2nd 7-week

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

CIS200 - IT Support Services (3)

2048 CIS200-ONL1  ONLINE 2nd 7-week

CIS203 - Systems Analysis & Design (3)

1144 CIS203-ONL1  ONLINE 1st 10-week


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

CIS204 - Computer & Information Sciences Project (3)

1145 CIS204-ONL1  ONLINE 2nd 10-week

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

CIS212 - PC Repair & Diagnostics (3)

1148 CIS212-ONL1  ONLINE 13-week

Note: Students must register for both CIS212-ONL1 and CIS111M-ONL1.

CIS217 - Cybercrime and Digital Forensics Investigation (3)

1150 CIS217-ONL1  ONLINE 2nd 10-week

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

CIS218 - Information Security & Assurance (3)

1726 CIS218-ONL1  ONLINE 2nd 10-week

CIS219 - Ethical Hacking and Systems Defense (3)

1887 CIS219-ONL1  ONLINE 2nd 10-week

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


CIS223 - Cloud Security (3)

1727 CIS223-ONL1  ONLINE 2nd 10-week


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

CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)


1309 CJ101-ONL1  ONLINE 13-week

CJ214 - The Correctional Process (3)

2038 CJ214-ONL1  ONLINE 13-week


CMM: Communications Media


CMM101 - Introduction to Electronic Media (3)

2070 CMM101-ONL1  ONLINE 13-week

2251 CMM101-ONL2  ONLINE 2nd 8-week


CMM103 - Introduction to Film (3)

1569 CMM103-ONL1  ONLINE 1st 8-week

1806 CMM103-ONL2  ONLINE 2nd 8-week

CMSP: Communications Speech

CMSP103 - Speech Fundamentals (3)

1595 CMSP103-ONL1  ONLINE 15-week

Note: Mandatory on-campus class meetings: Wednesday, 2/7, 3/7, 4/4, and 5/2, 6-9pm

CMSP107 - Career Communication (3)


1609 CMSP107-ONL1  ONLINE 15-week

Note: Mandatory on-campus session: Saturday, 4/7, 8:30am-12:30pm

Incident weather makeup day: Saturday, 4/14, 8:30am-12:30pm


CON: Construction Management

CON101 - Construction Management (3)

1156 CON101-ONL1  ONLINE 15-week

EC: Economics

EC201 - Principles of Economics (3)

1163 EC201-ONL1  ONLINE 15-week

1728 EC201-ONL2  ONLINE 1st 7-week

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

EC202 - Principles of Economics (3)

1169 EC202-ONL1  ONLINE 2nd 10-week

2200 EC202-ONL2  ONLINE 2nd 7-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)

1315 ECD101-ONL1  ONLINE 15-week

ECD212 - Administration of Child Development Centers (3)

1318 ECD212-ONL1  ONLINE 2nd 7-week

ECD213 - Understanding and Guiding the Young Child's Behavior (3)


2158 ECD213-ONL1  ONLINE 1st 7-week

ECD230 - Language & Literacy Development in Early Childhood (3)


1738 ECD230-ONL1  ONLINE 1st 8-week

ED: Education


ED100 - Child Development & Behavior (3)

1817 ED100-ONL1  ONLINE 15-week


ED102 - Schools and Society (3)

1323 ED102-ONL1  ONLINE 15-week


ED202 - Educational Psychology (3)

1325 ED202-ONL1  ONLINE 15-week

ED203 - Foundations of Special Education (3)


1327 ED203-ONL1  ONLINE 15-week


ED214 - Processes and Acquisition of Reading (3)

1329 ED214-ONL1  ONLINE 15-week

ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)


1336 ED/PS208-ONL1  ONLINE 15-week

2105 ED/PS208-ONL2  ONLINE 15-week


1337 ED/PS208-ONL3  ONLINE 2nd 8-week

EM: Emergency Management


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

2209 EM101-ONL1  ONLINE 15-week


EM104 - Disaster Response and Recovery (3)

1859 EM104-ONL1  ONLINE 15-week


EM106 - Hazard, Risk, and Mitigation (3)

1987 EM106-ONL1  ONLINE 15-week


EM110 - Federal Emergency Management (3)

1988 EM110-ONL1  ONLINE 15-week


EM111 - Preparing and Securing the Homeland (3)

2246 EM111-ONL1  ONLINE 15-week

EM201 - Public Safety GIS and Technology (3)

2089 EM201-ONL1  ONLINE 15-week


EM220 - Emergency Management Planning (3)

2247 EM220-ONL1  ONLINE 15-week


EN: English

EN101 - English Composition (3)

1485 EN101-ONL1  ONLINE 15-week


1486 EN101-ONL2  ONLINE 15-week


1487 EN101-ONL3  ONLINE 1st 8-week

1488 EN101-ONL4  ONLINE 2nd 8-week


Note: open to all students who meet the requirements of EN 101 irrespective of students' major, but students in business-related programs are encouraged to enroll.

EN102 - English Composition and Literature (3)


1511 EN102-ONL1  ONLINE 15-week

1512 EN102-ONL2  ONLINE 15-week

2252 EN102-ONL3  ONLINE 1st 8-week

2107 EN102-ONL4  ONLINE 2nd 8-week

EN216 - The Short Story (3)


1516 EN216-ONL1  ONLINE 15-week



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GG: Geography

GG102 - Cultural Geography (3)

1341 GG102-ONL1  ONLINE 15-week

HE: Health Education



HE102 - Nutrition in a Changing World (3)

1413 HE102-ONL1  ONLINE 15-week
1414 HE102-ONL2  ONLINE 15-week
1415 HE102-ONL3  ONLINE 1st 8-week
1416 HE102-ONL4  ONLINE 2nd 8-week

HE110 - Nutrition Basics (1)

1418 HE110-ONL1  ONLINE 1st 7-week

HE201 - Stress Management (3)

1426 HE201-ONL1  ONLINE 15-week
1427 HE201-ONL2  ONLINE 15-week

HE204 - Health Education (3)


1431 HE204-ONL1  ONLINE 15-week
2263 HE204-ONL2  ONLINE 15-week

HI: History

HI102 - History of Western Civilization (3)

2014 HI102-ONL1  ONLINE 15-week

HI201 - History of the United States (3)

1348 HI201-ONL1  ONLINE 15-week

HI202 - History of the United States (3)

1834 HI202-ONL1  ONLINE 2nd 8-week

HOS: Hospitality Culinary Tourism

HOS121 - Sanitation and Food Safety (1)

2086 HOS121-ONL1  ONLINE 1st 5-week

HS: Human Services

HS102 - Human Relations (3)


1361 HS102-ONL1  ONLINE 15-week
1359 HS102-ONL2  ONLINE 2nd 8-week

HS205 - Fundamentals of Addictions (3)


2098 HS205-ONL1  ONLINE 15-week

LA: Paralegal


LA103 - Ethics for the Legal Professional (3)

2043 LA103-ONL1  ONLINE 15-week

LA104 - Contracts (3)

2282 LA104-ONL1  ONLINE 15-week

LA105 - Torts (3)


1366 LA105-ONL1  ONLINE 15-week

LA106 - Technology for the Legal Profession (3)

1936 LA106-ONL1  ONLINE 2nd 7-week


LS: Spanish

LS101 - Introductory Spanish I (3)

1618 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)


1620 LS102-ONL1  ONLINE 15-week

MA: Mathematics


MA83 - Educator Preparation in Mathematics (0) [2]

2237 MA83-ONL1  ONLINE 15-week


MA103 - Foundations of Mathematics (3)

1007 MA103-ONL1  ONLINE 15-week


MA111 - Precalculus (4)

1015 MA111-ONL1  ONLINE 15-week


MA130 - College Algebra (3)


1020 MA130-ONL1  ONLINE 13-week

MA201 - Applied Calculus (3)


1833 MA201-ONL1  ONLINE 15-week

MA206 - Statistics (3)

1028 MA206-ONL1  ONLINE 15-week

1943 MA206-ONL2  ONLINE 13-week

MA210 - Calculus I (4)

1035 MA210-ONL1  ONLINE 15-week


MA214 - Introduction to MATLAB (1)

1842 MA214-ONL1  ONLINE 1st 8-week


MDA: Medical Assisting


MDA108 - Basic Medical Terminology (1)


1935 MDA108-ONL1  ONLINE 1st 7-week

1173 MDA108-ONL2  ONLINE 2nd 7-week


MDA109 - Medical Terminology (3)

1176 MDA109-ONL1  ONLINE 15-week

2219 MDA109-ONL2  ONLINE 1st 7-week

1810 MDA109-ONL3  ONLINE 2nd 7-week


MDA110 - Pharmacology for Medical Office Practice (3)

1177 MDA110-ONL1  ONLINE 1st 7-week

MDA112 - Medical/Administrative Office Applications (3)

1178 MDA112-ONL1  ONLINE 2nd 7-week

MDA216 - Medical Coding Basics (3)

1857 MDA216-ONL1  ONLINE 15-week

MDA218 - Health Insurance Billing and Reimbursement (3)


1858 MDA218-ONL1  ONLINE 1st 7-week

MDA220 - Electronic Health Records (3)

1181 MDA220-ONL1  ONLINE 1st 7-week


1182 MDA220-ONL2  ONLINE 2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

2223 MDA222-ONL1  ONLINE 15-week

MU: Music


MU101 - Introduction to Music History and Appreciation (3)

1622 MU101-ONL1  ONLINE 15-week

MU103 - Fundamentals of Music (3)


2257 MU103-ONL1  ONLINE 2nd 8-week

MU109 - History of American Popular Music (3)


2258 MU109-ONL1  ONLINE 15-week

PC: Physical Science

PC103 - Survey of Physical Science (3)


1283 PC103-ONL1  ONLINE 15-week

PC104 - The Water Planet: Introduction to Oceanography (3)


1284 PC104-ONL1  ONLINE 15-week


2231 PC104-ONL2  ONLINE 2nd 8-week

PC106 - Introduction to Meteorology (4)


1286 PC106-ONL1  ONLINE 15-week

PC107 - Introductory Astronomy (4)

1289 PC107-ONL1  ONLINE 15-week

2150 PC107-ONL2  ONLINE 15-week

PC115 - Introduction to Earth Systems Science (4)

1296 PC115-ONL1  ONLINE 15-week

PE: Physical Education

PE237 - Exercise Psychology (1)


1451 PE237-ONL1  ONLINE 1st 7-week

PH: Philosophy


PH101 - Introduction to Philosophy (3)

1694 PH101-ONL1  ONLINE 2nd 8-week

PH204 - World Religions (3)

1697 PH204-ONL1  ONLINE 15-week

PH207 - Biomedical Ethics (3)

1700 PH207-ONL1  ONLINE 15-week

PH208 - Business Ethics (3)

1701 PH208-ONL1  ONLINE 1st 8-week

PI: Political Science


PI104 - American Government: National (3)

1370 PI104-ONL1  ONLINE 15-week

PS: Psychology


PS101 - General Psychology (3)

1383 PS101-ONL1  ONLINE 15-week


1384 PS101-ONL2  ONLINE 13-week

1736 PS101-ONL3  ONLINE 2nd 8-week

PS202 - Social Psychology (3)


1388 PS202-ONL1  ONLINE 15-week


PS206 - Abnormal Psychology (3)

1392 PS206-ONL1  ONLINE 15-week

SO: Sociology


SO101 - Introduction to Sociology (3)

1400 SO101-ONL1  ONLINE 15-week


1809 SO101-ONL2  ONLINE 13-week

2104 SO101-ONL3  ONLINE 2nd 8-week


SO102 - Social Problems (3)

1403 SO102-ONL1  ONLINE 15-week

SO201 - Criminology (3)

1406 SO201-ONL1  ONLINE 13-week

SO210 - Ethnic Diversity (3)

2061 SO210-ONL1  ONLINE 15-week



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2019

SPRING Hybrid Courses

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See complete course descriptions and prerequisites and/or corequisites in the main course section of this schedule.

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ACCT: Accounting

ACCT100 - Business Accounting (3)

1064 ACCT100-HYB1 SAT 8:30am - 12:00pm 1st 7-week Saturday 💰

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

ACCT101 - Principles of Accounting I (3)

1071 ACCT101-HYB1 T 6:00pm - 8:35pm 1st 7-week 💰

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

ACCT102 - Principles of Accounting II (3)

1077 ACCT102-HYB1 T 6:00pm - 8:35pm 2nd 7-week 💰

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

ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)

1079 ACCT111-HYB1 SAT 9:00am - 12:00pm 2nd 7-week Saturday

Note: On-campus sessions: first and last Saturday only; 03/24 and 05/12; Students advised to purchase book with software from FCC Bookstore.

ACCT202 - Intermediate Accounting II (4)

1081 ACCT202-HYB1 M 5:00pm - 7:05pm 15-week

ACCT214 - Auditing (3)

2201 ACCT214-HYB1 W 5:00pm - 6:30pm 15-week

ACCT233 - Applied Accounting (3)

2018 ACCT233-HYB1 T 5:00pm - 6:15pm 15-week

ACE: Academic and Career Engagement

ACE110 - Career Assessment and Planning (3)

1766 ACE110-HYB1 TH 12:30pm - 1:45pm 15-week

ACE111A - Choosing a Major or Career (1)

2217 ACE111A-HYB1 T 12:30pm - 1:15pm 1st 8-week

2218 ACE111A-HYB2 T 12:30pm - 1:30pm 2nd 7-week

ASLS: American Sign Language Studies

ASLS106 - Introduction to Deaf Community and History (3)

2110 ASLS106-HYB1 W 6:00pm - 7:15pm 13-week

ASLS206 - American Deaf Culture (3)

1565 ASLS206-HYB1 TH 6:00pm - 7:15pm 15-week

BI: Biological Science

BI100 - Fundamental Concepts of Biology (4)

1197 BI100-HYBC 📺 ONLINE 15-week

1198 BI100-HYBB T 11:00am - 1:30pm 15-week

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

BI103 - Anatomy and Physiology (4)

1998 BI103-HYBC 📺 ONLINE 15-week

1999 BI103-HYBB T 9:30am - 12:00pm 15-week

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

BI104 - Anatomy and Physiology (4)

1754 BI104-HYBC 📺 ONLINE 15-week

1755 BI104-HYBB TH 12:30pm - 3:00pm 15-week

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

BI130 - Forensic Biology (4)

1245 BI130-HYBC 📺 ONLINE 15-week

1246 BI130-HYBB W 12:30pm - 3:00pm 15-week

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

BI220 - Cell Biology and Tissue Culture (4)

1835 BI220-HYBC 📺 ONLINE 15-week

1836 BI220-HYBB T 6:00pm - 8:30pm 15-week

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

BLD: Building Trades

BLD109 - Fundamentals of HVACR (4)

1042 BLD109-HYB1 TTH 6:00pm - 9:00pm 1st 7-week

Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

BLD110 - Controls for HVACR (3)

1043 BLD110-HYB1 TTH 6:00pm - 8:30pm 2nd 7-week

BLD113 - HVAC Installation & Troubleshooting (3)

1044 BLD113-HYB1 MW 6:00pm - 8:30pm 1st 7-week

BLD114 - Fossil Fuels & Hydronic Heating (3)

1045 BLD114-HYB1 MW 6:00pm - 8:30pm 2nd 7-week

BLD141 - Fundamentals of Structural Wiring (4)

1716 BLD141-HYB1 MW 6:00pm - 9:00pm 1st 7-week

BLD142 - Residential Electric (3)

1821 BLD142-HYB1 MW 6:00pm - 8:30pm 2nd 7-week

BLD145 - Commercial Electric (3)

1047 BLD145-HYB1 TTH 6:00pm - 8:30pm 1st 7-week

BLD146 - Specialized Systems (3)

1048 BLD146-HYB1 TTH 6:00pm - 8:30pm 2nd 7-week

BPM: Bioprocessing Technology

BPM110 - Bioprocessing Measurements (4)

1848 BPM110-HYBC	📱	ONLINE	2nd 7-week
1849 BPM110-HYBB	MW	4:30pm - 7:00pm	2nd 7-week

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

BU: Business Studies

BU103 - Introduction to Business (3)

2205 BU103-HYB1	M	9:30am - 10:45am	15-week	💰
2056 BU103-HYB2	M	12:30pm - 1:45pm	15-week	💰
2206 BU103-HYB3	TH	9:30am - 10:45am	15-week	💰
1085 BU103-HYB4	TH	12:30pm - 1:45pm	15-week	💰
1087 BU103-HYB5	F	9:30am - 12:30pm	2nd 7-week	💰
1986 BU103-HYB6	T	6:00pm - 9:00pm	2nd 7-week	💰

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

BU109 - Entrepreneurship & Small Business Enterprise (3)

1089 BU109-HYB1	TH	11:00am - 12:15pm	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)

1091 BU211-HYB1	T	11:00am - 12:15pm	15-week	💰
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💰 No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU225 - Marketing (3)

1094 BU225-HYB1	T	11:00am - 12:15pm	15-week	💰
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💰 No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU227 - Principles of Management (3)

1096 BU227-HYB1	W	11:00am - 12:15pm	15-week	💰
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💰 No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU290 - Project Management (3)

1866 BU290-HYB1	TH	5:00pm - 8:00pm	2nd 7-week	💰
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Note: No/Low Cost Course Section: The textbook costs for this course are under \$40.

BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3)

2103 BU/MA205-HYB1	M	12:30pm - 1:45pm	15-week
1991 BU/MA205-HYB2	M	6:00pm - 8:35pm	1st 8-week

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

1102 CAD101-HYB1	TH	5:00pm - 8:00pm	1st 7-week
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CAD102 - Introduction to AutoCAD II (3)

1103 CAD102-HYB1	M	5:00pm - 8:00pm	2nd 7-week
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CAD130 - Introduction to Revit (BIM) (3)

1104 CAD130-HYB1	TH	5:00pm - 8:00pm	2nd 7-week
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CAD200 - Introduction to Architectural Drawing and Design (3)

1989 CAD200-HYB1	W	5:00pm - 8:00pm	1st 7-week
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CAD201 - Residential Architecture I (4)

2202 CAD201-HYB1	W	5:00pm - 8:45pm	1st 7-week
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CAD202 - Residential Architecture II (4)

1990 CAD202-HYB1	W	5:00pm - 8:45pm	2nd 7-week
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CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

1105 CIS101-HYB1	M	12:30pm - 1:45pm	2nd 10-week	💰
2204 CIS101-HYB2	F	10:00am - 11:55am	2nd 8-week	💰
1111 CIS101-HYB3	M	5:15pm - 7:00pm	13-week	💰
1112 CIS101-HYB4	W	6:00pm - 8:00pm	2nd 8-week	💰

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

CIS106 - Object Design and Programming (3)

2245 CIS106-HYB1	SAT	9:30am - 11:55am	2nd 10-week	💰
1122 CIS106-HYB2	T	5:15pm - 7:00pm	13-week	💰
1121 CIS106-HYB3	TH	5:15pm - 7:00pm	13-week	💰

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

CIS107 - Introduction to Programming (2)

2025 CIS107-HYB1	T	2:30pm - 3:45pm	2nd 8-week
2165 CIS107-HYB2	W	5:15pm - 6:45pm	2nd 7-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)

1921 CIS111E-HYB1	M	5:15pm - 6:45pm	2nd 8-week	💰
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💰 No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS111L - UNIX/Linux Operating System (3)

2166 CIS111L-HYB1	TH	12:00pm - 1:45pm	13-week
1124 CIS111L-HYB2	W	7:15pm - 8:30pm	15-week

CIS111M - PC Operating Systems (3)

1125 CIS111M-HY1L	M	2:30pm - 3:45pm	15-week
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Note: Students must register for both CIS111M-HY1L and CIS212-HY1L.

1874 CIS111M-HY2L	W	9:25am - 10:50am	1st 10-week
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Note: Students must register for both CIS111M-HY2L and CIS212-HY2L.

1126 CIS111M-HY3L	T	5:00pm - 6:15pm	15-week
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Note: Students must register for both CIS111M-HY3L and CIS212-HY3L.

CIS111S - Social Media Tools (3)

2279 CIS111S-HYB1	T	5:00pm-6:30pm	2nd 8-week
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CIS119 - Statistical Analysis System (SAS) (3)

2272 CIS119-HYB1	T	7:15pm - 8:45pm	2nd 10-week
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CIS140 - Java Programming (3)

1129 CIS140-HYB1	TH	7:15pm - 9:00pm	2nd 10-week
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CIS170 - Security Fundamentals (3)

1130 CIS170-HYB1	W	9:30am - 11:45am	2nd 8-week
1131 CIS170-HYB2	T	6:45pm - 9:00pm	2nd 8-week

CIS175 - Game Theory and Design (3)

1772 CIS175-HYB1	T	5:15pm - 6:45pm	1st 5-week
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CIS176 - Game Creation (3)

1773 CIS176-HYB1	T	5:15pm - 6:45pm	2nd 10-week
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CIS177 - Interactive 3D Technology (3)

1922 CIS177-HYB1	T	2:00pm - 4:30pm	1st 7-week
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CIS178 - 3D Modeling and Animation (3)

1923 CIS178-HYB1	T	2:00pm - 4:30pm	2nd 8-week	💰
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💰 No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS179 - Cybersecurity Fundamentals (3)

1132 CIS179-HYB1	W	12:30pm - 1:45pm	1st 10-week
1133 CIS179-HYB2	M	5:15pm - 6:45pm	13-week

CIS180 - Networking Fundamentals (3)

1134 CIS180-HYB1	W	9:30am - 11:45am	1st 7-week
1135 CIS180-HYB2	T	6:45pm - 9:00pm	1st 7-week

CIS190 - Cisco 1 Network Fundamentals (3)

1136 CIS190-HYB1	M	5:00pm - 7:30pm	1st 7-week
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CIS191 - Cisco 2 Routing Technologies (3)

1137 CIS191-HYB1	M	5:00pm - 7:30pm	2nd 7-week
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CIS201 - Computer Science I (4)

1140 CIS201-HYB1	TH	2:00pm - 3:45pm	15-week
1141 CIS201-HYB2	W	5:15pm - 7:00pm	15-week

CIS202 - Computer Science II (4)

1142 CIS202-HYB1	TH	5:15pm - 7:00pm	15-week
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CIS203 - Systems Analysis & Design (3)

1143 CIS203-HYB1	W	2:00pm - 3:15pm	13-week
1945 CIS203-HYB2	W	5:30pm - 6:45pm	13-week

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

CIS208 - C++ Programming (3)

1725 CIS208-HYB1	M	5:15pm - 8:15pm	2nd 10-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS212 - PC Repair & Diagnostics (3)

1146 CIS212-HY1L	M	3:45pm - 5:00pm	15-week
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Note: Students must register for both CIS212-HY1L and CIS111M-HY1L.

1886 CIS212-HY2L	W	10:50am - 12:15pm	1st 10-week
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Note: Students must register for both CIS212-HY2L and CIS111M-HY2L.

1147 CIS212-HY3L	T	6:15pm - 7:30pm	15-week
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Note: Students must register for both CIS212-HY3L and CIS111M-HY3L.

CIS217 - Cybercrime and Digital Forensics Investigation (3)

1149 CIS217-HYB1	TH	5:15pm - 6:45pm	15-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS218 - Information Security & Assurance (3)

1151 CIS218-HYB1	TH	7:00pm - 8:30pm	13-week
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CIS219 - Ethical Hacking and Systems Defense (3)

1152 CIS219-HYB1	W	5:15pm - 7:00pm	15-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS222 - Computer Organization (4)

1153 CIS222-HYB1	TH	7:15pm - 8:30pm	13-week
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CIS223 - Cloud Security (3)

1154 CIS223-HYB1	T	7:15pm - 8:30pm	15-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

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

2046 CIS225C-HYB1	M	7:00pm - 8:45pm	2nd 10-week
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CIS226 - Game Scripting (3)

1155 CIS226-HYB1	W	7:15pm - 8:30pm	13-week
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CIS228 - Simulation and Game Development (4)

2187 CIS228-HYB1	T	5:15pm - 7:00pm	13-week
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CIS230 - Database Management Systems (3)

2188 CIS230-HYB1	TH	5:15pm - 7:00pm	1st 7-week
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\$ No/Low Cost Course Section: The textbook costs for this course are under \$40.

CIS257 - Data Visualization (3)

2189 CIS257-HYB1	TH	5:15pm - 7:00pm	2nd 8-week
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CMSP: Communications Speech

CMSP105 - Small Group Communication (3)

2090 CMSP105-HYB1	W	7:30pm - 8:50pm	2nd 7-week
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CMSP107 - Career Communication (3)

2071 CMSP107-HYB1	T	6:00pm - 8:35pm	1st 8-week
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EC: Economics

EC201 - Principles of Economics (3)

1160 EC201-HYB1	T	12:30pm - 1:45pm	15-week
1162 EC201-HYB2	M	5:00pm - 8:00pm	2nd 7-week
1161 EC201-HYB3	W	5:00pm - 8:00pm	1st 7-week

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

EC202 - Principles of Economics (3)

1164 EC202-HYB1	W	2:00pm - 3:15pm	15-week
1165 EC202-HYB2	TH	12:30pm - 1:45pm	15-week
1168 EC202-HYB3	SAT	9:00am - 11:35am	2nd 7-week Saturday
1167 EC202-HYB4	W	5:00pm - 8:00pm	2nd 7-week

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

ECD: Early Childhood Development

ECD104 - Activities I for Children (3)

1316 ECD104-HYB1	M	6:00pm - 8:30pm	1st 8-week
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EM: Emergency Management

EM221 - Public Safety Leadership and Ethics (3)

1940 EM221-HYB1	M	5:00pm - 7:30pm	15-week
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EN: English

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

2156 EN75-HYB1	W	5:30pm - 7:10pm	15-week
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EN101 - English Composition (3)

2041 EN101-HYB1	W	6:00pm - 7:15pm	15-week
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EN102 - English Composition and Literature (3)

2157 EN102-HYB1	T	7:30pm - 8:20pm	15-week
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GG: Geography

GG201 - Urban Social Geography (3)

2255 GG201-HYB1	TTH	2:00pm - 3:15pm	2nd 8-week
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HE: Health Education

HE201 - Stress Management (3)

2093 HE201-HYB1	W	7:30pm - 10:00pm	1st 8-week
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HOS: Hospitality Culinary Tourism

HOS110 - Introduction to Hospitality Management (3)

1981 HOS110-HYB1 T 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's Monroe Center

HOS123 - Purchasing & Cost Control (3)

1982 HOS123-HYB1 T 6:00pm - 8:40pm 2nd 7-week

Note: Class held at FCC's Monroe Center

HOS161 - Event Management (3)

1980 HOS161-HYB1 M 6:00pm - 8:40pm 1st 7-week

Note: Class held at FCC's Monroe Center

HS: Human Services

HS102 - Human Relations (3)

1360 HS102-HYB1 T 6:00pm - 8:30pm 1st 8-week

HS204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

1364 HS204-HYB1 F 1:30pm - 3:30pm 15-week

HU: Humanities

HU107 - Cultural Studies: Asia (3)

2234 HU107-HYB1 M 12:30pm - 1:45pm 15-week

LA: Paralegal

LA100 - Introduction to Law (3)

1365 LA100-HYB1 SAT 9:00am - 1:15pm 1st 7-week Saturday

LA104 - Contracts (3)

2281 LA104-HYB1 M 10:00am - 1:00pm 1st 7-week

LA200 - Legal Research (3)

2249 LA200-HYB1 M 10:00am - 1:00pm 2nd 7-week

1855 LA200-HYB2 W 6:00pm - 9:00pm 15-week

LA205 - Legal Writing (3)

1367 LA205-HYB1 M 6:00pm - 9:00pm 1st 7-week

LA220 - Civil Litigation (3)

1946 LA220-HYB1 M 6:00pm - 9:00pm 2nd 7-week

LA240 - Family Law (3)

1368 LA240-HYB1 T 6:00pm - 9:00pm 15-week

MA: Mathematics

MA103A - Foundations of Mathematics (3)

1774 MA103A-HYB1 MW 8:00am - 9:15am 15-week

Note: Students registering for MA 103A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

MA206 - Statistics (3)

1720 MA206-HYB1 MW 12:30pm - 1:45pm 2nd 8-week

MA206A - Statistics (3)

1776 MA206A-HYB1 MW 8:00am - 9:15am 15-week

Note: Students registering for MA 206A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

MA207 - Statistics with Probability (4)

1030 MA207-HYB1 M 5:00pm - 6:40pm 15-week

MDA: Medical Assisting

MDA109 - Medical Terminology (3)

1174 MDA109-HYB1 TH 9:30am - 10:45am 15-week

1175 MDA109-HYB2 TH 11:00am - 12:15pm 15-week

MDA110 - Pharmacology for Medical Office Practice (3)

1856 MDA110-HYB1 TH 11:00am - 1:45pm 2nd 7-week

MDA112 - Medical/Administrative Office Applications (3)

2220 MDA112-HYB1 W 6:30pm - 8:30pm 1st 7-week

MDA216 - Medical Coding Basics (3)

2221 MDA216-HYB1 TH 6:30pm - 8:30pm 2nd 7-week

MDA218 - Health Insurance Billing and Reimbursement (3)

2222 MDA218-HYB1 W 6:30pm - 8:30pm 2nd 7-week

PC: Physical Science

PC103 - Survey of Physical Science (3)

2136 PC103-HYB1 M 6:00pm - 7:30pm 1st 7-week

PE: Physical Education

PE188 - Yoga (3)

1445 PE188-HYB1 T 6:00pm - 8:30pm 1st 7-week

1446 PE188-HYB2 T 6:00pm - 8:35pm 2nd 7-week

PS: Psychology

PS101 - General Psychology (3)

2169 PS101-HYB1 T 6:00pm - 7:15pm 1st 8-week

SO: Sociology

SO101 - Introduction to Sociology (3)

1399 SO101-HYB1 T 6:00pm - 7:15pm 2nd 7-week

SO212 - Gender and Society (3)

2155 SO212-HYB1 M 7:45pm - 9:00pm 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.

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.

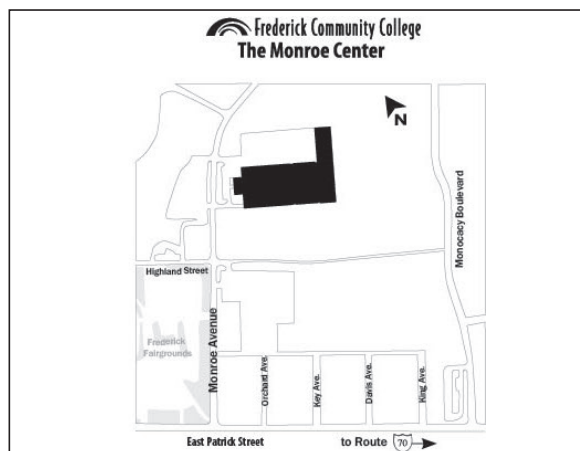
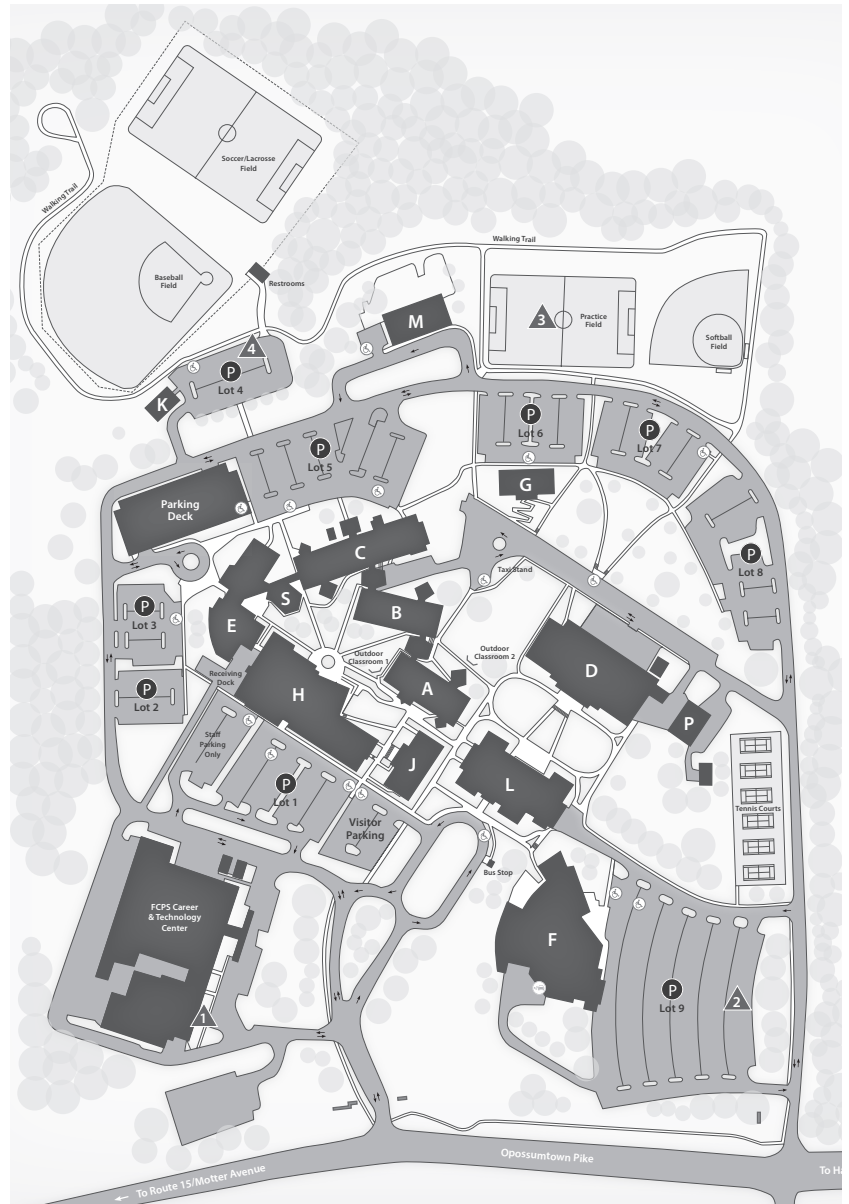
Campus Locations

- A—Annapolis Hall
- B—Braddock Hall
- C—Catoctin Hall
- D—Athletics Center
- E—Conference Center
- F—Visual & Performing Arts Center
- G—Gambrill Hall
- H—Student Center
- J—Jefferson Hall
- L—Linganore Hall
- P—Plant Operations
- S—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.



Frederick Community College Quick Facts FY 2018

Popular New Programs



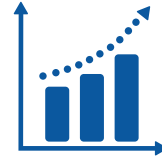
**Sign Language
Interpreter Preparation**
A.A.S. Degree



**Bioprocessing
Technology**
A.A.S. Degree



**Computer Aided
Design Technology**
Area of Concentration:
STEM Technology A.A.S. Degree

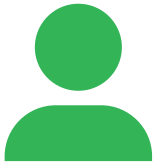


Data Science
Area of Concentration:
STEM Technology A.A.S. Degree



Hospitality Management
A.A.S. Degree

Student Profile



8,896

Credit Students Served



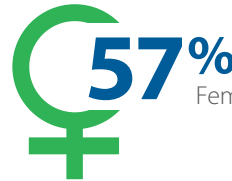
1,100+

Credit Program Graduates/Year

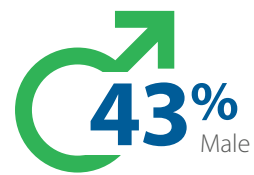


34%

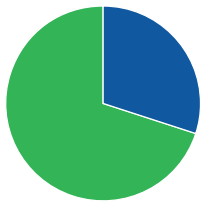
of Students Receive Financial Aid



57%
Female



43%
Male



30% Full-time
Students

70% Part-time
Students



27%

First-Generation College Students

Top 5 Program Enrollments



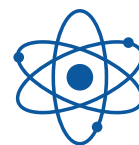
1
General Studies



2
Nursing



3
Business Administration



4
STEM



5
Cybersecurity



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Kathryn Hogan

STEM (Biology) student
Lived on a sailboat for five years
Traveled to 19+ Caribbean countries