



# Frederick Community College

## 2017 FALL CREDIT SCHEDULE



FREDERICK.EDU



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## Hours of Operation

### Enrollment Services

(J Building)

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

**Monday–Thursday, 8:30am – 7pm**

**Friday, 8:30am – 4:30pm**

**Saturday, August 5, 12, and 19, 10am – 2pm**

### Adult Services, Services for Students with Disabilities, & Veterans Services

(A Building, first floor)

**Monday, 8:30am – 7pm**

**Tuesday–Friday, 8:30am – 4:30pm**

### Student Center

(H Building, first floor)

Multicultural Student Services

**Monday–Friday, 8:30am – 4:30pm**

Bookstore

**Monday–Thursday, 8:30am – 6pm**

**Friday, 8:30am – 4:30pm**

### The Testing Center

(L Building, first floor)

**Monday–Thursday, 8:30am – 7pm**

**Friday, 8:30am – 4:30pm**

**Saturday, 9am – 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, please call 301.846.2408. To request a sign language interpreter, please call 240.629.7819 or 301.846.2408 (Voice) or email [Interpreting@frederick.edu](mailto:Interpreting@frederick.edu). Sign language interpreters will not be automatically provided for College-sponsored events without a request for services. To guarantee accommodations, requests must be made at least five workdays in advance of a scheduled event. If your request pertains to accessible transportation for a College-sponsored trip, please submit your request at least two weeks in advance. Requests made less than two weeks in advance may not be able to be provided.

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

Myrna Whitworth, Chair • David F. Bufter, Vice Chair • Debra S. Borden • Nick Diaz • Gary V. Fearnow • Tom Lynch • Roger A. Wilson  
Elizabeth Burmaster, Secretary/Treasurer • Janice Spiegel, Education Liaison/Office of the County Executive

# Registration now open

## Fall 2017 Academic Sessions

Breaks and Holidays	
Sept. 2–4	Labor Day, Jefferson Hall/Offices within Enrollment Services not available
Nov. 7	Election Day, no credit classes - College open
Nov. 22	No classes, Jefferson Hall/Offices within Enrollment Services open until 4:30pm
Nov. 23–26	Thanksgiving Holiday, Jefferson Hall/Offices within Enrollment Services not available
Dec. 15	No classes, Jefferson Hall/Offices within Enrollment Services open until 4:30pm
Dec. 18–Jan. 1	Winter Break, Jefferson Hall/Offices within Enrollment Services not available

### Graduation deadline

Last day to apply for:

August 2017 graduation ..... Aug. 15

December 2017 graduation ..... Dec. 15

### Academic Dates

First day to enroll ..... Apr. 17

Summer 2017 "I" grades to F ..... Sept. 19

### 15-week

First day ..... Aug. 21

Last day to add ..... Aug. 25

Last day 100% refund ..... Aug. 25

Last day 50% refund ..... Aug. 31

Last day to withdraw, no refund ..... Nov. 1

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13

### 1st 8-week

First day ..... Aug. 21

Last day to add ..... Aug. 23

Last day 100% refund ..... Aug. 25

Last day 50% refund ..... Aug. 31

Last day to withdraw, no refund ..... Sept. 28

Last day of classes ..... Oct. 16

Grades due (10am) ..... Oct. 18

### 1st 7-week

First day ..... Aug. 21

Last day to add ..... Aug. 23

Last day 100% refund ..... Aug. 25

Last day 50% refund ..... Aug. 31

Last day to withdraw, no refund ..... Sept. 25

Last day of classes ..... Oct. 9

Grades due (10am) ..... Oct. 11

### 1st 5-week

First day ..... Aug. 21

Last day to add ..... Aug. 22

Last day 100% refund ..... Aug. 25

Last day 50% refund ..... Aug. 31

Last day to withdraw, no refund ..... Sept. 14

Last day of classes ..... Sept. 25

Grades due (10am) ..... Sept. 27

### 14-week • Saturday

First day ..... Aug. 26

Last day to add ..... Sept. 1

Last day 100% refund ..... Sept. 1

Last day 50% refund ..... Sept. 8

Last day to withdraw, no refund ..... Nov. 4

Last day of classes ..... Dec. 9

Grades due (10am) ..... Dec. 11

### 1st 7-week • Saturday

First day ..... Aug. 26

Last day to add ..... Aug. 29

Last day 100% refund ..... Sept. 1

Last day 50% refund ..... Sept. 8

Last day to withdraw, no refund ..... Sept. 29

Last day of classes ..... Oct. 14

Grades due (10am) ..... Oct. 17

### 13-week

First day ..... Sept. 5

Last day to add ..... Sept. 9

Last day 100% refund ..... Sept. 9

Last day 50% refund ..... Sept. 15

Last day to withdraw, no refund ..... Nov. 3

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13

### 2nd 5-week

First day ..... Sept. 26

Last day to add ..... Sept. 27

Last day 100% refund ..... Sept. 30

Last day 50% refund ..... Oct. 6

Last day to withdraw, no refund ..... Oct. 18

Last day of classes ..... Oct. 30

Grades due (10am) ..... Nov. 2

### 2nd 7-week

First day ..... Oct. 17

Last day to add ..... Oct. 19

Last day 100% refund ..... Oct. 21

Last day 50% refund ..... Oct. 27

Last day to withdraw, no refund ..... Nov. 18

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13

### 2nd 8-week

First day ..... Oct. 10

Last day to add ..... Oct. 12

Last day 100% refund ..... Oct. 14

Last day 50% refund ..... Oct. 20

Last day to withdraw, no refund ..... Nov. 16

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13

### 2nd 7-week • Saturday

First day ..... Oct. 21

Last day to add ..... Oct. 24

Last day 100% refund ..... Oct. 26

Last day 50% refund ..... Nov. 1

Last day to withdraw, no refund ..... Nov. 28

Last day of classes ..... Dec. 9

Grades due (10am) ..... Dec. 13

### 3rd 5-week

First day ..... Oct. 31

Last day to add ..... Nov. 1

Last day 100% refund ..... Nov. 4

Last day 50% refund ..... Nov. 11

Last day to withdraw, no refund ..... Nov. 28

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13

### 1st 10-week

First day ..... Aug. 21

Last day to add ..... Aug. 24

Last day 100% refund ..... Aug. 25

Last day 50% refund ..... Aug. 31

Last day to withdraw, no refund ..... Oct. 6

Last day of classes ..... Oct. 30

Grades due (10am) ..... Nov. 3

### 2nd 10-week

First day ..... Sept. 26

Last day to add ..... Sept. 29

Last day 100% refund ..... Sept. 30

Last day 50% refund ..... Oct. 6

Last day to withdraw, no refund ..... Nov. 13

Last day of classes ..... Dec. 8

Grades due (10am) ..... Dec. 13



# 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.

**Fall 2017 Tuition & Fees Chart \***

Credits	In-County	Out-of-County	Out-of-State
1	\$147.24	\$289.24	\$382.24
2	\$294.48	\$578.48	\$764.48
3	\$441.72	\$867.72	\$1,146.72
4	\$588.96	\$1,156.96	\$1,528.96
5	\$736.20	\$1,446.20	\$1,911.20
6	\$883.44	\$1,735.44	\$2,293.44
7	\$1,030.68	\$2,024.68	\$2,675.68
8	\$1,177.92	\$2,313.92	\$3,057.92
9	\$1,325.16	\$2,603.16	\$3,440.16
10	\$1,472.40	\$2,892.40	\$3,822.40
11	\$1,616.40	\$3,178.40	\$4,201.40
12	\$1,760.40	\$3,464.40	\$4,580.40
13	\$1,904.40	\$3,750.40	\$4,959.40
14	\$2,048.40	\$4,036.40	\$5,338.40
15	\$2,192.40	\$4,322.40	\$5,717.40
16	\$2,336.40	\$4,608.40	\$6,096.40

\* Tuition and fees rates are subject to change.

## Tuition and fees\*

In-County per credit hour.....	\$120
Out-of-County per credit hour.....	\$262
Out-of-State per credit hour .....	\$355

**Consolidated Service Fee (\$24):** Every student taking a credit course will be required to pay a consolidated service fee per credit hour. The consolidated service fee supports costs associated with registration, transcripts, commencement, various instructional and support services, technology costs, capital expenditures including capital improvements, parking, maintenance and repair of College equipment/systems, and safety and security needs.

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

## Fees\*\*

Credit by Portfolio  
(per credit hour)..... 50% of tuition  
Credit by Departmental Exam  
(per credit hour) ..... 50% of tuition  
Applied Music fee (per class)..... \$490  
Building Trades .....\$71.40  
Culinary Arts (per class)..... \$121  
*Please refer to the specific HOS course. Some courses require a chef uniform and basic knife or pastry set.*  
FEMA Fee (per credit hour).....\$88  
Module Fee (per module) ..... \$100  
Welding ..... \$100  
Physical Education Fees  
*Please refer to the specific PE course for fees that may be payable to the site where the class meets.*

## Surgical Technology Fees

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

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

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



## Payment Due Dates:

### If registered by Friday, July 28, 4:30pm

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

### If registered by Friday, August 11, 4:30pm

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

### If registered by Friday, August 18, 4:30pm

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

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

# Automatic Payment Plan

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

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

## Target Dates To Enroll

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

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

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

**Don't throw this away!**

**FCC issues refunds electronically!**

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

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

We recommend students immediately log onto [myFCCeFunds.com](http://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.myfcccfeunds.com](http://www.myfcccfeunds.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 into the Welcome Center 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 the campus 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.

## 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

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

- After applying to the College, placement tests are required for:
  - Individuals who are first-time college students who are seeking a degree or certificate whether they enroll full-time or part-time.
  - Individuals planning to take their first English or mathematics course.
  - 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.

- Transfer or readmitted individuals who have not completed a college-level math and/or English course.
- Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, ESL, or mathematics.
- Individuals who change their designation from Courses of Interest to certificate- or degree-seeking.
- 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.
- Placement tests are not required for individuals as noted under Section VI "Exceptions and Exemptions to Required Placement Testing."

## IV. Placement Guidelines

- Unless otherwise indicated, placement scores are determined using Accuplacer academic assessments.
- Placement scores will be valid for two years after the date of taking the placement tests.
- Minimum placement scores, also known as cut scores, have been determined for college-readiness in reading, writing, and mathematics.
- 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.
- Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing the required placement tests.
- Unless outlined in the exemptions and exceptions, high school grades alone do not determine placement.
- Individuals are permitted to retest only one time per assessment, no sooner than twenty-four (24) hours after the initial test.
- Students who are continuously enrolled will not be permitted to retest once enrolled in their developmental course requirements.
- Readmitted students must either retest or complete the developmental requirements as stipulated in the academic catalog.
- 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 11 PARCC score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
- 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.
- 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 a SAT Mathematics score of 500 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 a SAT Evidence-based Reading & Writing or Critical Reading score of 500 or above are exempted from reading and writing placement testing.
- G. 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.
- H. 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.
- I. 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.
- J. 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.
- K. 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.
- L. 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.
- M. Students who have successfully completed an FCC-approved academic intervention will be permitted one additional retest for a total of 3 test attempts.
- N. Individuals who are otherwise exempted by the Associate Vice President for the Center for Teaching and Learning or his/her designee.

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

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

### 3) Meet with an advisor

An advisor can help you select your courses and discuss your academic and career goals. The Counseling & Advising Office, 301.846.2471, is located in J-201 of Jefferson Hall.

- 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 <http://www.frederick.edu/credit-admissions/new-student-orientation.aspx>.

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

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

## Readmit Students

If you've attended FCC before, but not since the Spring 2015 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 <http://www.frederick.edu/student-resources/counseling-advising/advisor-list.aspx>.
- General studies, undecided, and nursing (pre-clinical) students should meet with an advisor from 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 meet with an advisor in the Counseling & Advising Office prior to registering for classes. Call 301.846.2471 to schedule an appointment. Students returning from academic dismissal must meet with the AVP, Dean of Students. Call 301.846.2469 to schedule an appointment.

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

### 2) Register for Classes

On the web or in person

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

Or

- Register in person—Bring your registration form to the Welcome Center.
- If you're on academic alert or probation, you must have your form approved by an advisor in 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 53 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](http://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](mailto:registration@frederick.edu). Include your FCC ID number and PDF copies of your permission to enroll form\* or transcript. Permission will be entered into the Student Information System to allow web registration.
- b. Register online using our PeopleSoft system if the required prerequisite has been evaluated by FCC and stored in the system.
- c. Register in person with your permission to enroll form\* or your unofficial transcript showing you have met the prerequisite.
- d. Mail your permission to enroll form\* to Welcome Center, Frederick Community College, 7932 Opossumtown Pike, Frederick MD 21702. Include an email address where you can be contacted. Permission will be entered into the Student Information System to allow web registration.

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

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

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

## Student Services Available Online

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

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

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

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

To find courses needed in your Degree Plan: From **Student Center**, under **Academics**, click on **My Academics**

- Click on View My Degree Plan link
- Read pop-up message; click OK to confirm you've read it
- Click on expand all (blue button) to open all sections
- Read information sections at the top of your Degree Plan

- Scroll down to find courses needed in your major listed in separate sections (English, Math, Social & Behavioral Sciences, Arts, Humanities, Communications, etc.)
- Click on course name for description of course and prerequisite info

### To enroll in courses from your Degree Plan:

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

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

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

## Making Changes

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

### To drop a credit course/adjust your schedule:

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

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

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

## Residency

### Residency Policy and Procedure

#### I. Philosophy and Purpose

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

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

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

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

- A. **"Domicile"** means the permanent place of abode, where physical presence and possessions are maintained with the intention of remaining indefinitely; or the permanent place of abode of any person or persons contributing more than ½ of the student's financial support during the most recently completed year. Only one domicile may be maintained by a student.
- B. **"Maryland resident"** means an individual who has maintained a domicile in Maryland for at least three (3) months before becoming an enrolled student.
- C. **"Enrolled student"** means an individual who is registered at the College, either full or part-time, in a credit or continuing education class or classes who has either paid or made arrangement for payment of tuition and/or fees, and whose participation in a class has been verified.

#### D. In-County:

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

#### E. Out-of-County:

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

#### F. Out-of-State:

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

#### G. 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.

#### H. Veterans and their dependents (to

include spouses, including same-sex spouses; and children, including biological, adopted, pre-adoptive and step children of spouses, including same-sex spouses) who are eligible for Chapter 33 (Post 9/11 GI Bill) or Chapter 30 (Montgomery GI Bill), and are within the statutory time limits, will be granted in-county tuition only if the following are met:

1. Veteran enrolls within 3 years of discharge after serving 90 days or more on active duty; or
2. Individual using transferred entitlement enrolls within 3 years of the transferor's discharge after serving 90 days or more of active duty; or
3. Surviving Spouses or Children under the Fry Scholarship who enroll within 3 years of an active duty Service member's death in the line of duty after serving 90 days or more; or
4. Individuals who remain continuously enrolled after initially meeting the requirements and are using Chapter 30 or 33.

#### III. International and Foreign National Students

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

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

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

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

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

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

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

#### IV. 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.

#### V. 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).

#### VI. Reclassification of Residency

A. Students requesting reduced tuition rate based on a change in residency must submit proof of actual address change as defined in Section V to the Admissions Office and complete the "Change of Address" form available either online at frederick.edu or in the Admissions Office in Jefferson Hall, Suite 101. The proof of residency and "Change of Address" form must be submitted in one of the following ways:

1. in-person to the Admissions Office in Jefferson Hall, Room 101,
2. online through personal "myFCC" email account to admissions@frederick.edu
3. by fax (240-629-7896), or
4. via U.S. postal mail.

B. Request for change in residency classification must be submitted prior to the "last day to add" for the first session for which the student is enrolled in order to be changed for that session. Residency is not retroactive. A student who changes his/her residency during a semester and provides proof after the "last day to add" will have their residency adjusted for the following semester.

C. In order to comply with USPS regulations regarding bulk and pre-sort mailings, the College verifies current addresses of students with the National Change of Address (NCOA) listing every 90 days. If there has been a change of address, the student will be notified by email and tuition will be adjusted for the following semester as follows:

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

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

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

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



## Veterans Educational Benefits

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

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

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

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

## Student Refunds

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

## Senior Citizen Tuition Benefit Policy

Students age 60 and older who are Maryland residents may take classes at FCC tuition-free if they register starting July 31 for fall. Students must pay fees. See the **Tuition & Fees** on page 2 for an explanation of fees. You can register before this date to reserve space, but you will have to pay full tuition and will not be eligible for the tuition-free benefit. There is no waiver of fees.

## Disabled and Retired

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

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

In order to receive this waiver of tuition:

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

# Financial Aid

## 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 2017–2018 Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.gov](http://www.fafsa.gov) and list the school code in step 6 (002071). Deadline to apply is June 30, 2018.
2. Upon receipt of your FAFSA data, the Financial Aid Office will contact you regarding eligibility and/or to request additional documentation. Students who are selected for verification will be required to submit additional documentation such as IRS Tax Transcript.
3. Students who wish to pursue their student loan eligibility are required to complete additional steps. The loan application process is outlined at [frederick.edu](http://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](http://frederick.edu) under the financial aid section.

### Recommended deadlines for the fall 2017 semester:

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

If you register for classes between	FAFSA and all required documentation must be completed by	Payment due by
4/17–7/28, 4:30pm	6/15	7/28, 4:30pm
7/28–8/11, 4:30pm	7/1	8/11, 4:30pm
8/11–8/18	Must pay in full or enroll in payment plan	Prior to 8/18 or if enrolled after 8/18 by session start date.

### Pending Financial Aid Payment Plan

This is an option for you if:

- FCC has received your 2017-2018 FAFSA and you have a valid EFC (Expected Family Contribution)
- You are enrolled in 6 or more credits

**Note:** Please allow 48-72 hours for FCC to receive your FAFSA after you complete at [www.fafsa.gov](http://www.fafsa.gov)

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

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

If you have an incomplete file, you must sign up for the 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.

## Scholarships

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

- April 1–June 30 for fall 2017
- November 1–December 31 for spring 2018

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](mailto:DisabilityServices@frederick.edu)

Coordinator for Deaf & Hard of Hearing Services  
240.629.7819 (Voice), 240.575.1803 (VP) or via email at [Interpreting@frederick.edu](mailto:Interpreting@frederick.edu)

## Bookstore

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

## Bookstore Calendar

August 7 .....Fall books available to purchase and rent

August 19 & 26 (Saturdays) .....10am–2pm

September 4 ..... Bookstore closed

November 7 ..... Bookstore closed

November 22–24 ..... Bookstore closed

December 5–7 ..... Textbook buyback from 9am to 6pm

December 11 & 12 ..... Textbook buyback from 9am to 6pm

December 16–January 1 ..... Bookstore closed

## Buying/Renting Books

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

Some course books are available to rent from the FCC Bookstore. 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.

Books cannot be rented through our website.

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

## 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 within two weeks of the start of the semester. A new form is required each academic year. Contact the Welcome Center for additional information.

## Phone Directory

College Information/Welcome Center	301.846.2431
Admissions	301.624.2716
Adult Services	301.846.2483
Athletics	301.846.2500
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	301.846.2480
Honors College	301.846.2535
International Education	301.846.2521
Internships	301.624.2724
Learning Commons/Library	301.846.2444
Multicultural Student Services	301.846.2531
Registration & Records	301.846.2431
Security	301.846.2453
Services for Students with Disabilities	301.846.2408
Student Accounts (Cashier's Office)	301.846.2456
Testing Center	301.846.2522
Transcripts	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: Dr. Karen A. Wilson .....	301.624.2848
Nuclear Medicine: Michele Tertel .....	301.624.2845
Respiratory Care: Rhonda Patterson .....	301.846.2528
Surgical Technology: Nancy Dankanich .....	301.846.2506

## Computing and Business Technology (CBT)

Office Manager (C-220): Doree Lynn Miles .....	301.846.2505
Accounting, CPA Prep: Mike Martin .....	301.846.2543
Architectural Computer Aided Design: Dr. Renee Davis .....	301.846.2587
Business Administration, Business Management, Economics: Dr. Karen A. Wilson .....	301.846.2611
Computer 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: David Martin .....	240.575.2299
Art: Wendell Poindexter .....	301.846.2513
Audio Production: Jonathan Cresci .....	301.624.2844
Communications Speech: Kathy Brooks .....	301.846.2635
Digital Media Design, Computer Graphics: Lisa Sheirer .....	301.846.2637
Digital Media Design, Film & Video Production: Jason Santelli .....	301.846.2533
Humanities: Stephanie Curran .....	301.846.2512
Music: Dr. Paula Chipman .....	301.846.2566
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
Instructional Specialist & Interim Program Manager: Chuck LoSchiavo .....	240.629.7985

## 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: Stephanie Landon .....	240.629.7925

## Honors

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: Jennifer Goodridge .....	301.624.2756

## Mathematics

Office Manager (B-228): Jeanne Nesbitt .....	301.846.2530
Mathematics: Gary Hull .....	301.846.2576
Developmental Coordinator: Kylenea Cross .....	240.629.7835
STEM Learning Center Coordinator: Mary Mogan-Vallon .....	240.629.7839

## Nursing

Office Manager (L-114): Cathie Galeano .....	301.846.2524
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## Science

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

## Social Sciences

Office Manager (H-237): Nicole Welch .....	301.846.2507
Criminal Justice: Mary Rolle .....	301.846.2639
Early Childhood Education/Early Childhood Special Education, and Early Childhood Development: Delaine Welch .....	301.846.2559
Elementary Education/Elementary Special Education, Secondary Education: Delaine Welch .....	301.846.2559
History, Sociology: Michael Powell .....	301.846.2571
Human Services: Natalie Bowers .....	301.846.2696
Psychology: John Sheldon .....	240.629.7857

## Public Safety

Fire Service Administration,	
Police Sciences: Robin Shusko .....	301.846.2673

# General Education Courses Offered Fall 2017

## 1. Arts & Humanities

### Arts

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

### Humanities

ASLS 102 - American Sign Language I (3)  
ASLS 103 - American Sign Language II (ASL II) (3)  
ASLS 202 - American Sign Language III (ASL III) (3)  
EN/CMM 241 - Journalism Publication Practicum (3)  
EN 102 - English Composition and Literature (3)  
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.  
EN 203 - American Literature (3)  
EN 206 - World Literature (3)  
EN 216 - The Short Story (3)  
EN 223 - Classical Mythology (3)  
EN 227 - Literature: Multicultural Perspectives (3)  
EN 227 can be taken to satisfy either the General Education requirement in Humanities or Multicultural Issues & Perspectives, but not both.  
EN 231 - English Language Studies (3)  
EN 231H - English Language Studies (3)  
HU 104 - Introduction to Digital Humanities (3)  
LC 101 - Introductory Chinese I (4)  
LF 101 - Introductory French I (3)  
LF 102 - Introductory French II (3)  
LG 101 - Introductory German I (3)  
LG 102 - Introductory German II (3)  
LL 101 - Introductory Latin I (3)  
LR 101 - Introductory Russian I (3)  
LS 101 - Introductory Spanish I (3)  
LS 102 - Introductory Spanish II (3)  
LS 201 - Intermediate Spanish I (3)  
LS 211 - Spanish Conversation I (3)  
PH 101 - Introduction to Philosophy (3)  
PH 204 - World Religions (3)  
PH 205 - Ethics (3)

PH 206 - Logic (3)  
PH 207 - Biomedical Ethics (3)  
PH 208 - Business Ethics (3)  
PH 210 - Ethics and Film (3)

### Communications

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

## 2. English Composition

EN 101 - English Composition (3)  
EN 101H - English Composition (3)  
EN 102 - English Composition and Literature (3)  
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.

## 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 130 - Advanced Tai Chi - Cultural Perspective (3)  
HE 201 - Stress Management (3)  
HE 204 - Health Education (3)  
PE 154 - Fitness for Living (3)

### Interdisciplinary

ID 225 - Disaster, Crisis and Emergency Management (3)

### Multicultural Issues & Perspectives

ASLS 106 - Introduction to the Deaf Community (3)  
BU 281 - Global Awareness in the Work Environment (3)  
EN 227 - Literature: Multicultural Perspectives (3)  
EN 227 can be taken to satisfy either the General Education requirement in Humanities or Multicultural Issues & Perspectives, but not both.  
HI 217 - African-American History (3)  
HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.

## 4. Mathematics

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

## 5. Science

BI 100 - Fundamental Concepts of Biology (4)  
BI 101 - General Biology I (4)  
BI 102 - General Biology 2 (4)  
BI 103 - Anatomy and Physiology (4)  
BI 104 - Anatomy and Physiology (4)  
BI 107 - Human Biology (4)  
BI 117 - Study of the Human Body (3)  
BI 120 - Microbiology for Allied Health (4)  
BI 130 - Forensic Biology (4)  
BI 140 - Biotechnology and Society (3)  
BI 201 - General Ecology (4)  
BI 202 - Human Ecology (3)  
CH 100 - Chemistry and Society (4)  
CH 101 - General Chemistry (4)  
CH 102 - General Chemistry (4)  
PC 103 - Elements of Physical Science (3)  
PC 104 - The Water Planet: Introduction to Oceanography (3)  
PC 104H - The Water Planet: Introduction to Oceanography (3)  
PC 105 - Introduction to the Science of Weather (3)

PC 106 - Introduction to Meteorology (4)  
 PC 107 - Introductory Astronomy (4)  
 PC 109 - Physical Geology (4)  
 PC 108 - Historical Geology (4)  
 PC 114 - Contemporary Physical Science (4)  
 PC 115 - Introduction to Geoscience (4)  
 PY 201 - Fundamentals of Physics (4)  
 PY 203 - Introductory Physics I (4)  
 PY 204 - Introductory Physics II (4)

## 6. Social & Behavioral Sciences

### Anthropology

AN 101 - Introduction to Anthropology (3)  
 AN 103 - Introduction to Archeology (3)

### Economics

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

### Education

ED 102 - Schools & Society (3)  
 ED 203 - Foundations of Special Education (3)  
 ED/PS 208 - Human Growth & Development (3)

### Geography

GG 101 - Elements of Geography (3)  
 GG 102 - Cultural Geography (3)

### History

HI 101 - History of Western Civilization (3)  
 HI 102 - History of Western Civilization (3)  
 HI 201 - History of the United States (3)  
 HI 202 - History of the United States (3)  
 HI 217 - African-American History (3)  
 HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.

### Human Services

HS 102 - Human Relations (3)

### Political Science

PI 104 - American Government: National (3)

### Psychology

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

### Sociology

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

## Cultural Competence Requirements

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

AN 101 - Introduction to Anthropology (3)  
 AN 103 - Introduction to Archeology (3)  
 AR 103 - The History of Art: Non-Western (3)  
 ASLS 106 - Introduction to Deaf Community and History (3)  
 BU 281 - Global Awareness in the Work Environment (3)  
 CMSP 105 - Small Group Communication (3)  
 ED 203 - Foundations of Special Education (3)  
 EM 203 - Social Impacts of Disaster (3)  
 EN 206 - World Literature (3)  
 EN 227 - Literature: Multicultural Perspectives (3)  
 EN/CMM 241 - Journalism Publication Practicum (3)  
 GG 102 - Cultural Geography (3)  
 HE 130 - Advanced Tai Chi - Cultural Perspective (3)  
 HI 217 - African-American History (3)  
 HS 102 - Human Relations (3)  
 LS 201 - Intermediate Spanish I (3)  
 NU 101 - Introduction to Clinical Nursing (6)  
 PH 204 - World Religions (3)  
 SO 102 - Social Problems (3)  
 SO 210 - Ethnic Diversity (3)  
 ST 101 - Introduction to Surgical Technology (6)



# 2017

## Fall Credit Schedule

### Course Blackboard Requirements

All course sections require access to Blackboard at <https://frederick.blackboard.com>. Students are expected to be able to access Blackboard via the Internet using personal, public or appropriate college-available computers. Blackboard access is also required to complete course evaluations.

### ACCT: Accounting

#### ACCT 100 - 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.

2294	ACCT100-1	TuTh	8am-9:15am	15-week
1756	ACCT100-2	M	5pm-7:35pm	15-week
2295	ACCT100-HYB1*	SAT	8am-12pm	1st 7-week Saturday

*Note:* ACCT100-HYB1 meets on campus 8/26, 9/9, 9/23, and 10/7

#### ACCT 101 - 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.

1757	ACCT101-1	MW	11am-12:15pm	15-week
1758	ACCT101-2	MW	12:30pm-1:45pm	15-week
1759	ACCT101-3	TuTh	8am-9:15am	15-week
1760	ACCT101-5	TuTh	11am-12:15pm	15-week
1761	ACCT101-6	TuTh	12:30pm-1:45pm	15-week
1762	ACCT101-7	M	5pm-7:35pm	15-week
1763	ACCT101-8	W	5pm-7:35pm	15-week
1764	ACCT101-HYB1	Tu	6pm-8:35pm	1st 7-week
1765	ACCT101-ONL1		Online Course	15-week

#### ACCT 102 - Principles of Accounting II (3)

*Prerequisite:* ACCT 101

Continues the study of financial accounting principles and procedures from BU 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.

1766	ACCT102-1	MW	9:30am-10:45am	15-week
1767	ACCT102-2	TuTh	12:30pm-1:45pm	15-week
2296	ACCT102-3	W	5pm-7:35pm	15-week
1768	ACCT102-HYB1	Tu	6pm-8:35pm	2nd 7-week
1769	ACCT102-ONL1		Online Course	15-week

#### ACCT 111 - 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.

2297	ACCT111-HYB1	SAT	9am-12pm	2nd 7-week Saturday
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*Note:* ACCT111-HYB1 meets on campus 10/21 & 12/9

1770	ACCT111-HYB2	M	7:45pm-9:15pm	15-week
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#### ACCT 201 - Intermediate Accounting I (4)

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

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

1771	ACCT201-HYB1	M	5pm-7:05pm	15-week
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#### ACCT 203 - Managerial Cost Accounting (3)

*Prerequisite:* ACCT 101

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

1772	ACCT203-ONL1		Online Course	15-week
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#### ACCT 205 - Federal Income Tax Accounting (3)

*Prerequisite:* ACCT 100 or ACCT 101

Covers current federal revenue acts as they relate to business and individual tax procedures. Includes income inclusions and exclusions, exemptions, capital gains and losses and business and individual deductions. Encourages use of tax forms but requires independent analysis of taxable status and handling income-expense items.

1773	ACCT205-1	Tu	5pm-7:35pm	15-week
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#### ACCT 216 - Governmental and Not-for-Profit Accounting (3)

*Prerequisites:* ACCT 100 and ACCT 101 OR ACCT 101 and ACCT 102

Introduces the environment, characteristics, principles, and practices associated with governmental and not-for-profit accounting. Major areas explored include fund accounting, fund types, revenue and expenditure recognition, and financial reporting.

2432	ACCT216-1	W	5pm-7:35pm	15-week
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## ACE: Academic and Career Engagement

### ACE 100 - 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.

1537	ACE100-LK1	MW	9:30am-10:20am	15-week
1530	EN101-LK1	MW	8am-9:15am	15-week
1538	ACE100-LK2	MW	12pm-12:50pm	15-week
1531	EN101-LK2	MW	10:30am-11:45am	15-week
2254	ACE100-LK3	MW	12pm-12:50pm	15-week
2251	EN101-LK3	MW	10:30am-11:45am	15-week
1539	ACE100-LK4	MW	2:30pm-3:20pm	15-week
1532	EN101-LK4	MW	1pm-2:15pm	15-week
2256	ACE100-LK5	MW	2:30pm-3:20pm	15-week
2253	EN101-LK5	MW	1pm-2:15pm	15-week
1540	ACE100-LK6	TuTh	9:30am-10:20am	15-week
1533	EN101-LK6	TuTh	8am-9:15am	15-week
1541	ACE100-LK7	TuTh	12pm-12:50pm	15-week
1534	EN101-LK7	TuTh	10:30am-11:45am	15-week
2255	ACE100-LK8	TuTh	12pm-12:50pm	15-week
2252	EN101-LK8	TuTh	10:30am-11:45am	15-week
1542	ACE100-LK9	TuTh	2:30pm-3:20pm	15-week
1535	EN101-LK9	TuTh	1pm-2:15pm	15-week
1543	ACE100-LK10	W	7:40pm-9:20pm	15-week
1536	EN101-LK10	W	5pm-7:30pm	15-week

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

### ACE 102 - College Success Tools (1)

*Prerequisites:* EN 70 OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71)  
Introduces students to tools, strategies, and resources designed to help build stronger academic foundations and make informed choices that will lead to college success. Students will plan their academic path, improve their study habits, and connect to campus and online resources to enhance their educational experience and achieve their goals.

2379	ACE102-1	F	9am-10:35am	2nd 8-week
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### ACE 110 - 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.

2090	ACE110-1	MW	12:30pm-1:45pm	15-week
2091	ACE110-2	Th	5:30pm-8:30pm	2nd 10-Week
2431	ACE110-HYB1	F	9am-10:15am	15-Week

### ACE 111A - Introduction to Career Planning (1)

*Prerequisites:* EN 70 OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71)  
Introduces the career planning process, focusing on students' ability to assess their career planning needs, decision-making, and goal setting, and to plan appropriate actions. Emphasis is placed on assessing varied career resources.

2094	ACE111A-1	F	9am-10:35am	1st 8-week
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## AN: Anthropology

### AN 101 - 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.

1935	AN101-1	MW	9:30am-10:45am	13-week
<i>Note:</i> This web enhanced course requires completion of additional online assignments.				
1933	AN101-2	TuTh	8am-9:15am	15-week
1934	AN101-3	F	11am-1:30pm	15-week
1936	AN101-ONL1		Online Course	13-week

### AN 103 - Introduction to Archeology (3)

Cultural Competence  
*Prerequisites:* (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)  
Emphasizes archaeological tools, methods, interests and interpretations. Techniques of recording, preserving and organizing data will be practiced. Involves scouting of sites, test diggings and research of the known historical past. Provides a field study of the area.

1937	AN103-1	TuTh	9:30am-10:45am	15-week
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## AR: Art

### AR 100 - Introduction to the Creative Arts (3)

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

1091	AR100-1	MW	8am-9:15am	15-week
1090	AR100-2	MW	12:30pm-1:45pm	15-week
1092	AR100-3	TuTh	12:30pm-1:45pm	15-week
1094	AR100-ONL1		Online Course	15-week

### AR 101 - 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.

1095	AR101-1	MW	9:30am-11:30am	15-week
1096	AR101-2	MW	12:30pm-2:30pm	15-week
1098	AR101-3	TuTh	10am-12pm	15-week
1099	AR101-4	TuTh	1pm-3pm	15-week

*Note:* Students must furnish own supplies.

### AR 103 - 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.

1100	AR103-1	MW	9:30am-10:45am	15-week
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### AR 104 - The History of Art: Prehistoric to Early Renaissance (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)  
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.

1101	AR104-1	MW	12:30pm-1:45pm	15-week
1102	AR104-2	TuTh	12:30pm-1:45pm	15-week
1103	AR104-ONL1		Online Course	2nd 10-Week

### AR 105 - The History of Art: Renaissance to Modern (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)  
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.

2375	AR105-1	TuTh	9:30am-10:45am	15-week
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### AR 106 - 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.

1110	AR106-1	MW	8am-10am	15-week
1104	AR106-2	MW	9:30am-11:30am	15-week
1105	AR106-3	M	12:30pm-4:30pm	15-week
1106	AR106-4	MW	3pm-5pm	15-week
1107	AR106-5	TuTh	8am-11am	2nd 8-week
1108	AR106-6	TuTh	10am-12pm	15-week
1109	AR106-7	TuTh	12:30pm-2:30pm	15-week
1131	AR106-8	F	9am-1pm	15-week
1111	AR106-9	M	5:30pm-9:30pm	15-week

*Note: Students must furnish own supplies.*

### AR 113 - Pottery 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)

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.

1112	AR113-1	M	12:30pm-4:30pm	15-week
1116	AR113-2C	Tu	12:30pm-4:30pm	15-week
1113	AR113-3	W	9am-1pm	15-week
1114	AR113-4	Th	9am-1pm	15-week
1115	AR113-5	M	5:30pm-9:30pm	15-week
1117	AR113-6	W	5:30pm-9:30pm	15-week

### AR 114 - 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.

1118	AR114-1	F	9am-1pm	15-week
1119	AR114-2C	Tu	12:30pm-4:30pm	15-week

### AR 115 - Introduction to Color Theory and Design (3)

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

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

1124	AR115-1	MW	3pm-5pm	15-week
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### AR 203 - Sculpture (3)

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

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

1125	AR203-1C	Th	5:30pm-9:30pm	15-week
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### AR 204 - Illustration I (3)

*Prerequisite:* AR 106

Concentrates on the development of hand skills and concepts which are an important part of the technique and magic of picture making. Explores material resources and the preparation of art for reproduction such as advertising design, editorial and fiction illustration. Includes trips to professional design studios.

1126	AR204-1C	MW	12:30pm-2:30pm	15-week
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### AR 205 - Illustration II (3)

*Prerequisite:* AR 204

Develops individual style and interpretation. While class assignments are given, individual preferences are welcomed and encouraged. Considers illustration for books, social comment, etc. Study and discussion of slides and sometimes films on the work of past masters and current trends. Critiques and discussions on works in progress.

1127	AR205-1C	MW	12:30pm-2:30pm	15-week
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### AR 207 - 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.

1128	AR207-1C	F	9am-1pm	15-week
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### AR 210 - Watercolor II (3)

*Prerequisite:* AR 207

Expands techniques developed in AR 207, emphasizing personal expression in watercolor painting. Explores the various advanced methods in watercolor painting, observing works of traditional and contemporary artists. Includes individual research required and museum visits.

1129	AR210-1C	F	9am-1pm	15-week
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### AR 213 - Intermediate Sculpture (3)

*Prerequisite:* AR 203

Explores figurative and abstract directions in clay, plaster, welded steel and/or assemblage. Emphasizes a wide range of materials and techniques and their resulting aesthetic statements.

1130	AR213-1C	Th	5:30pm-9:30pm	15-week
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## ASLS: American Sign Language Studies

### ASLS 100 - 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.

1132	ASLS100-1	TuTh	5pm-6:15pm	15-week
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### ASLS 101 - 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 ASLS 101.

1133	ASLS101-1	TuTh	11am-12:15pm	15-week
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## ASLS 102 - 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.)

1134	ASLS102-1	MW	8am-9:15am	15-week
1135	ASLS102-2	MW	9:30am-10:45am	15-week
1136	ASLS102-3	MW	11am-12:15pm	15-week
1137	ASLS102-4	MW	12:30pm-1:45pm	15-week
1150	ASLS102-5	MW	3:30pm-4:45pm	15-week
1138	ASLS102-6	TuTh	9:30am-10:45am	15-week
1139	ASLS102-7	TuTh	11am-12:15pm	15-week
1140	ASLS102-8	TuTh	12:30pm-1:45pm	15-week
1141	ASLS102-9	TuTh	2pm-3:15pm	15-week
1142	ASLS102-10	SAT	9am-11:45am	14-week
2414	ASLS102-11	M	5pm-7:35pm	15-week
1143	ASLS102-12	Th	5pm-8:05pm	13-week

## ASLS 103 - 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.

1144	ASLS103-1	MW	2pm-3:15pm	15-week
1145	ASLS103-2	W	5pm-7:35pm	15-week

## ASLS 106 - Introduction to Deaf Community and History (3)

Gen Ed Multicultural Perspective; 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.

1146	ASLS106-ONL1		Online Course	15-week
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## ASLS 202 - 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.

1149	ASLS202-2	W	5pm-7:35pm	15-week
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## ASLS 211 - 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.

2370	ASLS211-1	M	5pm-7:35pm	15-week
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## BI: Biological Science

### BI 55 - 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.

1582	BI55-1	MW	11am-12:15pm	15-week
1583	BI55-2	Tu	8am-10:35am	15-week
1584	BI55-3	TuTh	2pm-3:15pm	15-week
1585	BI55-4	SAT	9am-11:45am	14-week
1586	BI55-5	W	6pm-8:35pm	15-week

### BI 100 - 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 appropriate score on mathematics placement test)

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.

1587	BI100-1LC	M	9:30am-12:05pm	15-week
1588	BI100-11LB	W	9:30am-12pm	15-week
1589	BI100-2LC	MW	9:30am-10:45am	15-week
1590	BI100-21LB	W	12:30pm-3pm	15-week
2278	BI100-3LC	MW	11am-12:15pm	15-week
2279	BI100-31LB	M	12:30pm-3pm	15-week
1591	BI100-4LC	Tu	8am-10:35am	15-week
1592	BI100-41LB	Th	8am-10:30am	15-week
1595	BI100-5LC	TuTh	9:30am-10:45am	15-week
1596	BI100-51LB	Tu	12:30pm-3pm	15-week
1593	BI100-6LC	Tu	12:30pm-3:05pm	15-week
1594	BI100-61LB	Th	12:30pm-3pm	15-week
2400	BI101-7LC	F	11am-1:35pm	15-week
2401	BI101-71LB	F	8am-10:30 am	15-week
1597	BI100-8LC	SAT	9am-11:45am	14-week
1598	BI100-81LB	SAT	12pm-2:45pm	14-week
1599	BI100-9LC	Tu	6pm-8:35pm	15-week
1600	BI100-91LB	Th	6pm-8:30pm	15-week
1601	BI100-HYBC		Online Course	15-week
1602	BI100-HYBB	F	11am-1:30pm	15-week

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



## BI 101 - General Biology I (4)

*Prerequisites:* Completion of high school biology 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 appropriate score on mathematics placement test)

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. This course is intended for STEM (science, technology, engineering, and math) majors, and pre-allied health majors.

1603	BI101-1LC	M	9:30am-12:05pm	15-week
1604	BI101-11LB	W	9:30am-12pm	15-week
1605	BI101-2LC	M	12:30pm-3:05pm	15-week
1606	BI101-21LB	W	12:30pm-3pm	15-week
1607	BI101-3LC	Tu	8am-10:35am	15-week
1608	BI101-31LB	Th	8am-10:30am	15-week
1609	BI101-4LC	TuTh	9:30am-10:45am	15-week
1610	BI101-41LB	Tu	11am-1:30pm	15-week
1611	BI101-42LB	Th	11am-1:30pm	15-week

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

1612	BI101-5LC	TuTh	12:30pm-1:45pm	15-week
1613	BI101-51LB	Tu	2pm-4:30pm	15-week
2280	BI101-52LB	Th	2pm-4:30pm	15-week

*Note:* Students registering for BI101-5LC must also register for BI101-51LB or BI101-52LB.

1614	BI101-6LC	W	9:30am-12:05pm	15-week
1615	BI101-61LB	M	9:30am-12pm	15-week
1616	BI101-7LC	F	8am-10:35am	15-week
1617	BI101-71LB	F	11am-1:30pm	15-week
1618	BI101-8LC	SAT	9am-11:45am	14-week
1619	BI101-81LB	SAT	12pm-2:45pm	14-week
1620	BI101-9LC	M	6pm-8:35pm	15-week
1621	BI101-91LB	W	6pm-8:30pm	15-week
2402	BI101-10LC	Tu	5pm-7:35pm	15-week
2403	BI101-101B	Th	5pm-7:30pm	15-week

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

## BI 102 - General Biology 2 (4)

*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.

1622	BI102-1LC	W	12:30pm-3:05pm	15-week
1623	BI102-11LB	M	12:30pm-3pm	15-week

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

## BI 103 - Anatomy and Physiology (4)

*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 appropriate score on mathematics placement test) 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.

1624	BI103-1LC	MW	8am-9:15am	15-week
1625	BI103-11LB	M	9:30am-12pm	15-week
1626	BI103-12LB	W	9:30am-12pm	15-week
<i>Note: Students registering for BI103-1LC must also register for BI103-11LB or BI103-12LB.</i>				
1627	BI103-2LC	MW	9:30am-10:45am	15-week
1628	BI103-21LB	M	12:30pm-3pm	15-week
1629	BI103-3LC	TuTh	8am-9:15am	15-week
1630	BI103-31LB	Tu	9:30am-12pm	15-week
1631	BI103-4LC	TuTh	11am-12:15pm	15-week
1632	BI103-41LB	Tu	12:30pm-3pm	15-week
1635	BI103-5LC	SAT	9am-11:45am	14-week
1636	BI103-51LB	SAT	12pm-2:45pm	14-week
1637	BI103-6LC	M	5pm-7:35pm	15-week
1638	BI103-61LB	W	5pm-7:30pm	15-week
1633	BI103-HYBC	📱	Online Course	15-week
1634	BI103-HYBB	F	11am-1:30pm	15-week

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

1639	BI103-LK1C	TuTh	5pm-7:35pm	1st 8-week
1640	BI103-LK1B	TuTh	7:45pm-10:15pm	1st 8-week

*Note:* BI103-LK1C and BI103-LK1B — Session dates are August 22 through October 10, 2017. Students must register for corresponding BI103 and BI104 (LK) sections together. No online registration for these class sections.

## BI 104 - Anatomy and Physiology (4)

*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.

1641	BI104-1LC	MW	12:30pm-1:45pm	15-week
1643	BI104-11LB	W	9:30am-12pm	15-week
1646	BI104-2LC	F	8am-10:35am	15-week
1647	BI104-21LB	F	11am-1:30pm	15-week
1648	BI104-3LC	SAT	9am-11:45am	14-week
1649	BI104-31LB	SAT	12pm-2:45pm	14-week
1650	BI104-4LC	M	5pm-7:35pm	15-week
1651	BI104-41LB	W	5pm-7:30pm	15-week
1644	BI104-HYBC	📱	Online Course	15-week
1645	BI104-HYBB	Tu	12:30pm-3pm	15-week

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

1652	BI104-LK1C	TuTh	5pm-7:35pm	2nd 8-week
1653	BI104-LK1B	TuTh	7:45pm-10:15pm	2nd 8-week

*Note:* BI104-LK1C and BI104-LK1B — Session dates are October 12 through December 7, 2017. Students must register for corresponding BI103 and BI104 (LK) sections together. No online registration for these class sections.

## BI 107 - Human Biology (4)

*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);

*Prerequisite or Corequisite:* MA 82 or MA 85 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.

2282	BI107-1LC	M	12:30pm-3:05pm	15-week
2281	BI107-11LB	W	12:30pm-3pm	15-week

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

### BI 117 - Study of the Human Body (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);

*Prerequisite or Corequisite:* MA 82 or MA 85 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.

2404	BI117-1	MW	12:30pm-1:45pm	15-week
1654	BI117-2	TuTh	2pm-3:15pm	13-week
1655	BI117-3	MW	6pm-8:35pm	2nd 8-week

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

### BI 120 - Microbiology for Allied Health (4)

*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 appropriate score on mathematics placement test) AND (BI 55 or BI 101 or BI 103 or CH 101)*

For allied health students. Covers the basic principles of cell chemistry and microbiology with respect to human physiology. Includes cell physiology, growth and metabolism of microorganisms, import groups of pathogenic microorganisms, antimicrobial agents, immunology and introductory biochemistry.

1656	BI120-1LC	MW	9:30am-10:45am	15-week
1657	BI120-11LB	MW	11am-12:15pm	15-week
1664	BI120-2LC	MW	12:30pm-1:45pm	15-week
1665	BI120-21LB	MW	2pm-3:15pm	15-week
2405	BI120-3LC	TuTh	8am-9:15am	15-week
2406	BI120-31LB	TuTh	9:30am-10:45am	15-week
1658	BI120-4LC	TuTh	11am-12:15pm	15-week
1659	BI120-41LB	TuTh	12:30pm-1:45pm	15-week
1660	BI120-5LC	SAT	12pm-2:45pm	14-week
1661	BI120-51LB	SAT	9am-11:45am	14-week
1662	BI120-6LC	MW	6pm-7:15pm	15-week
1663	BI120-61LB	MW	7:35pm-8:50pm	15-week
1666	BI120-7LC	TuTh	6:20pm-7:35pm	15-week
1667	BI120-71LB	TuTh	5pm-6:15pm	15-week

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

### BI 130 - Forensic Biology (4)

*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);

*Prerequisite or Corequisite:* MA 82 or MA 85 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.

1668	BI130-1LC	M	8am-10:35am	15-week
1669	BI130-11LB	W	8am-10:30am	15-week
2407	BI130-2LC	M	11am-1:35pm	15-week
2408	BI130-21LB	W	11am-1:30pm	15-week
1670	BI130-3LC	Tu	11am-1:35pm	15-week
1671	BI130-31LB	Th	11am-1:30pm	15-week

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

1672	BI130-ONL1		Online Course	15-week
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### BI 140 - Biotechnology 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)

*AND (MA 82 or MA 85 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.

1673	BI140-1	MW	9:30am-10:45am	13-week
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*Note:* This web enhanced course requires completion of additional online assignments.

### BI 201 - General Ecology (4)

*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 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.

1674	BI201-1LC	TuTh	11am-12:15pm	15-week
1675	BI201-11LB	Tu	12:30pm-3pm	15-week

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

### BI 202 - Human Ecology (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);

*Prerequisite or Corequisite:* MA 82 or MA 85 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.

1676	BI202-1	F	9am-11:35am	13-week
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*Note:* This web enhanced course requires completion of additional online assignments.

### BI 203 - Elements of Microbiology (4)

*Prerequisites:* CH 101 and BI 101 or BI 103

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


1677	BI203-1LC	TuTh	9:30am-10:45am	15-week
1678	BI203-11LB	TuTh	11am-12:15pm	15-week

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

### BI 220 - 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.

1681	BI220-HYBC		Online Course	15-week
1682	BI220-HYB1	Tu	5pm-7:30pm	15-week
2394	BI220-HYB2	Th	5pm-7:30pm	15-week

*Note:* Students registering for BI220-HYBC must also register for either BI220-HYB1 or BI220-HYB2.

### Biology Notes:

*BI203 - Elements of Microbiology offered fall semester only.*

*BI240 - Genetics offered spring semester only.*

## BLD: Building Trades

### BLD 101 - 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.

1441	BLD101-1	W	6pm-8:30pm	15-week
1440	BLD101-HYB1	Tu	6pm-8:30pm	1st 7-week
2314	BLD101-HYB2	Tu	6pm-8:30pm	2nd 7-week

*Note:* Class held at the Monroe Center

### BLD 109 - Fundamentals of HVACR (4)

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

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

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

1442	BLD109-HYB1	MW	6pm-9pm	1st 7-week
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*Note:* Class held at the Monroe Center

### BLD 110 - Controls for HVACR (3)

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

*Prerequisite: BLD 109 or permission of program manager*

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

1443	BLD110-HYB1	MW	6pm-8:30pm	2nd 7-week
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*Note: Class held at the Monroe Center*

### BLD 113 - HVAC Installation & Troubleshooting (3)

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

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

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

2136	BLD113-HYB1	TuTh	6pm-8:30pm	1st 7-week
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*Note: Class held at the Monroe Center*

### BLD 114 - Fossil Fuels & Hydronic Heating (3)

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

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

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

1444	BLD114-HYB1	TuTh	6pm-8:30pm	2nd 7-week
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*Note: Class held at the Monroe Center*

### BLD 120 - Welding Symbols & Blueprint Reading (2)

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

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

1445	BLD120-1	TuTh	5pm-6pm	15-week
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*Note: Class held at the Monroe Center*

### BLD 121 - Introduction to Welding (4)

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

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

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.

1446	BLD121-1	TuTh	9am-4:30pm	1st 7-week
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2315	BLD121-2	MW	6pm-9pm	15-week
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*Note: Class held at the Monroe Center*

### BLD 122 - Advanced Welding: SMAW (3)

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

*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.

2316	BLD122-1	TuTh	9am-4:30pm	2nd 7-week
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*Note: Class held at the Monroe Center*

### BLD 125 - Advanced Welding: GTAW (3)

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

*Prerequisite: BLD 121; Prerequisite or Corequisite: BLD 120*

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

2137	BLD125-1C	TuTh	6pm-8:30pm	15-week
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*Note: Class held at the Monroe Center*

### BLD 128 - Advanced Welding: SMAW 4G (3)

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

*Prerequisite: BLD 122*

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

2317	BLD128-1C	TuTh	6pm-8:30pm	15-week
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*Note: Class held at the Monroe Center*

### BLD 141 - Fundamentals of Structural Wiring (4)

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

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

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

1447	BLD141-HYB1	TuTh	6pm-9pm	1st 7-week
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*Note: Class held at the Monroe Center*

### BLD 142 - Residential Electric (3)

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

*Prerequisite: BLD 141 or permission of program manager*

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

1448	BLD142-HYB1	TuTh	6pm-8:30pm	2nd 7-week
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*Note: Class held at the Monroe Center*

### BLD 145 - Commercial Electric (3)

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

*Prerequisite: BLD 142 or permission of program manager*

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

2318	BLD145-HYB1	MW	6pm-8:30pm	1st 7-week
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*Note: Class held at the Monroe Center*

### BLD 146 - Specialized Systems (3)

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

*Prerequisite: BLD 141 or permission of program manager*

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

2319	BLD146-HYB1	MW	6pm-8:30pm	2nd 7-week
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*Note: Class held at the Monroe Center*

## BPM: Bioprocessing Technology

### BPM 102 - Bioprocessing Environment (3)

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

Presents the tenets of Current Good Manufacturing Practices (cGMPs) and regulations relevant to the bioprocess manufacturing industry. Importance of inspections and monitoring are discussed. Work-related issues are introduced, such as workplace conduct, employer expectations, company organization and policy, personal safety, and industrial hygiene. May include one or more mandatory field trips and/or guest lecturers.

1683	BPM102-1	TuTh	9:30am-10:45am	15-week
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## BPM 103 - Laboratory Techniques I (1)

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

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

1684	BPM103-1	TuTh	11am-1:45pm	1st 7-week
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## BPM 110 - 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.

1685	BPM110-HYBC		Online Course	2nd 7-week
1686	BPM110-HYBB	TuTh	11am-1:45pm	2nd 7-week

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

## BPM 214 - 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.

2291	BPM214-HYBC		Online Course	15-week
2290	BPM214-HYBB	Tu	6:30pm-9pm	15-week



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

## BU: Business Studies

### BU 103 - 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.

1774	BU103-1	MW	9:30am-10:45am	15-week
1775	BU103-2	MW	11am-12:15pm	15-week
1776	BU103-3	MW	12:30pm-1:45pm	15-week
1777	BU103-4	TuTh	9:30am-10:45am	15-week
1778	BU103-5	TuTh	11am-12:15pm	15-week
1779	BU103-6	TuTh	12:30pm-1:45pm	15-week
1780	BU103-HYB1	M	2pm-3:15pm	15-week
1781	BU103-HYB2	Tu	6pm-8:35pm	1st 7-week
1784	BU103-HYB3	SAT	9am-11:35am	2nd 7-week Saturday
1782	BU103-ONL1		Online Course	15-week
1783	BU103-ONL2		Online Course	1st 7-week

### BU 109 - Entrepreneurship & Small Business Enterprise (3)

Explores starting and successfully managing a small business. Includes making the decision for self-employment, getting started (new business, going concern, franchising), marketing the product or service, achieving proactive financial management, a miscellany of management pointers for small businesses (personnel/inventory/control/managing risk) and regulations and taxes.

1785	BU109-HYB1	Tu	6pm-8:35pm	1st 7-week
1786	BU109-HYB2	Tu	6pm-8:35pm	2nd 7-week

### BU 110 - Personal Financial Management (3)

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

1787	BU110-ONL1		Online Course	15-week
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## BU 211 - Business Law I (3)

*Prerequisite:* EN 101

Introduces business law and its application to business activity. Includes contracts, agency and employment, negotiable instruments and sales.

1788	BU211-1	MW	2pm-3:15pm	15-week
1789	BU211-HYB1	Th	6pm-8:35pm	1st 7-week
1790	BU211-ONL1		Online Course	15-week

## BU 221 - 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.

1791	BU221-ONL1		Online Course	15-week
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## BU 223 - Human Resource Management (3)

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

Introduces basic concepts of Human Resource (HR) Management in organizations. Provides an overview of the primary elements of HR management, including human resource planning, recruitment, selection, training and development, performance management and employee motivation/retention, compensation and benefits, workplace safety, labor relations, and legal/ethical issues.

1792	BU223-ONL1		Online Course	15-week
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## BU 225 - Marketing (3)

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

Explores problems and organization of systems that distribute goods and services in the business world. Promotion through retail and wholesale parallels; consumer buying habits; pricing, budgeting, transportation and warehousing; and sources and uses of marketing information.

1793	BU225-1	MW	11am-12:15pm	15-week
1794	BU225-HYB1	W	6pm-8:35pm	2nd 7-week
1795	BU225-ONL1		Online Course	15-week

## BU 227 - Principles of Management (3)

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


Provides an introduction to basic principles of management in business and other organizations. Emphasizes management functions including planning, organizing, staffing, directing, controlling and coordinating. Explores the role leaders play in strategic planning, change management, innovation, decision making, and motivating employees/teams.

1796	BU227-HYB1	M	6pm-8:35pm	1st 7-week
1797	BU227-ONL1		Online Course	15-week

## BU 272 - Supervisory 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)

Prepares the student for the transition from employee to supervisor. The course evaluates styles of leadership and develops skills in human relations management.

1798	BU272-ONL1		Online Course	15-week
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## BU 273 - Business Communications (3)

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

Emphasizes the theory and practice of oral, written, and interpersonal communication used in the workplace. Classroom activities and assignments will focus on writing business correspondence and reports, planning and delivering effective presentations, and developing teamwork and collaboration skills.

1799	BU273-1	TuTh	11am-12:15pm	15-week
1800	BU273-ONL1		Online Course	15-week



## BU 281 - Global Awareness in the Work Environment (3)

Gen Ed Multicultural Perspect; 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 U.S. 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.

1801	BU281-1	TuTh	12:30pm-1:45pm	15-week
1802	BU281-ONL1		Online Course	15-week

## BU 290 - Project Management (3)

*Prerequisites:* 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.

2439	BU290-HYB1	Tu	6pm-8:45pm	15-week
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## BU/MA: Business/Mathematics

### BU/MA 205 - 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).

2380	BU/MA205-1	MW	12:30pm-1:45pm	15-week.
1387	BU/MA205-2	TuTh	9:30am-10:45am	15-week
1388	BU/MA205-3	M	6pm-8:35pm	15-week
2130	BU/MA205-ONL1		Online Course	15-week

## CAD: Computer Aided Design

### CAD 101 - Introduction to AutoCAD I (3)

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

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.

1804	CAD101-1	M	5pm-7:35pm	15-week
1803	CAD101-HYB1	Th	5pm-7:35pm	2nd 7-week

### CAD 102 - 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).

1805	CAD102-1	Tu	5pm-7:35pm	15-week
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### CAD 130 - 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.

1806	CAD130-HYB1	Th	5pm-7:35pm	1st 7-week
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## CAD 200 - 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.

1807	CAD200-HYB1	W	5pm-7:30pm	2nd 7-week
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## CAD 201 - Residential Architecture I (4)

*Prerequisite:* CAD 102

Introduces the basics of residential architecture. Content covers the language of architecture, the makeup of a set of plans, and the geometry of drawing parts of houses. Students will complete a set of plans and work with various disciplines for one house. Plans will be completed in AutoCad.

2300	CAD201-1	W	5pm-8:45pm	15-week
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## CAD 205 - 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.

2301	CAD205-1	M	5pm-7:35pm	15-week
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## CH: Chemistry

### CH 100 - Chemistry and Society (4)

Gen Ed Science

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

Intended for non-science majors. Explores important concepts of modern chemistry. Emphasizes connection between basic scientific principles and the current technologies of our society. Laboratory experiments illustrate the process of scientific discovery. No background in science is required. Will not serve as a prerequisite for CH 102, CH 201 or advanced science courses. For non-science majors.

1687	CH100-1LC	Th	8am-10:35am	15-week
1688	CH100-11LB	Tu	8am-10:30am	15-week

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

## CH 101 - General Chemistry (4)

*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 appropriate score on mathematics placement test)


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.

1689	CH101-1LC	MW	9:30am-10:45am	15-week
1690	CH101-11LB	M	11am-1:30pm	15-week
2286	CH101-12LB	W	11am-1:30pm	15-week

*Note:* Students registering for CH101-1LC must also register for CH101-11LB or CH101-12LB.

1691	CH101-2LC	MW	11am-12:15pm	15-week
1692	CH101-21LB	M	8am-10:30am	15-week
1693	CH101-3LC	MW	11am-12:15pm	15-week
1694	CH101-31LB	W	8am-10:30am	15-week
2409	CH101-4LC	MW	12:30pm-1:45pm	15-week
2410	CH101-41LB	M	2pm-4:30pm	15-week
1695	CH101-5LC	MW	12:30pm-1:45pm	15-week
1696	CH101-51LB	W	2pm-4:30pm	15-week
1697	CH101-6LC	TuTh	9:30am-10:45am	15-week
1698	CH101-61LB	Tu	11am-1:30pm	15-week
1699	CH101-7LC	TuTh	11am-12:15pm	15-week
1700	CH101-71LB	Th	8am-10:30am	15-week
1701	CH101-8LC	TuTh	12:30pm-1:45pm	15-week
1702	CH101-81LB	Tu	2pm-4:30pm	15-week
1703	CH101-9LC	TuTh	2pm-3:15pm	15-week
1704	CH101-91LB	Th	11am-1:30pm	15-week
1705	CH101-10LC	F	8am-10:35am	15-week
1706	CH101-101LB	F	11am-1:30pm	15-week
1707	CH101-11LC	SAT	9am-11:45am	14-week
1708	CH101-111B	SAT	12pm-2:45pm	14-week
1711	CH101-12LC	M	5pm-7:35pm	15-week
1712	CH101-121B	W	5pm-7:30pm	15-week
1709	CH101-13LC	Tu	6pm-8:35pm	15-week
1710	CH101-131B	Th	6pm-8:30pm	15-week

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

1713	CH101-ONL1		Online Course	15-week
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## CH 102 - General Chemistry (4)

*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.

1714	CH102-1LC	MW	11am-12:15pm	15-week
1715	CH102-11LB	W	12:30pm-3pm	15-week
1716	CH102-2LC	TuTh	9:30am-10:45am	15-week
1717	CH102-21LB	Tu	12:30pm-3pm	15-week
1720	CH102-3LC	F	8am-10:35am	15-week
1721	CH102-31LB	F	11am-1:30pm	15-week
1718	CH102-4LC	Tu	5:30pm-8:05pm	15-week
1719	CH102-41LB	Th	5:30pm-8pm	15-week

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

## CH 201 - 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.

1722	CH201-1LC	MW	2pm-3:15pm	15-week
1723	CH201-11LB	M	11am-1:55pm	15-week
2411	CH201-2LC	M	5:30pm-8:05pm	15-week
2412	CH201-21LB	W	5:30pm-8:25pm	15-week

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

## CH 202 - 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.

1724	CH202-1LC	TuTh	11am-12:15pm	15-week
1725	CH202-11LB	Th	12:30pm-3:25pm	15-week

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


## CIS: Computer and Information Sciences

### CIS 101 - 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.

1809	CIS101-HYB1	MW	8am-9:15am	13-week
1814	CIS101-HYB2	MW	9:30am-10:45am	13-week
1812	CIS101-HYB3	MW	11am-12:15pm	13-week
1813	CIS101-HYB4	MW	12:30pm-1:45pm	13-week
1815	CIS101-HYB5	MW	2pm-3:15pm	13-week
1822	CIS101-HYB6	MW	3:30pm-4:45pm	13-week
1816	CIS101-HYB7	TuTh	8am-9:15am	13-week
1817	CIS101-HYB8	TuTh	9:30am-10:45am	13-week
1819	CIS101-HYB9	TuTh	11am-12:15pm	13-week
1820	CIS101-HY10	TuTh	12:30pm-1:45pm	13-week
1821	CIS101-HY11	TuTh	2pm-3:15pm	13-week
1825	CIS101-HY12	M	6pm-8pm	2nd 10-week
1823	CIS101-HY13	W	5pm-6:30pm	13-week
1824	CIS101-HY14	Th	6:30pm-8:30pm	2nd 10-Week
1826	CIS101-ONL1		Online Course	15-week
1827	CIS101-ONL2		Online Course	13-week
1828	CIS101-ONL3		Online Course	2nd 10-Week
1829	CIS101-ONL4		Online Course	2nd 7-week

### CIS 106 - 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.

2097	CIS106-HYB1	MW	8am-9:15am	13-week
1830	CIS106-HYB2	MW	9:30am-10:45am	13-week
1831	CIS106-HYB3	MW	11am-12:15pm	13-week
1832	CIS106-HYB4	MW	12:30pm-1:45pm	13-week
1833	CIS106-HYB5	TuTh	9:30am-10:45am	13-week
1834	CIS106-HYB6	TuTh	11am-12:15pm	13-week
1835	CIS106-HYB7	TuTh	12:30pm-1:45pm	13-week
1836	CIS106-HYB8	TuTh	2pm-3:15pm	13-week
1838	CIS106-HYB9	M	5pm-7:30pm	2nd 10-week
1839	CIS106-HY10	W	5pm-6:30pm	13-week
1837	CIS106-HY11	W	6:45pm-9pm	2nd 10-Week
2244	CIS106-HY12	Th	6:45pm-9pm	13-week
2277	CIS106-ONL1		Online Course	13-week

### CIS 111E - 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.

1841	CIS111E-HYB1	M	5pm-6:15pm	13-Week
1842	CIS111E-ONL1		Online Course	13-week

### CIS 111J - Microcomputer Software Applications: Web Page Development (3)

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

Introduces modern web development tools for website construction. This course covers the topics relevant to the development of interactive websites, including conceptualization, design, layout, and visual stimulation. Students will learn HTML5, CSS3, and JavaScript.

2283	CIS111J-HYB1	Tu	7:15pm-9:15pm	2nd 10-Week
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### CIS 111L - 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.

1843	CIS111L-HYB1	W	5pm-6:15pm	13-week
2098	CIS111L-ONL1		Online Course	2nd 10-Week

### CIS 111M - PC Operating Systems (3)

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

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

1844	CIS111M-HYL1	M	2:30pm-3:45pm	13-week
<i>Note: Students must also register for CIS212-HYL1.</i>				
1846	CIS111M-HYL2	W	6pm-7:15pm	13-week
<i>Note: Students must also register for CIS212-HYL2.</i>				
1845	CIS111M-HYL3	Tu	5pm-6:15pm	13-week
<i>Note: Students must also register for CIS212-HYL3.</i>				
1847	CIS111M-HYL4	Th	4pm-5:15pm	13-week
<i>Note: Students must also register for CIS212-HYL4.</i>				
1848	CIS111M-ONLK		Online Course	2nd 7-week

*Note: Students must also register for CIS212-ONLK.*

### CIS 111R - 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.

1849	CIS111R-ONL1		Online Course	2nd 10-Week
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### CIS 117 - 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.

2354	CIS117-HYB1	Th	5pm-7pm	2nd 10-Week
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### CIS 118 - 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.

2355	CIS118-HYB1	W	6:30pm-8:30pm	2nd 10-Week
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### CIS 119 - 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.

2356	CIS119-HYB1	Th	7:15pm-9:15pm	2nd 10-Week
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### CIS 140 - 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.

1850	CIS140-HYB1	Th	5pm-6:30pm	13-week
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### CIS 170 - 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.

1851	CIS170-HYB1	W	9:30am-11:55am	2nd 7-week
1852	CIS170-HYB2	Tu	6:30pm-9pm	2nd 8-week
1853	CIS170-ONL1		Online Course	2nd 7-week

### CIS 173 - Healthcare Information Technology (3)

*Prerequisite or Corequisite:* CIS 101 or CIS 106

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

2284	CIS173-ONL1		Online Course	2nd 7-week
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### CIS 175 - 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.

1854	CIS175-HYB1	Tu	6:30pm-8:45pm	1st 7-week
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### CIS 176 - 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.

1855	CIS176-HYB1	Tu	6:30pm-8:45pm	2nd 8-week
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### CIS 177 - 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.

1856	CIS177-HYB1	Tu	2pm-4:30pm	1st 7-week
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### CIS 178 - 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.

1857	CIS178-HYB1	Tu	2pm-4:30pm	2nd 8-week
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### CIS 179 - 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.

2285	CIS179-HYB1	M	3:30pm-4:45pm	13-week
2102	CIS179-HYB2	W	2pm-3:15pm	13-week
1858	CIS179-HYB3	M	5pm-6:30pm	2nd 10-week
1859	CIS179-ONL1		Online Course	2nd 10-Week

### CIS 180 - 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.

1860	CIS180-HYB1	W	9:30am-11:55am	1st 7-week
1861	CIS180-HYB2	Tu	6:30pm-9pm	1st 7-week
1862	CIS180-ONL1		Online Course	1st 7-week

### CIS 190 - 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.

1863	CIS190-ONL1		Online Course	1st 7-week
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### CIS 191 - 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.

1864	CIS191-ONL1		Online Course	2nd 7-week
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### CIS 192 - 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.

1865	CIS192-HYB1	M	5pm-7:30pm	1st 7-week
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### CIS 193 - 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.

1866	CIS193-HYB1	M	5pm-7:30pm	2nd 7-week
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### CIS 200 - 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.

2103	CIS200-ONL1		Online Course	2nd 7-week
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### CIS 201 - Computer Science I (4)

*Prerequisites: MA 82 or MA 85 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.

1867	CIS201-HYB1	TuTh	11am-12:15pm	13-week
1868	CIS201-HYB2	Tu	6:45pm-9pm	13-week

### CIS 202 - 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).

1869	CIS202-HYB1	W	5pm-7pm	13-week
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### CIS 203 - 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.

1870	CIS203-HYB1	W	12:30pm-1:45pm	13-week
2104	CIS203-ONL1		Online Course	2nd 10-Week

### CIS 204 - Computer & Information Sciences Project (3)

*Prerequisite: CIS 203*

Student is assigned a project commensurate with their background and training and carries it through from system analysis and design to program preparation and implementation.

1871	CIS204-ONL1		Online Course	2nd 10-Week
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### CIS 208 - 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.

2292	CIS208-HYB1	M	6:30pm-9pm	2nd 10-Week
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### CIS 212 - 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.


1872	CIS212-HYL1	M	3:45pm-5pm	13-week
<i>Note: Students must also register for CIS111M-HYL1.</i>				
1874	CIS212-HYL2	W	7:15pm-8:30pm	13-week
<i>Note: Students must also register for CIS111M-HYL2.</i>				
1873	CIS212-HYL3	Tu	6:15pm-7:30pm	13-week
<i>Note: Students must also register for CIS111M-HYL3.</i>				
1875	CIS212-HYL4	Th	5:15pm-6:30pm	13-week
<i>Note: Students must also register for CIS111M-HYL4.</i>				
1876	CIS212-ONLK		Online Course	1st 7-week
<i>Note: Students must also register for CIS111M-ONLK.</i>				



### CIS 217 - 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.

1878	CIS217-HYB1	Th	5pm-6:30pm	13-week
1877	CIS217-ONL1		Online Course	2nd 10-Week

### CIS 218 - 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.

1879	CIS218-HYB1	Th	6:45pm-8:15pm	13-week
1880	CIS218-ONL1		Online Course	2nd 10-Week

### CIS 219 - 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.

1881	CIS219-HYB1	W	6:30pm-7:45pm	13-week
1882	CIS219-ONL1		Online Course	2nd 10-Week

### CIS 222 - Computer Organization (4)

*Prerequisite:* CIS 106

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

1883	CIS222-HYB1	W	7:15pm-8:30pm	2nd 10-Week
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### CIS 223 - 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.

1884	CIS223-HYB1	W	8pm-9:15pm	13-week
2105	CIS223-ONL1		Online Course	2nd 10-Week

### CIS 225C - Computer Programming Language: Mobile Applet Programming (3)

*Prerequisite:* CIS 106

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

2106	CIS225C-HYB1	Tu	5pm-6:30pm	13-week
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### CIS 227 - Game Programming (4)

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

1885	CIS227-HYB1	Th	5pm-7pm	13-week
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### CIS 228 - 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.

2293	CIS228-HYB1	M	5pm-7pm	2nd 10-Week
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### CIS 230 - Database Management Systems (3)

*Prerequisite:* CIS 106

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

2139	CIS230-HYB1	Tu	5pm-7pm	2nd 10-Week
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## CJ: Criminal Justice

### CJ 101 - 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.

1938	CJ101-1	MW	11am-12:15pm	15-week
2415	CJ101-2	TuTh	12:30pm-1:45pm	15-week
1939	CJ101-3	Tu	6pm-8:35pm	15-week
1940	CJ101-ONL1		Online Course	15-week

### CJ 110 - 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.

1941	CJ110-1	TuTh	9:30am-10:45am	15-week
1942	CJ110-2	M	6pm-8:30pm	15-week

### CJ 204 - Police Operational Services (3)

*Prerequisites:* CJ 101, CJ 110

Examines police operational techniques and strategies, incident analysis, patrol deployment, traffic enforcement theory and practice, crime prevention and community relations and the investigative process. Explores the police officer's role as a manager of community crime prevention resources. Includes analysis of recommended practices for maintaining police officers health and safety.

1945	CJ204-1	W	6pm-8:30pm	15-week
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### CJ 214 - The Correctional Process (3)

*Prerequisites:* [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and CJ 101

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

1944	CJ214-1	MW	12:30pm-1:45pm	15-week
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### CJ 220 - Criminal Evidence & Procedure (3)

*Prerequisite:* CJ 110

Examines the United States Constitutional limitations on law enforcement, emphasizing arrest, use of force and search and seizure. Rules of evidence of particular importance to the law enforcement function including: the hearsay rule and exceptions; documentary, opinion, corpus delicti and circumstantial evidence; character and past crimes; evidentiary privileges; jurisdiction and venue; and witnesses.

1946	CJ220-1	Tu	6pm-8:30pm	15-week
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## CMM: Communications Media

### CMM 101 - 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.

1152	CMM101-1	MW	8am-9:15am	15-week
2342	CMM101-2	MW	12:30pm-2:50pm	2nd 8-week
1153	CMM101-3	MW	2pm-3:15pm	15-week
1154	CMM101-ONL1		Online Course	15-week
1155	CMM101-ONL2		Online Course	2nd 8-week

### CMM 103 - 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.

2343	CMM103-1	MW	9:30am-10:45am	15-week
1156	CMM103-2	M	1pm-3:30pm	15-week
1157	CMM103-3	Tu	6pm-8:35pm	15-week
1158	CMM103-4	Th	6pm-8:35pm	15-week
1159	CMM103-ONL1		Online Course	15-week
1160	CMM103-ONL2		Online Course	2nd 8-week

### CMM 111 - 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.

1164	CMM111-1	MW	9:30am-10:45am	15-week
1165	CMM111-2	TuTh	11am-12:15pm	15-week
1166	CMM111-3	TuTh	12:30pm-1:45pm	15-week
1167	CMM111-4	TuTh	6pm-8:50pm	2nd 8-week

### CMM 112 - Communications Graphics II (3)

*Prerequisite:* CMM 111

Level two graphic design. Expands on Communications Graphics I. Students will solve a variety of design problems using the computer and contemporary graphics software. Real world design assignments will be given, allowing the student to gain experience in dealing with clients, meetings, project management, cost effectiveness, and color printing 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.

1183	CMM112-1	MW	11am-12:15pm	15-week
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### CMM 114 - 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 websites. 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.

1168	CMM114-1	Th	2pm-4:30pm	2nd 8-week
2434	CMM114-ONL1		Online Course	15-week

### CMM 115 - 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.

1169	CMM115-1	MW	12:30pm-1:45pm	2nd 5-week
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### CMM 132 - 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.

1170	CMM132-1	TuTh	9:30am-10:45am	15-week
1171	CMM132-2	Tu	2pm-4:30pm	15-week

### CMM 152 - 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.

1172	CMM152-1C	MW	9am-10:40am	15-week
1173	CMM152-2C	MW	1pm-2:40pm	15-week
1174	CMM152-3C	TuTh	9am-10:40am	15-week

### CMM 252 - 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.

1176	CMM252-1C	MW	9am-10:40am	15-week
1177	CMM252-2C	MW	1pm-2:40pm	15-week
1178	CMM252-3C	TuTh	9am-10:40am	15-week

### CMM 254 - 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.

1179	CMM254-1C	TuTh	1pm-2:40pm	15-week
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### CMM 256 - Television Studio Directing and Operations (4)

*Prerequisite:* CMM 152

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

1180	CMM256-1	TuTh	3:15pm-4:45pm	15-week
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### CMM 261 - Advanced Postproduction & Motion Graphics (4)

*Prerequisite:* CMM 254

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

1182	CMM261-1C	TuTh	1pm-2:40pm	15-week
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## CMSP: Communications Speech

### CMSP 101 - 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.

2123	CMSP101-1	MW	12:30pm-1:45pm	15-week
1217	CMSP101-2	TuTh	9:30am-10:45am	15-week
2424	CMSP101-3	TuTh	12:30pm-1:45pm	15-week

### CMSP 103 - 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.

1186	CMSP103-1	MW	8am-9:15am	15-week
1187	CMSP103-2	MW	9:30am-10:45am	15-week
1188	CMSP103-3	MW	11am-12:15pm	15-week
1189	CMSP103-4	MW	2pm-3:15pm	13-week

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

1190	CMSP103-5	TuTh	8am-9:15am	15-week
1191	CMSP103-6	TuTh	9:30am-10:45am	15-week
1192	CMSP103-7	TuTh	12:30pm-1:45pm	15-week
1193	CMSP103-8	TuTh	2pm-3:15pm	15-week
1194	CMSP103-9	TuTh	3:30pm-5pm	13-week
1195	CMSP103-10	M	5pm-7:35pm	15-week
1196	CMSP103-ONL1		Online Course	15-week

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

### CMSP 103H - 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.

1197	CMSP103H-1	TuTh	11am-12:15pm	15-week
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### CMSP 105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

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

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

2339	CMSP105-1	MW	8am-9:15am	15-week
1198	CMSP105-2	MW	9:30am-10:45am	15-week
1199	CMSP105-3	MW	11am-12:15pm	15-week
1200	CMSP105-4	MW	11am-12:15pm	15-week
1201	CMSP105-5	MW	12:30pm-1:45pm	15-week
1202	CMSP105-6	MW	2pm-3:15pm	15-week
1203	CMSP105-7	MW	3:30pm-4:45pm	15-week
1204	CMSP105-8	TuTh	8am-10:20am	2nd 8-week
1205	CMSP105-9	TuTh	9:30am-10:45am	15-week
2082	CMSP105-10	TuTh	11am-12:15pm	15-week
1207	CMSP105-11	TuTh	12:30pm-1:45pm	15-week
2425	CMSP105-12	TuTh	12:30pm-1:45pm	15-week
1208	CMSP105-13	TuTh	2pm-3:15pm	15-week
1209	CMSP105-14	TuTh	3:30pm-4:45pm	15-week
1206	CMSP105-15	Th	11am-2pm	13-week
1210	CMSP105-16	F	11am-2pm	13-week
1211	CMSP105-17	M	6pm-8:35pm	15-week
1212	CMSP105-18	Th	5pm-7:35pm	15-week
1213	CMSP105-19	TuTh	6pm-8:35pm	2nd 8-week

### CMSP 107 - 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.

1214	CMSP107-1	TuTh	9:30am-10:45am	15-week
1215	CMSP107-2	M	6pm-8:35pm	15-week
1216	CMSP107-ONL1		Online Course	15-week

*Note:* Mandatory on-campus session: Saturday, 10/7 at 9am-1pm

### CMSP 109 - Basic Conflict Mediation (3)

Gen Ed Communications

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

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

2426	CMSP109-1	MW	1pm-4pm	2nd 7-week
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## CON: Construction Management

### CON 101 - Construction Management (3)

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

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.

1886	CON101-ONL1		Online Course	15-week
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## CON 132 - Materials & Methods of Construction (3)

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

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.

1887	CON132-1	Tu	5pm-7:35pm	15-week
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## CON 140 - Architectural Blueprint Reading (3)

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

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.

2302	CON140-1	M	5pm-7:35pm	15-week
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## CON 203 - 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.

1888	CON203-1	Th	5pm-7:35pm	15-week
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## CON 204 - Construction Project Cost Estimating (3)

*Prerequisite: CON 101 or CAD 101, and CON 133; Note: students who do not have experience using spreadsheet*

*software (Excel) should take an introductory course in spreadsheet applications prior to taking this course.*

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.

1889	CON204-1	Tu	5pm-7:30pm	15-week
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## CON 206 - Construction Project Scheduling (3)

*Prerequisites: CON 101, CON 133, CON 140, and CIS 101*

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.

2303	CON206-1	W	5pm-7:35pm	15-week
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## EC: Economics

### EC 201 - 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.

1890	EC201-1	MW	9:30am-10:45am	15-week
1892	EC201-2	TuTh	8am-9:15am	15-week
1893	EC201-3	TuTh	9:30am-10:45am	15-week
1894	EC201-4	TuTh	11am-12:15pm	15-week
1891	EC201-HYB1	MW	2pm-3:15pm	15-week
1895	EC201-HYB2	SAT	9am-11:35am	2nd 7-week Saturday
1896	EC201-HYB3	M	6pm-8:35pm	1st 7-week
1897	EC201-HYB4	Tu	6pm-8:35pm	2nd 7-week
1898	EC201-ONL1		Online Course	15-week

### EC 201H - 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.

1899	EC201H-1	TuTh	12:30pm-1:45pm	15-week
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### EC 202 - Principles of Economics (3)

*Prerequisite: EC 201*

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

1900	EC202-1	MW	9:30am-10:45am	15-week
1901	EC202-2	TuTh	8am-9:15am	15-week
1902	EC202-HYB1	M	6pm-8:35pm	2nd 7-week
1903	EC202-ONL1		Online Course	15-week

## ECD: Early Childhood Development

### ECD 101 - 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.

1947	ECD101-1	TuTh	9:30am-10:45am	15-week
1948	ECD101-ONL1		Online Course	15-week

### ECD 104 - Activities I for Children (3)

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

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

1949	ECD104-1	MW	11am-12:15pm	15-week
1950	ECD104-HYB1	M	6pm-8:30pm	2nd 7-week

### ECD 106 - Infants & Toddlers Development and Care (3)

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

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

1951	ECD106-HYB1	W	6pm-8:30pm	1st 7-week
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### ECD 108 - Activities for the School-Age Child (3)

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

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

2433	ECD108-HYB1	M	6pm-8:30pm	1st 7-week
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### ECD 210 - 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).

1952	ECD210-1	Tu	9am-1pm	15-week
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## ED: Education

### ED 100 - 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.

1954	ED100-1	MW	9:30am-10:45am	15-week
1965	ED100-ONL1		Online Course	15-week

### ED 102 - 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.

1956	ED102-1	MW	11am-12:15pm	15-week
1955	ED102-2	TuTh	12:30pm-1:45pm	15-week
1958	ED102-ONL1		Online Course	15-week

### ED 202 - 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.

2416	ED202-1	MW	2pm-3:15pm	15-week
1960	ED202-ONL1		Online Course	15-week

### ED 203 - 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.

1961	ED203-1	MW	9:30am-10:45am	15-week
1962	ED203-ONL1		Online Course	15-week

### ED 214 - Processes and Acquisition of Reading (3)

*Prerequisites:* 30 credits including EN 101, PS 101 or teacher certification

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development and the study of current issues in reading research. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. The course includes an introduction to language structures, including spoken syllables, phonemes, graphemes, and morphemes. Participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, and exceptionalities. Participants will be introduced to current scientific research related to literacy acquisition.

1963	ED214-1	MW	12:30pm-1:45pm	15-week
1964	ED214-ONL1		Online Course	15-week





## ED/PS: Education/Psychology

### ED/PS 208 - 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.

1966	ED/PS208-1	MW	8am-9:15am	15-week
1967	ED/PS208-2	MW	11am-12:15pm	15-week
1968	ED/PS208-3	MW	12:30pm-1:45pm	15-week
2395	ED/PS208-4	MW	2pm-3:15pm	15-week
1969	ED/PS208-5	TuTh	9:30am-10:45am	15-week
1970	ED/PS208-6	TuTh	11am-12:15pm	15-week
1971	ED/PS208-7	W	6pm-8:35pm	15-week
1972	ED/PS208-ONL1		Online Course	15-week
1973	ED/PS208-ONL2		Online Course	15-week
1974	ED/PS208-ONL3		Online Course	2nd 8-week
1975	ED/PS208-ONL4		Online Course	2nd 8-week

## EG: Drafting Technology & Engineering

### EG 100 - Introductory Engineering Science (3)

*Prerequisites:* [(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.

1726	EG100-1	M	2pm-4:35pm	15-week
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### EG 110 - Engineering Statics (3)

*Prerequisite:* MA 210

Investigates that branch of physical science called mechanics. Mechanics deals with the state of rest or motion of bodies that are subjected to the action of forces. Statics is one branch of mechanics that deals with the equilibrium of bodies, i.e., those that are at rest or that move with a constant velocity. Includes theory and applications with an emphasis on developing ability to analyze problems.

1727	EG110-1	MW	12:30pm-1:45pm	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

### EM 104 - 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.

2430	EM104-ONL1		Online Course	15-week
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### EM 120 - Homeland Security (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.

2063	EM120-ONL1		Online Course	15-week
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## EM 130 - Integrated Emergency Management (3)

*Prerequisite: EM 102*

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

2320 EM130-ONL1  Online Course 15-week

## EM 201 - Research and Technology in Emergency Management (3)

*Prerequisite: EM 102*

Provides students with an overview of research and technology applications in emergency management. The course examines the principles of scientific research; evaluates existing research and technology; and applies the methods and resources of research, science, and technology to emergency management. Students will examine scientific research, research methodology, technology, evaluation, and utilizing research and technology in emergency management.

2321 EM201-ONL1  Online Course 15-week

## EM 203 - Social Impacts of Disaster (3)

Cultural Competence

*Prerequisite: EM 102*

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.

2322 EM203-1 Th 5pm-7:30pm 15-week

## EM 205 - Emergency Management Leadership (3)

*Prerequisite or Corequisite: EM 201*

Provides the student with understanding of leadership theories, skills, and techniques for application in emergency management. The course introduces the concept of effective leadership in emergency management by identifying leadership models utilized in managing across the life-cycle of the incidents along with evaluating current emergency management leaders.

2323 EM205-HYB1 Tu 5pm-7:30pm 15-week

## EM 210 - Emergency Management Capstone (3)

*Prerequisite: EN 101; Prerequisite or Corequisite: EM 205*

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

2324 EM210-HYB1 M 5pm-7:30pm 15-week

## EN: English

### EN 70 - 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.

2357 EN70-1 MTuWTh 9:30am-10:45am 15-week  
2358 EN70-2 MTuWTh 12:30pm-1:45pm 15-week  
2359 EN70-3 MW 6pm-8:30pm 15-week

### EN 75 - 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.

2360 EN75-1 MTuWTh 9:30am-10:40am 1st 10-Week  
2361 EN75-2 MTuWTh 9:30am-10:45am 1st 10-Week  
2362 EN75-3 MTuWTh 11am-12:15pm 1st 10-Week  
2363 EN75-4 MTuWTh 11am-12:15pm 1st 10-Week  
2364 EN75-5 MTuWTh 12:30pm-1:45pm 1st 10-Week  
2365 EN75-6 MTuWTh 2pm-3:15pm 1st 10-Week  
2366 EN75-7 TuTh 3pm-4:40pm 15-week  
2367 EN75-8 MW 6pm-7:40pm 15-week  
2368 EN75-9 TuTh 6pm-7:40pm 15-week

### EN 101 - English Composition (3)





Gen Ed English

*Prerequisites: ((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.

1494 EN101-1 MW 8am-9:15am 15-week  
1495 EN101-2 MW 8am-9:15am 15-week  
1497 EN101-3 MW 8am-9:15am 15-week  
1496 EN101-4 MW 9am-10:25am 13-week  
1498 EN101-5 MW 9:30am-10:45am 15-week  
1499 EN101-6 MW 9:30am-10:45am 15-week  
1500 EN101-7 MW 11am-12:15pm 15-week  
1501 EN101-8 MW 11am-12:15pm 15-week  
1502 EN101-9 MW 12:30pm-1:45pm 15-week  
1503 EN101-10 MW 12:30pm-1:45pm 15-week  
1504 EN101-11 MW 12:30pm-1:45pm 15-week  
1505 EN101-12 MW 2pm-3:15pm 15-week  
1506 EN101-13 MW 2pm-3:15pm 15-week  
1507 EN101-14 MW 3:30pm-4:45pm 15-week  
1508 EN101-15 MW 3:30pm-5:50pm 2nd 8-week  
1509 EN101-16 TuTh 8am-9:15am 15-week  
2398 EN101-17 TuTh 8am-9:15am 15-week  
1511 EN101-18 TuTh 9am-10:15am 15-week  
1510 EN101-19 TuTh 9:30am-10:45am 15-week  
1512 EN101-20 TuTh 11am-12:15pm 15-week  
1513 EN101-21 TuTh 11am-12:15pm 15-week  
1514 EN101-22 TuTh 11am-12:15pm 15-week

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

1515 EN101-23 TuTh 12:30pm-1:45pm 15-week  
1516 EN101-24 TuTh 12:30pm-1:45pm 15-week  
1517 EN101-25 TuTh 2pm-3:15pm 15-week  
1518 EN101-26 TuTh 2pm-3:15pm 15-week  
2397 EN101-27 TuTh 3:30pm-4:45pm 15-week  
1519 EN101-28 TuTh 3:30pm-4:45pm 15-week  
1520 EN101-29 F 9am-11:30am 15-week  
1521 EN101-30 SAT 9am-11:45am 14-week  
1522 EN101-31 M 6pm-8:30pm 15-week  
1523 EN101-32 Tu 6pm-8:30pm 15-week  
1524 EN101-33 W 6pm-8:30pm 15-week  
1525 EN101-34 Th 6pm-8:30pm 15-week  
1526 EN101-ONL1  Online Course 15-week  
1527 EN101-ONL2  Online Course 15-week  
1528 EN101-ONL3  Online Course 1st 8-week  
1529 EN101-ONL4  Online Course 2nd 8-week

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

1530	EN101-LK1	MW	8am-9:15am	15-week
1537	ACE100-LK1	MW	9:30am-10:20am	15-week
1531	EN101-LK2	MW	10:30am-11:45am	15-week
1538	ACE100-LK2	MW	12pm-12:50pm	15-week
2251	EN101-LK3	MW	10:30am-11:45am	15-week
2254	ACE100-LK3	MW	12pm-12:50pm	15-week
1532	EN101-LK4	MW	1pm-2:15pm	15-week
1539	ACE100-LK4	MW	2:30pm-3:20pm	15-week
2253	EN101-LK5	MW	1pm-2:15pm	15-week
2256	ACE100-LK5	MW	2:30pm-3:20pm	15-week
1533	EN101-LK6	TuTh	8am-9:15am	15-week
1540	ACE100-LK6	TuTh	9:30am-10:20am	15-week
1534	EN101-LK7	TuTh	10:30am-11:45am	15-week
1541	ACE100-LK7	TuTh	12pm-12:50pm	15-week
2252	EN101-LK8	TuTh	10:30am-11:45am	15-week
2255	ACE100-LK8	TuTh	12pm-12:50pm	15-week
1535	EN101-LK9	TuTh	1pm-2:15pm	15-week
1542	ACE100-LK9	TuTh	2:30pm-3:20pm	15-week
1536	EN101-LK10	W	5pm-7:30pm	15-week
1543	ACE100-LK10	W	7:40pm-9:20pm	15-week

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

Gen Ed English

*Prerequisites:* [(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.




1544	EN101H-1	MW	9:30am-10:45am	15-week
1545	EN101H-2	MW	2pm-3:15pm	15-week
1546	EN101H-3	F	10am-12:35pm	15-week

### EN 102 - 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.

1547	EN102-1	MW	8am-9:15am	15-week
1548	EN102-2	MW	9:30am-10:45am	15-week
1549	EN102-3	MW	11am-12:15pm	13-week
1550	EN102-4	MW	12:30pm-1:45pm	15-week
1551	EN102-5	MW	2pm-3:15pm	15-week
1552	EN102-6	TuTh	9:30am-10:45am	15-week
1553	EN102-7	TuTh	11am-12:15pm	15-week
1554	EN102-8	TuTh	12:30pm-1:45pm	15-week
1555	EN102-9	TuTh	2pm-3:15pm	15-week
1556	EN102-10	TuTh	3:30pm-5:45pm	1st 8-week
1557	EN102-11	F	9am-1:40pm	2nd 8-week
1558	EN102-12	M	6pm-8:30pm	15-week
1559	EN102-ONL1		Online Course	15-week
1560	EN102-ONL2		Online Course	15-week
1561	EN102-ONL3		Online Course	1st 8-week

### EN 115 - Technical Writing (3)

*Prerequisite:* EN 101

Develops the skills necessary for effective business, scientific and technical communication through situational writing. Includes work in audience analysis, letter and resume writing, informal and formal reports, graphics and presentations.

1562	EN115-ONL1		Online Course	15-week
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### EN 203 - American Literature (3)

Gen Ed Humanities

*Prerequisite:* EN 101

Surveys the literature of the United States from the Colonial period to the Civil War.

1563	EN203-1	MW	12:30pm-1:45pm	15-week
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### EN 206 - World Literature (3)

Gen Ed Humanities; Cultural Competence

*Prerequisite:* EN 101

Surveys major world writers from 1650 CE through the present.

1565	EN206-1	TuTh	3:30pm-4:45pm	15-week
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### EN 210 - Creative Writing I (A,B, etc) (3)

*Prerequisite:* EN 101

Introduces skills of writing narrative fiction and/or poetry and/or drama. The complexities of creative writing as a craft and an art are explored through analysis of representative works, study of techniques and extensive practice.

1566	EN210-1	MW	2pm-3:15pm	15-week
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### EN 212 - Newswriting and Reporting (3)

*Prerequisite:* EN 101

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.

1567	EN212-1C	TuTh	2pm-3:15pm	15-week
1568	EN212H-1C	TuTh	2pm-3:15pm	15-week

### EN 216 - The Short Story (3)

Gen Ed Humanities

*Prerequisite:* EN 101

Surveys a wide variety of short stories that explore themes relevant to life experiences. Analyzes the elements of the short story with emphasis on thematic development and relevance of the stories to life experiences in a variety of cultures and nations.

2099	EN216-ONL1		Online Course	15-week
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### EN 223 - Classical Mythology (3)

*Prerequisite:* EN 101

Surveys Greek and Roman mythology, emphasizing the impact it has had on Western literature, art, music and human culture throughout the ages. Attention will also be paid to the sites of the ancient world that have gained special significance through these myths.

1570	EN223-1	W	6pm-8:30pm	15-week
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### EN 227 - Literature: Multicultural Perspectives (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Multicultural Perspective

*Prerequisite:* EN 101

Examines the diverse views of humankind and the human condition through the reading of selected works from a variety of cultures, both Western and Non-Western.

1571	EN227-1C	TuTh	12:30pm-1:45pm	15-week
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### EN 231 - English Language Studies (3)

Gen Ed Humanities

*Prerequisite:* EN 101

Introduces English language studies through a linguistics perspective, promoting a systematic approach to the study of language. Focuses on prescriptive versus descriptive approaches to grammar and syntax; sub-disciplines of linguistics: phonology, morphology, semantics, stylistics, discourse analysis, and sociolinguistics; English language variation, change, and development; and the role of English language in a multicultural society.

1573	EN231-ONLC		Online Course	15-week
1574	EN231H-ONLC		Online Course	15-week

## EN/CMM 241 - Journalism Publication Practicum (3)

Gen Ed Humanities; Gen Ed Communications; Cultural Competence

*Prerequisite:* EN 101

Provides instruction and laboratory experience in writing, editing, designing, and publishing print and digital content for The Commuter. Students receive practical experience in journalistic and social media content, curation, editing, design, photography, and digital production using industry standard software. Students will create and produce three journalistic publications per semester.

1569	EN/CMM241-1	MW	2pm-3:15pm	15-week
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## ESL: ESL (English as a Second Language)

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

### ESL 70 - 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.

1575	ESL70-1	MW	9am-10:45am	15-week
1576	ESL70-2	SAT	9am-12:30pm	14-week
2272	ESL70-3	TuTh	6pm-7:55pm	13-week

### ESL 71 - Academic Grammar & Writing I (0) [4]

*Prerequisite:* Placement on the college's ESL assessment (LOEP)

Designed for students whose native language is not English, but who have a working knowledge and understanding of the English language. Includes integrated instruction in grammar and writing with emphasis on developing the grammar proficiency for academic writing necessary for success in subsequent ESL courses.

1577	ESL71-1	TuTh	9am-10:45am	15-week
2273	ESL71-2	MW	6pm-7:55pm	13-week

### ESL 72 - 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.

1578	ESL72-1	MW	11am-12:45pm	15-week
2274	ESL72-2	SAT	9am-12:30pm	14-week
1579	ESL72-3	TuTh	6pm-7:55pm	13-week

### ESL 73 - 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.

1580	ESL73-1	TuTh	9am-10:45am	15-week
1581	ESL73-2	MW	6pm-7:55pm	13-week

## FSA: Fire Service Administration

### FSA 101 - Fire Protection Systems (3)

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

Provides information relating to the design features and operation of fire alarm systems. Design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, special hazard fire suppression systems, water supply for fire protection, and evaluation of sprinkler system designs will be examined.

2108	FSA101-1	F	8am-11am	15-week
2109	FSA101-2	Th	7pm-10pm	15-week

### FSA 103 - Fire Investigation and Analysis (3)

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

Examines technical, investigative, legal, and managerial approaches to arson. Includes the fundamentals needed for proper fire science interpretation, recognition of origin and cause, preservation and documentation of evidence, scene security, motives of the fire setter, and types of fire causes.

2110	FSA103-1	M	8am-11am	15-week
2111	FSA103-2	Tu	8am-11am	15-week

### FSA 201 - Fire and Emergency Services Administration (3)

*Prerequisite:* FSA 101; *Prerequisite or Corequisite:* EN 101

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. New technologies, changing organizational structures, personnel and equipment, municipal fire protection planning, manpower and training, and financial management are examined. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer.

*Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.*

2112	FSA201-1	Th	7pm-10pm	15-week
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## GG: Geography

### GG 101 - 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.

1976	GG101-1	MW	9:30am-10:45am	15-week
1977	GG101-ONL1		Online Course	13-week

### GG 102 - Cultural Geography (3)

Gen Ed Geography; Cultural Competence

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

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

1978	GG102-1	TuTh	11am-12:15pm	15-week
1979	GG102-ONL1		Online Course	13-week





## HE: Health Education

### HE 102 - Nutrition in a Changing World (3)

Gen Ed Wellness

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

Presents the basic principles of human nutrition with emphasis on the nutrients and factors that affect their use in the human body.

1001	HE102-1	MW	9:30am-10:45am	15-week
1002	HE102-2	MW	12:30pm-1:45pm	15-week
1003	HE102-3	MW	2pm-3:15pm	15-week
1005	HE102-4	TuTh	11am-1:30pm	2nd 7-week
1004	HE102-5	TuTh	2pm-3:15pm	15-week
1006	HE102-6	M	5pm-7:35pm	15-week
1007	HE102-ONL1		Online Course	15-week
1008	HE102-ONL2		Online Course	15-week
1009	HE102-ONL3		Online Course	1st 8-week
1010	HE102-ONL4		Online Course	2nd 8-week

### HE 110 - Nutrition Basics (1)

Applies a basic knowledge of nutrition to enable the students to make good dietary decisions. Provides a basis for discerning healthy diets.

1011	HE110-1	Th	11am-1pm	2nd 7-week
1012	HE110-ONL1		Online Course	1st 7-week



## HE 115 - Stress Management Techniques (1)

Introduces the basic concepts of stress management and focuses on coping strategies and techniques to reduce stress.

1013	HE115-1	F	9:30am-11:30am	2nd 7-week
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## HE 120 - CPR/AED and Basic First Aid (1)

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

Introduces the student to the basics of emergency first aid treatment and safety. Students successfully completing this course will receive the American Heart Association (AHA) HeartSaver certification in First Aid, Cardio Pulmonary Resuscitation (CPR), and Automated External Defibrillator (AED).

1014	HE120-1	TuTh	9:30am-10:45am	2nd 7-week
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## HE 130 - 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.

2346	HE130-1	MW	9:30am-10:45am	13-week
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## HE 200 - 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.

2345	HE200-1	TuTh	11am-1:30pm	1st 8-week
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## HE 201 - Stress Management (3)

Gen Ed Wellness

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


Examines current theories regarding the nature and sources of stress in life. Students are introduced to the physiology and psychology of stress. A variety of stress management techniques and coping strategies are explored.

1015	HE201-1	MW	11am-12:15pm	15-week
1016	HE201-2	M	1pm-3:30pm	15-week
1017	HE201-3	TuTh	12:30pm-1:45pm	15-week
1018	HE201-4	TuTh	2pm-3:15pm	15-week
1019	HE201-5	Tu	5pm-7:35pm	15-week
1020	HE201-ONL1		Online Course	15-week
1021	HE201-ONL2		Online Course	15-week

## HE 204 - Health 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)  
*OR Corequisite:* EN 75

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

1022	HE204-1	MW	12:30pm-1:45pm	15-week
1023	HE204-2	TuTh	9:30am-10:45am	15-week
1024	HE204-3	TuTh	11am-12:15pm	15-week
1025	HE204-4	Tu	1pm-3:30pm	15-week
1026	HE204-HYB1	M	2pm-3:30pm	15-week
1027	HE204-ONL1		Online Course	15-week

## HI: History

### HI 101 - 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.

1980	HI101-1	MW	8am-9:15am	15-week
1981	HI101-2	MW	3:30pm-4:45pm	15-week
1982	HI101-3	TuTh	11am-12:15pm	15-week
1983	HI101-4	TuTh	12:30pm-1:45pm	13-week

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

1984	HI101-ONL1		Online Course	15-week
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### HI 102 - History of Western Civilization (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 Western history from 1500 to the present.

1985	HI102-1	TuTh	11am-12:15pm	15-week
1986	HI102-2	TuTh	2pm-3:15pm	15-week

### HI 201 - History of the United States (3)

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

Examines the economic, political and social forces that have shaped the patterns of life, institutions and thought in the United States through the Civil War.

1987	HI201-1	MW	9:30am-10:45am	15-week
1988	HI201-2	MW	12:30pm-1:45pm	15-week
1993	HI201-3	W	6pm-8:35pm	15-week
1989	HI201-ONL1		Online Course	13-week

### HI 202 - History of the United States (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 United States history from Reconstruction to the present.

1990	HI202-1	MW	11am-12:15pm	15-week
1991	HI202-2	TuTh	3:30pm-4:45pm	15-week
1992	HI202-ONL1		Online Course	13-week

### HI 212 - Civil War (3)

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

Examines the causes of the Civil War, the constitutional crisis confronting the Union, the conduct of the war by both the Union and Confederacy, the economic and social conditions of the homefront, the status and condition of African Americans and the wartime origins of Reconstruction.

2417	HI212-1	Tu	6pm-8:35pm	15-week
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### HI 217 - African-American History (3)

Gen Ed Multicultural Perspect; Cultural Competence; 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 African-American history from the arrival of the first Africans in 1619 to the present. Includes the major economic, political, and social forces that have helped shape the role of the African American in the history of America.

2113	HI217-1	TuTh	9:30am-10:45am	15-week
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## HOS: Hospitality Culinary Tourism

*Note: Classes held at the Monroe Center*

### HOS 110 - Introduction to Hospitality 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) AND (MA 80 or appropriate score on mathematics placement test)*

Develops an understanding of the hospitality industry and introduces the student to the career opportunities available. Provides a basic understanding of the organizational structure and departmental functions within hotel and foodservice establishments. Examines the forces and issues that are shaping the current and future hospitality industry. Develops an understanding of competition and the role of management in providing product and service excellence. Various types of operations will be discussed emphasizing value chain analysis and defining service as competitive advantage.

2304	HOS110-HYB1	Tu	9am-11:40am	1st 7-week
1904	HOS110-HYB2	Tu	6pm-8:40pm	1st 7-week

### HOS 111 - Culinary Fundamentals (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) AND (MA 80 or appropriate score on mathematics placement test); Prerequisite or Corequisite: HOS 121*

Examines the basic concepts related to the preparation of food and introduces culinary terms. Demonstrates skills in knife usage, equipment identification and handling. Reviews issues related to menu planning, recipe development and cost control. Identifies skills and attributes needed to fill entry level culinary and food service positions. Discusses careers in restaurants and food/beverage operations. Students learn resume writing and job interviewing techniques.

1905	HOS111-1	M	1pm-4pm	1st 5-week
2208	HOS111-2	SAT	9am-12pm	1st 5-week

### HOS 112 - Culinary I (3)

**Culinary fee: \$121**

*Prerequisite: HOS 111 and grade of C or better in HOS 121*

Introduces the fundamental concepts, skills, and techniques involved in basic food preparation and cookery. Emphasis is placed on recipe conversion, measurements, terminology, knife skills, safe food handling, cooking methods, flavorings, seasonings, stocks, sauces, soups, vegetables and starches. Extra fees required.

1906	HOS112-1	M	9am-4pm	2nd 10-Week
2140	HOS112-2	SAT	9am-4pm	2nd 10-Week

*Note: Students are required to have a proper chef uniform and basic knife kit. Both may be purchased at the FCC Bookstore on campus.*

### HOS 113 - Culinary II (3)

**Culinary fee: \$121**

*Prerequisite: HOS 112*

Emphasizes meat, poultry and seafood fabrication and cookery; small sauces; and plate presentation. Recipe conversion, measurements, terminology, knife skills, sanitation and safe food handling, cooking methods, seasoning, vegetable and starch cookery are reinforced. Extra fees required.

2307	HOS113-1	Th	9am-2pm	15-week
2306	HOS113-2	Th	4:30pm-9:30pm	15-week

### HOS 114 - Culinary Baking (3)

**Culinary fee: \$121**

*Prerequisite or Corequisite: HOS 111 and HOS 121*

Applies the fundamentals of baking science to the preparation of a variety of products. Examines the use and care for equipment normally found in the bake shop or baking area. Extra fees required.

1907	HOS114-1	Tu	9am-2pm	15-week
2305	HOS114-2	Tu	4:30pm-9:30pm	15-week

*Note: Students are required to have a proper chef uniform and basic knife kit. Both may be purchased at the FCC Bookstore on campus.*

### HOS 121 - Sanitation and Food Safety (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)*

Develops an understanding of basic principles of sanitation and safety in hospitality operations. The course focuses on prevention of foodborne illnesses and introduces the student to HACCP planning and implementation. Successful passing of the National Restaurant Association exam provides certification as a 'ServSafe Food Protection Manager.' Students will develop a HACCP plan.

1908	HOS121-1	M	9am-12pm	1st 5-week
2207	HOS121-2	SAT	12:30pm-3:30pm	1st 5-week

### HOS 123 - 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.

2310	HOS123-1	Tu	9am-11:40am	2nd 7-week
2311	HOS123-2	Tu	6pm-8:40pm	2nd 7-week

### HOS 161 - Event 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)*

Presents all aspects of planning and implementing an event for success. Includes a real-life project where students will be involved in a hands-on experience of planning an event while utilizing the skills learned in class.

2312	HOS161-HYB1	W	9am-11:40am	1st 7-week
2313	HOS161-HYB2	W	6pm-8:40pm	1st 7-week

### HOS 163 - Hospitality Operations (3)

*Prerequisite or Corequisite: HOS 110 and HOS 121*

Explores the primary responsibilities of a hospitality manager and the principles and practices involved in managing the day-to-day operations of a hospitality business. Topics include various aspects of hospitality operations such as utilizing hospitality applications and systems, delivering excellent customer service, managing complaints and resolving conflicts, maximizing sales, reading financial reports, determining staffing needs, understanding safety and security risks and controls, front office and housekeeping operations, and facility maintenance.

2325	HOS163-HYB1	Th	9am-11:40am	2nd 7-week
2326	HOS163-HYB2	Th	6pm-8:40pm	2nd 7-week

### HOS 210 - Garde Manger (3)

**Culinary fee: \$121**

*Prerequisite: HOS 113 or permission of program manager*

Provides students with skills and knowledge of the organization, equipment, and responsibilities of the 'cold kitchen.' Students prepare appetizers, canapés, hors d'oeuvres, cold sauces, salads, and dressings. Introduces basic charcuterie items including pates, terrines, forcemeats, and sausages. Students learn about cheeses and how to create cheese platters, charcuterie platters, fruit and vegetable garnishes, buffet production, and buffet presentation. Introduces modern culinary techniques and cooking methods.

2141	HOS210-1	F	9am-2pm	15-week
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### HOS 214 - Advanced Baking & Pastry (3)

**Culinary fee: \$121**

*Prerequisite: HOS 114*

Builds on previous knowledge and increases proficiency in baking and pastry techniques for production. Students will explore and demonstrate a broad spectrum of classical vs. modern applications of cakes, French pastries, and tarts. Students will sharpen their skills in mixing and shaping of breads, including artisan breads. The focus of the course will be on artistry and innovation in baked goods merged with practical skills.

2308	HOS214-1	W	9am-2pm	15-week
2309	HOS214-2	W	4:30pm-9:30pm	15-week

## HOS 216 - Food and Beverage Operations (3)

Prerequisite: HOS 110

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.

2377 HOS216-HYB1 W 6pm-8:40pm 2nd 7-week

## H: Honors College

Many courses available at Frederick Community College (FCC) are offered in an honors format. The courses have the same approved core learning outcomes and content requirements as regular courses. Honors courses are smaller, emphasize critical thinking/research projects, and typically stress a high level of reading, writing, and discussion. In addition to prerequisites listed for individual honors courses, prerequisites for all honors courses include testing placement or the recommendation of a faculty member or the student's advisor. Course descriptions and prerequisites for courses being offered in a given semester are listed under their academic area in this catalog.

## CMSP 103H - 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.

1197 CMSP103H-1 TuTh 11am-12:15pm 15-week

## EC 201H - 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.

1899 EC201H-1 TuTh 12:30pm-1:45pm 15-week

## EN 101H - English Composition (3)

Gen Ed English

Prerequisites: [(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.

1544 EN101H-1 MW 9:30am-10:45am 15-week

1545 EN101H-2 MW 2pm-3:15pm 15-week

1546 EN101H-3 F 10am-12:35pm 15-week

## EN 212H - Newswriting and Reporting (3)

Prerequisite: EN 101

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.

1568 EN212H-1C TuTh 11am-12:15pm 15-week

## EN 231H - English Language Studies (3)

Gen Ed Humanities

Prerequisite: EN 101

Introduces English language studies through a linguistics perspective, promoting a systematic approach to the study of language. Focuses on prescriptive versus descriptive approaches to grammar and syntax; sub-disciplines of linguistics: phonology, morphology, semantics, stylistics, discourse analysis, and sociolinguistics; English language variation, change, and development; and the role of English language in a multicultural society.

1574 EN231H-ONLC  Online Course 15-week

## PC 104H - 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 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.

2378 PC104H-1 W 12:30pm-3:05pm 15-week

## PS 101H - 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.

2121 PS101H-1 MW 11am-12:15pm 15-week

## IS: Independent Study Honors

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC. Corequisite: IS 912H. Contact the honors coordinator for admissions standards, 301.846.2535.

### IS 900H - Independent Study - Biology Honors (3)

2068 IS900H-1 TBA 15-week

### IS 901H - Independent Study - Communication Honors (3)

2069 IS901H-1 TBA 15-week

### IS 902H - Independent Study - English Honors (3)

2070 IS902H-1 TBA 15-week

### IS 903H - Independent Study - Mathematics Honors (3)

2071 IS903H-1 TBA 15-week

### IS 904H - Independent Study - Psychology Honors (3)

2072 IS904H-1 TBA 15-week

### IS 905H - Independent Study - Sociology Honors (3)

2073 IS905H-1 TBA 15-week

### IS 909H - Independent Study - Art Honors (3)

2074 IS909H-1 TBA 15-week

### IS 910H - Independent Study - Physical Science Honors (3)

2075 IS910H-1 TBA 15-week

### IS 911H - Independent Study - History Honors (3)

2076 IS911H-1 TBA 15-week

### IS 912H - Honors Forum (1)

2077 IS912H-1 TBA 2nd 7-week

2078 IS912H-2 TBA 2nd 7-week

## HS: Human Services

### HS 102 - 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.

1994	HS102-1	MW	9:30am-10:45am	15-week
1995	HS102-2	MW	12:30pm-1:45pm	15-week
1996	HS102-3	MW	3:30pm-4:45pm	15-week
1997	HS102-4	TuTh	8am-9:15am	15-week
1998	HS102-5	TuTh	9:30am-10:45am	13-week

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

1999	HS102-6	TuTh	12:30pm-1:45pm	15-week
2000	HS102-7	TuTh	2pm-3:15pm	15-week
2001	HS102-8	SAT	9am-1:40pm	2nd 8-week
2002	HS102-9	Tu	5pm-7:35pm	15-week
2003	HS102-ONL1	📱	Online Course	15-week

### HS 103 - 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.

2004	HS103-1	MW	12:30pm-1:45pm	15-week
2005	HS103-2	M	5pm-7:35pm	15-week

### HS 203 - Introduction to Counseling and Interviewing (3)

*Prerequisite:* PS 101

Presents an overview of counseling theory, with focus on the development of specific helping behaviors.

2006	HS203-1	TuTh	2pm-3:15pm	15-week
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### HS 204 - 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.

2007	HS204-HYB1	F	1:30pm-3:30pm	15-week
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## HU: Humanities

### HU 104 - Introduction to Digital Humanities (3)

Gen Ed Humanities

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

Introduces the student to the digital tools that are transforming the study of the humanities as well as the processes for planning, managing, and evaluating digital humanities projects. Equips the student to apply digital tools and techniques to a variety of disciplines including English, History, Philosophy, and Social Sciences.

2336	HU104-HYB1	MW	12:30pm-1:45pm	15-week
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## ID: Interdisciplinary Studies

### ID 225 - Disaster, Crisis and 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)

Introduces students to the dynamic and relevant world of disaster, crisis and emergency management. Through the review of the history, social, political, and economic implications of disasters, students have the opportunity to explore the world of Emergency Management and experience the thrill of serving and the heartache of devastation. Students gain experience with effective writing, critical thinking skills, and historical and social awareness as they travel through the emergencies of past, present and future.

2064	ID225-1	TuTh	11am-12:15pm	15-week
2065	ID225-ONL1	📱	Online Course	15-week

## INTR: Internship

### INTR 101 - Internship (1)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

2079	INTR101-1	TBA	15-week
2142	INTR101-2	TBA	2nd 10-Week
2143	INTR101-3	TBA	13-week
2144	INTR101-4	TBA	2nd 7-week
2145	INTR101-5	TBA	2nd 8-week

### INTR 102 - Internship (2)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

2180	INTR102-1	TBA	15-week
2146	INTR102-2	TBA	2nd 10-Week
2147	INTR102-3	TBA	13-week
2148	INTR102-4	TBA	3rd 5-week
2149	INTR102-5	TBA	2nd 7-week
2150	INTR102-6	TBA	2nd 8-week
2243	INTR102-7	TBA	2nd 5-week
2242	INTR102-8	TBA	15-week
2234	INTR102-HS	TBA	15-week

*Note: Human Services students only*



## INTR 103 - Internship (3)

Provides the student with an opportunity to gain knowledge and skills from a planned work experience in the student's chosen career field. In addition to meeting Core Learning Outcomes, jointly developed Specific Learning Outcomes are selected and evaluated by the Faculty Internship Advisor, Work-Site Supervisor, and the student. Internship placements are directly related to the student's program of study and provide learning experiences not available in the classroom setting. Internships provide entry-level, career-related experiences, and workplace competencies that employers value when hiring new employees. Internships may also be used as an opportunity to explore career fields. Students must meet with the Internship Coordinator prior to registering.

2329	INTR103-1	TBA	15-Week
2330	INTR103-2	TBA	2nd 10-Week
2331	INTR103-3	TBA	13-week
2332	INTR103-4	TBA	3rd 5-week
2333	INTR103-5	TBA	2nd 7-week
2334	INTR103-6	TBA	2nd 8-week

## ITR: Sign Language Interpreting

### ITR 104 - 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.

2374	ITR104-1	Tu	5pm-7:35pm	15-week
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### ITR 110 - Interactive Discourse Analysis (3)

*Prerequisite: ITR 104; Corequisites: ITR 112 and ITR 114*

Focuses on the analysis of discourse in dialogic genres of English and American Sign Language (ASL). Awareness of the features of language use in everyday life. Students transcribe and analyze interaction discourse features of conversations, explanations, interviews, discussions, and other types of dialogue genres while reading and discussing theoretical notions underlying language use.

2371	ITR110-1	W	5pm-7:35pm	15-week
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### ITR 112 - 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.

2372	ITR112-1	TuTh	5pm-6:15pm	15-week
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### ITR 114 - 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.

2373	ITR114-1	TuTh	6:30pm-7:45pm	15-week
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## LA: Paralegal

### LA 100 - Introduction to Law (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*

Presents an overview of the legal profession. Covers responsibilities of the legal assistant professional. Includes structure of the American Legal System, law office management, standard operating procedures, office automation and computerization, interviewing and investigation, and basic legal theories, concepts, research and writing.

2011	LA100-HYB1	SAT	9am-1:15pm	1st 7-week Saturday
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### LA 103 - 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.

2115	LA103-ONL1		Online Course	15-week
2237	LA103-ONL2		Online Course	15-week

### LA 104 - Contracts (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 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.

2116	LA104-HYB1	Tu	12:30pm-1:45pm	15-week
2117	LA104-ONL1		Online Course	15-week

### LA 105 - Torts (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 the fundamental principles of tort law. Includes intentional torts, negligence, and strict liability. Examines the various types of damages that can be awarded and what needs to be established to collect such damages.

2298	LA105-ONL1		Online Course	15-week
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### LA 106 - Law & Technology (3)

*Prerequisite: 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.

2118	LA106-ONL1		Online Course	2nd 8-week
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### LA 110 - Legal Research (3)

*Corequisite: LA 100*

Offers working knowledge of techniques of legal research. Includes assigned problems in legal research and basic knowledge of Shepard's Citation, West's Digest System and Key Numbers; American Law Reports; legal periodicals; federal and state statutes; legislative history resource materials; and other legal research tools. Stresses proper citation forms, along with briefing of cases and memo preparation. Includes the use of computers in legal research.

2119	LA110-HYB1	W	6pm-8:30pm	15-week
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### LA 120 - Legal Writing and Documents (3)

*Prerequisites: EN 101, LA 110*

Offers working knowledge of techniques of legal writing in the preparation of legal documents. Specifically for the legal assistant, course covers various types of legal documents including leases, contracts, wills, memoranda, pleadings, trial briefs, legal correspondence and legislative drafting.

2299	LA120-HYB1	M	6pm-8:30pm	1st 7-week
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## LC: Chinese

### LC 101 - 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.

2337	LC101-1	TuTh	12:30pm-1:45pm	15-week
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## LF: French

### LF 101 - Introductory French I (3)

Presents study of French grammar and vocabulary with selected readings in contemporary literature. Develops competence in and knowledge of French language and culture.

1219	LF101-1	MW	12:30pm-1:45pm	15-week
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1220	LF101-ONL1	📱	Online Course	15-week
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*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

### LF 102 - Introductory French II (3)

*Prerequisite: LF 101*

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

2338	LF102-1	MW	2pm-3:15pm	15-week
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## LG: German

### LG 101 - 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.

1221	LG101-1	TuTh	2pm-3:15pm	15-week
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*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

### LG 102 - Introductory German II (3)

*Prerequisite: LG 101*

Continuation of LG 101. Introduces more complicated readings.

1222	LG102-1	TuTh	3:30pm-4:45pm	15-week
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## LL: Latin

### LL 101 - Introductory Latin I (3)

Introduces classical Latin language. Presents the study of Latin grammar and vocabulary with the goal of developing reading skills in the language. Offers insight into Roman literature, thought and expression through the reading of Latin sentences and passages derived from ancient authors.

1223	LL101-1	Tu	5pm-7:35pm	15-week
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*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

## LR: Russian

### LR 101 - Introductory Russian I (3)

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

1225	LR101-1	MW	5pm-6:15pm	15-week
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## LS: Spanish

### LS 101 - 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.

1226	LS101-1	MW	9:30am-10:45am	15-week
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1227	LS101-2	MW	11am-12:15pm	15-week
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2085	LS101-3	MW	2pm-3:15pm	15-week
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1228	LS101-4	TuTh	11am-12:15pm	13-week
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*Note: This web enhanced course requires completion of additional online assignments.*

1229	LS101-5	TuTh	12:30pm-1:45pm	15-week
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2084	LS101-6	Tu	6pm-8:35pm	15-week
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1231	LS101-ONL1	📱	Online Course	15-week
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### LS 102 - Introductory Spanish II (3)

*Prerequisite: LS 101*

A continuation of LS 101. Introduces more complicated readings.

1232	LS102-1	MW	11am-12:15pm	15-week
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2427	LS102-ONL1	📱	Online Course	15-week
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### LS 201 - Intermediate Spanish I (3)

Gen Ed Humanities; Cultural Competence

*Prerequisite: LS 102*

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.

1234	LS201-1	TuTh	12:30pm-1:45pm	15-week
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### LS 211 - Spanish Conversation I (3)

Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

1235	LS211-1	TuTh	2pm-3:15pm	15-week
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## MA: Mathematics

### MA 82 - Intermediate Algebra (0) [4]

*Prerequisites: A grade of B or better in MA 81 or appropriate score on mathematics placement test, and placement in EN 70 or ESL 70 or higher on the reading placement test*

Develops intermediate algebra skills with a graphing approach. Topics include linear equations, systems of equations, quadratic equations, functions, exponents, radical functions, exponential functions, logarithmic functions, polynomial functions, and rational functions. Technology is integrated with traditional skill practice throughout the course.

1344	MA82-1	MW	9am-10:40am	15-week
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1345	MA82-2	MW	11am-12:40pm	15-week
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1346	MA82-3	MW	1pm-2:40pm	15-week
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1347	MA82-4	TuTh	9am-10:40am	15-week
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1348	MA82-5	TuTh	11am-12:40pm	2nd 10-week
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*Note: This web enhanced course requires completion of additional online assignments.*

1349	MA82-6	F	9am-10:40am	15-week
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*Note: This web enhanced course requires completion of additional online assignments.*

1350	MA82-7	SAT	9am-12:45pm	14-week
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1351	MA82-8	MW	6pm-7:40pm	15-week
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1352	MA82-9	TuTh	6pm-7:40pm	15-week
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### MA 83 - 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.

2369	MA83-1	TuTh	8am-8:50am	15-week
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## MA 85 - Introductory and Intermediate Algebra (0) [6]

*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 Accuplacer placement score of 30 or greater on the Beginning Algebra section  
Develops introductory and intermediate algebra skills. Topics include algebraic expressions, linear expressions and equations, exponents, polynomials, factoring, rational expressions and equations, graphing and solving linear, quadratic, radical, exponential, and logarithmic functions. Technology is integrated with traditional skill practice throughout the course.

1353	MA85-1	MTuWTh	9:30am-10:45am	15-week
1354	MA85-2	MTuWTh	12:30pm-1:45pm	15-week
1355	MA85-3	TuTh	6pm-8:35pm	15-week

## MA 103 - Foundations of Mathematics (3)

Gen Ed Math

*Prerequisite:* MA 81 or MA 83 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.

1356	MA103-1	MW	8am-9:15am	15-week
2257	MA103-2	MW	9:30am-10:45am	15-week
2131	MA103-3	MW	11am-12:15pm	2nd 10-week

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

2258	MA103-4	MW	12:30pm-1:45pm	15-week
2259	MA103-5	TuTh	9:30am-10:45am	15-week
2132	MA103-6	TuTh	11am-12:15pm	15-week
1357	MA103-7	TuTh	12:30pm-1:45pm	13-week

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

1358	MA103-8	TuTh	2pm-3:15pm	15-week
1359	MA103-9	M	6pm-8:35pm	15-week
1360	MA103-ONL1	📖	Online Course	15-week

## MA 103A - 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.

2260	MA103A-1	MTuWTh	8am-9:05am	15-week
2261	MA103A-2	MTuWTh	9:30am-10:35am	15-week
2263	MA103A-3	MTuWTh	9:30am-10:35am	15-week
1361	MA103A-4	MTuWTh	11am-12:15pm	13-week

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

2232	MA103A-5	MTuWTh	11am-12:05pm	15-week
2262	MA103A-6	MTuWTh	12:30pm-1:35pm	15-week
1362	MA103A-7	MTuWTh	2pm-3:05pm	15-week
1363	MA103A-8	MTuWTh	3:30pm-4:35pm	15-week
1364	MA103A-9	MW	6pm-8:10pm	15-week
2381	MA103A-10	TuTh	6pm-8:10pm	15-week

*Note:* Students registering for MA 103A must also register for MA A - Instruction with Algebra.

## MA A - Instruction with Algebra (0) [2]

1409	MAA-1	ASG		15-week
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*Note:* Students registering for MA 103A or MA 206A must also register for MA A.

## MA 105 - 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.

1365	MA105-1	TuTh	9am-10:40am	15-week
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## MA 106 - 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.

1366	MA106-1	MW	9am-10:40am	15-week
1367	MA106-2	TuTh	7pm-8:40pm	15-week

## MA 111 - Precalculus (4)

Gen Ed Math

*Prerequisite:* A grade of B or better in MA 82 or MA 85

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.

1368	MA111-1	MW	1pm-2:40pm	15-week
1369	MA111-2	MW	3pm-4:40pm	15-week
1370	MA111-3	TuTh	9am-10:40am	15-week
1371	MA111-4	TuTh	11am-12:40pm	15-week
1372	MA111-5	TuTh	1pm-2:40pm	15-week
1373	MA111-6	MW	5pm-6:40pm	15-week
1374	MA111-ONL1	📖	Online Course	15-week

## MA 130 - 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.

1375	MA130-1	MW	8am-9:15am	15-week
1376	MA130-2	MW	9:30am-10:45am	15-week
1377	MA130-3	MW	11am-12:15pm	15-week
1378	MA130-4	MW	2pm-3:15pm	15-week
1379	MA130-5	MW	3:30pm-4:45pm	15-week
1380	MA130-7	TuTh	9:30am-10:45am	15-week
2133	MA130-8	TuTh	11am-12:15pm	15-week
1381	MA130-9	TuTh	3:30pm-5pm	13-week
1382	MA130-10	SAT	9am-11:45am	14-week
1383	MA130-11	MW	5pm-6:45pm	13-week

## MA 201 - Applied Calculus (3)

*Prerequisite:* A grade of B or better in MA 82 or MA 85 or appropriate score on the 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.

1385	MA201-1	MW	11am-12:15pm	15-week
1386	MA201-2	TuTh	2pm-3:15pm	15-week
2134	MA201-ONL1		Online Course	15-week

## MA 206 - Elementary Statistics (3)

*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.

1389	MA206-1	MW	8am-9:15am	15-week
1390	MA206-2	MW	9:30am-10:45am	15-week
1392	MA206-3	MW	11am-12:15pm	15-week
1393	MA206-4	MW	12:30pm-1:45pm	15-week
1394	MA206-5	MW	2pm-3:15pm	15-week
1395	MA206-6	TuTh	8am-9:15am	15-week
2264	MA206-7	TuTh	9:30am-10:45am	13-week

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

1391	MA206-8	TuTh	11am-12:15pm	15-week
2265	MA206-9	TuTh	12:30pm-1:45pm	2nd 10-week

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

2135	MA206-10	TuTh	2pm-3:15pm	15-week
1396	MA206-11	TuTh	3:30pm-4:45pm	15-week
1397	MA206-12	F	11am-1:35pm	15-week
1398	MA206-13	Tu	6pm-8:35pm	15-week
1399	MA206-14	W	6pm-8:35pm	15-week
1400	MA206-15	Th	5:30pm-8:05pm	15-week
1401	MA206-ONL1		Online Course	15-week
2382	MA206-ONL2		Online Course	15-week

## MA 206A - Elementary Statistics (3)

*Prerequisites:* A grade of B or better in MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines an introductory non-calculus statistics course with topics from Algebra. Topics of Algebra include graphing and solving linear equations, inequalities, function notation and interval notation. Topics of Statistics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests, and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

1403	MA206A-1	MTuWTh	8am-9:05am	15-week
1404	MA206A-2	MTuWTh	9:30am-10:35am	15-week
1405	MA206A-3	MTuWTh	11am-12:05pm	15-week
1406	MA206A-4	MTuWTh	12:30pm-1:45pm	13-week

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

1407	MA206A-5	MTuWTh	2pm-3:05pm	15-week
2270	MA206A-6	MTuWTh	3:30pm-4:35pm	15-week
2271	MA206A-7	MW	6pm-8:10pm	15-week
1408	MA206A-8	TuTh	6pm-8:10pm	15-week

*Note:* Students registering for MA 206A must also register for MA A - Instruction with Algebra.

## MA A - Instruction with Algebra (0) [2]

1409	MAA-1	ASG		15-week
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*Note:* Students registering for MA 103A or MA 206A must also register for MA A.

## MA 207 - Elementary Statistics with Probability (4)

*Prerequisite:* (A grade of B or better in MA 81 or MA 83) OR (A grade of C or better in MA 82 or MA 85) OR (Any college-level Math course) 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, MA 207A.

1410	MA207-1	MW	11am-12:40pm	15-week
1411	MA207-2	TuTh	1pm-2:40pm	15-week
1412	MA207-HYB1	M	5pm-6:40pm	15-week

## MA 210 - Calculus I (4)

*Prerequisite:* Grade of C or better in MA 111 or grades of C or better in both MA 130 and MA 131

Designed for students in mathematics, science, engineering, medical and other technical programs. Topics covered include: functions, limits, continuity, the derivative concept, differentiation techniques (including product rule, quotient rule, chain rule and implicit differentiation), applications of the derivative, and definite and indefinite integral concepts. The Fundamental Theorem of Calculus is discussed and used in the context of introductory integration.

1413	MA210-1	MW	11am-12:40pm	15-week
1414	MA210-2	TuTh	9am-10:40am	15-week
1415	MA210-3	TuTh	1pm-2:40pm	15-week
1416	MA210-4	TuTh	5pm-6:40pm	15-week
1417	MA210-ONL1		Online Course	15-week

## MA 211 - Calculus II (4)

*Prerequisite:* MA 210

Presents the second of three courses in the calculus sequence. Topics include methods and applications of integration, improper integrals, sequences and series, Taylor approximations, polar functions, introduction to differential equations.

1418	MA211-1	MW	1pm-2:40pm	15-week
1419	MA211-2	TuTh	11am-12:40pm	15-week
1420	MA211-3	TuTh	5pm-6:40pm	15-week

## MA 212 - Calculus III (4)

*Prerequisite:* MA 211

Presents the final course in the three-semester calculus sequence. Topics include functions of several variables and their graphs, vectors, parametric equations, partial derivatives, multiple integrals and applications, Green's Theorem, Stokes Theorem and the fundamental theorem of line integrals.

1421	MA212-1	TuTh	11am-12:40pm	15-week
1422	MA212-2	TuTh	3pm-4:40pm	15-week

## MA 214 - Introduction to MATLAB (1)

*Prerequisite or Corequisite:* MA 210

Provides an introduction to MATLAB. This course provides a comprehensive introduction to MATLAB environment. Assigned projects emphasize basic programming and graphing skills, as well as using MATLAB to solve appropriate mathematical problems.

1423	MA214-ONL1		Online Course	1st 5-week
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## MA 218 - Linear Algebra (3)

*Prerequisite:* MA 210

Includes systems of linear equations, determinants, vectors in 2- and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors and applications.

1424	MA218-1	MW	9:30am-10:45am	15-week
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## MDA: Medical Assisting

### MDA 101 - 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.

1911	MDA101-1	F	9am-1:30pm	1st 7-week
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## MDA 102 - 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.

1912	MDA102-1	F	9am-1:30pm	2nd 7-week
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## MDA 108 - 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.

1913	MDA108-ONL1		Online Course	1st 7-week
2344	MDA108-ONL2		Online Course	2nd 7-week

## MDA 109 - Medical Terminology (3)

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

Teaches the basic principles of building and defining medical words. Students use techniques learned to develop an extensive medical terminology vocabulary. No previous knowledge of anatomy, physiology or pathology is necessary.

1914	MDA109-HYB1	Tu	11am-12:15pm	15-week
1915	MDA109-HYB2	Th	2pm-3:15pm	15-week
1916	MDA109-HYB3	W	7:45pm-10:15pm	1st 7-week
1917	MDA109-ONL1		Online Course	15-week
1918	MDA109-ONL2		Online Course	2nd 7-week

## MDA 110 - Pharmacology for Medical Office Practice (3)

*Prerequisite: EN 52 or ESL 99 or ESL 72; Prerequisite or Corequisite: MDA 109*

Introduces students interested in medical office practices to the field of pharmacology. Students will be completing clinical and multimedia applications encountered in a clinic/doctor's office setting. Applications include handwritten and electronic prescriptions, drug forms, drug labels, patient photographs, and clinical scenarios. Each anatomical system will be the subject of a unit in this course. This course is not intended for the nursing student.

1919	MDA110-HYB1	Th	11am-1:30pm	1st 7-week
1920	MDA110-ONL1		Online Course	15-week

## MDA 112 - 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.

1921	MDA112-HYB1	W	6:30pm-8:30pm	2nd 7-week
1922	MDA112-ONL1		Online Course	1st 7-week

## MDA 115 - 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.

1923	MDA115-HYB1	W	1pm-3:30pm	2nd 7-week
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## MDA 202 - 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.

1924	MDA202-1	TuTh	6:30pm-8:45pm	1st 7-week
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## MDA 204 - 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.

1925	MDA204-1	ASG		1st 7-week
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## MDA 216 - 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.

1927	MDA216-HYB1	Th	6:30pm-8:30pm	1st 7-week
1926	MDA216-ONL1		Online Course	15-week

## MDA 218 - 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.

1929	MDA218-HYB1	Th	6:30pm-8:30pm	2nd 7-week
1928	MDA218-ONL1		Online Course	1st 7-week

## MDA 220 - 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.

1930	MDA220-ONL1		Online Course	1st 7-week
1931	MDA220-ONL2		Online Course	2nd 7-week

## MDA 222 - 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.

1932	MDA222-ONL1		Online Course	15-week
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## MU: Music

### MU 101 - 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.

1236	MU101-1	MW	9:30am-10:45am	15-week
1238	MU101-ONL1		Online Course	15-week

### MU 103 - 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.

1239	MU103-1	MW	11am-12:15pm	15-week
1240	MU103-2	TuTh	12:30pm-1:45pm	13-week
1250	MU103-ONL1		Online Course	15-week

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

## MU 106 - 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.

1242	MU106-1	TuTh	2:30pm-3:20pm	15-week
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## MU 109 - 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.

2399	MU109-1	MW	12:30pm-1:45pm	15-week
1243	MU109-2	TuTh	9:30am-10:45am	15-week
1252	MU109-ONL1	📱	Online Course	15-week

## MU 111 - 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.

1244	MU111-1	TuTh	3:30pm-4:45pm	15-week
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## MU 117 - 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.

1245	MU117-1C	Tu	7:45pm-10pm	15-week
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## MU 119 - 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.

1246	MU119-1	M	5pm-7:15pm	15-week
1247	MU119-2C	W	7:45pm-10pm	15-week

## MU 121 - Orchestral Ensemble I (1)

*Prerequisite:* Permission of instructor

Presents great orchestral music of the Baroque, Classical, Romantic and/or Contemporary musical eras. Applied music in chosen instrument recommended concurrently. Students participate as members of the Frederick Orchestra. Two rehearsal hours weekly.

1248	MU121-1C	Th	7:30pm-9:30pm	15-week
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## MU 123 - Wind Ensemble I (1)

*Prerequisite:* Permission of instructor

Presents a variety of wind ensemble literature as the basis for further study and presentation. Three rehearsal hours weekly. Applied music instruction in chosen instrument recommended concurrently.

1249	MU123-1C	W	6:30pm-9pm	15-week
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## MU 130 - 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.

2340	MU130-1	MW	9:30am-10:45pm	13-week
1301	MU130-2	TuTh	11am-12:15pm	15-week

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

## MU 145 - 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.

1302	MU145-1	TuTh	1pm-2:15pm	15-week
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## MU 151 - 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.

1253	MU151-1C	M	12:30pm-1:20pm	15-week
1254	MU151-2C	W	12:30pm-1:20pm	15-week

## MU 152 - 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.

1255	MU152-1C	M	12:30pm-1:20pm	15-week
1256	MU152-2C	W	12:30pm-1:20pm	15-week

## MU 171 - Class Strings I (1)

Offered first semester for beginning students. One hour weekly.

1257	MU171-1	Th	7:45pm-8:45pm	15-week
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## MU 206 - Aural and Keyboarding Skills III (1)

*Prerequisite:* MU 107; *Corequisite:* MU 211

A continuation of Aural and Keyboard Skills II, coordinated with material presented in Music Theory III, including secondary dominants, Neapolitan sixth chords, augmented sixth chords, ensemble work, conducting and more complex chord progressions.

1277	MU206-1	MW	3:30pm-4:20pm	15-week
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## MU 211 - Music Theory III (3)

*Prerequisite:* MU 112; *Corequisite:* MU 206

A continuation of Music Theory II, with further work on modulations, dominant relationships, cadential identifications, extended part-writing procedures, four-part chorale analysis and writing, leading tone triads and diatonic seventh chords. Includes binary and ternary forms, characteristics of instrumental writing, the Neapolitan sixth chord and augmented sixth chords, harmonizations with all types of chords and figured bass symbols.

1278	MU211-1	MW	2pm-3:15pm	15-week
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## MU 217 - Choral Ensemble II (1)

Continuation of MU 117-118. Three rehearsal hours weekly.

1279	MU217-1C	Tu	7:45pm-10pm	15-week
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## MU 219 - Jazz Ensemble II (1)

*Prerequisite:* MU 119 or MU 120

Continuation of MU 119-120. Three rehearsal hours weekly.

1280	MU219-1	M	7:30pm-9:30pm	15-week
1281	MU219-2C	W	7:45pm-10pm	15-week

## MU 221 - Orchestral Ensemble II (1)

*Prerequisite:* MU 121 or MU 122

A continuation of MU 121-122. Three rehearsal hours weekly.

1282	MU221-1C	Th	7:30pm-9:30pm	15-week
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## MU 223 - 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.

1283	MU223-1C	W	6:30pm-9pm	15-week
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## MU 230 - Studio Recording Techniques (3)

*Prerequisite: MU 135*

Focuses on contemporary recording techniques associated with popular music production. Topics include multi-track recording, overdubbing, MIDI, and project management.

2376	MU230-1	MW	12:30pm-1:45pm	15-week
2126	MU230-2	TuTh	3:30pm-4:45pm	15-week

## MU 240 - MIDI Music Production Techniques (3)

*Prerequisite or Corequisite: MU 103*

Explores electronic music production. Students will produce electronic music using a variety of software and techniques. Topics will include notation, MIDI and controller programming, sampling, sequencing, virtual instruments, synthesizers, and production techniques.

1303	MU240-1	TuTh	6pm-7:15pm	15-week
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## MU 251 - 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.

1284	MU251-2C	W	12:30pm-1:20pm	15-week
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## MU 252 - Class Piano IV (1)

*Prerequisite: MU 251*

A continuation of Class Piano III, emphasizing development of a greater repertoire and enhancement of performance skills. Students become more fluent in hand control, rhythmic ability and accompaniment patterns. Includes a study of standard national and holiday pieces, as well as additional drills in functional piano playing.

1285	MU252-2C	W	12:30pm-1:20pm	15-week
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## MU: Applied Music Courses

### **Additional fees: \$490**

Thirteen one-hour lessons of instruction that encompasses technique, theory, style, interpretation and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam.

### **Instructor Contact List**

Laura Armstrong—clarinet/ saxophone.....	443.615.1529	.....	larmstrong@frederick.edu
Jonathan Cresci—trumpet.....	301.624.2844	.....	jcresci@frederick.edu
Paula Chipman—voice.....	301.846.2566	.....	pchipman@frederick.edu
Mark Edwards—guitar.....	334.538.0254	.....	medwards@frederick.edu
Lynn Fleming—bass.....	301.922.0398	.....	vlfleming@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	.....	mraltzyk@frederick.edu
Jennifer Rundlett—flute.....	240.675.0866	.....	jrundlett@frederick.edu
Sterling Scroggins—voice.....	202.906.0613	.....	sscroggins@frederick.edu
Maryory Serrano—violin/viola....	540.664.4068	.....	mserrano@frederick.edu
Lynn Staininger—voice/piano....	240.405.7382	.....	lstaininger@frederick.edu
John Wickelgren—piano.....	301.668.0355	.....	jwickelgren@frederick.edu
Fred Wilcox—violin/viola.....	240.504.6974	.....	fwilcox@frederick.edu

## 1<sup>st</sup> & 2<sup>nd</sup> Year Applied Music Courses

### MU 172 - First Year Piano (1)

1258	MU172-1	John Wickelgren	15-week
1259	MU172-2	Lynn Staininger	15-week
1260	MU172-3	Alice Lee	15-week
1261	MU172-4	Suk-Yi Hyun	15-week

### MU 174 - First Year Voice (1)

1262	MU174-1	Paula Chipman	15-week
1263	MU174-2	David Loy	15-week
1264	MU174-3	Mary Gresock	15-week
1265	MU174-4	Lynn Staininger	15-week
2428	MU174-5	Sterling Scroggins	15-week

### MU 178 - First Year Brass (1)

1266	MU178-1	Jonathan Cresci	15-week
1267	MU178-2	Aaron Lovely	15-week

### MU 180 - First Year Woodwinds (1)

1268	MU180-1	Jennifer Rundlett	15-week
1269	MU180-2	Laura Armstrong	15-week

### MU 182 - First Year Strings (1)

1270	MU182-1	Fred Wilcox	15-week
1271	MU182-2	Maryory Serrano	15-week
1272	MU182-3	Adam Gonzalez	15-week
1273	MU182-4	Lynn Fleming	15-week

### MU 184 - First Year Guitar (1)

1274	MU184-1	Michael Raitzyk	15-week
1275	MU184-2	Mark Edwards	15-week

### MU 186 - First Year Percussion (1)

1276	MU186-1	Greg Herron	15-week
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### MU 272 - Second Year Piano (1)

1286	MU272-1	John Wickelgren	15-week
1287	MU272-2	Lynn Staininger	15-week
1288	MU272-3	Alice Lee	15-week
1289	MU272-4	Suk-Yi Hyun	15-week

### MU 274 - Second Year Voice (1)

1290	MU274-1	Paula Chipman	15-week
1291	MU274-2	David Loy	15-week
1292	MU274-3	Mary Gresock	15-week
1293	MU274-4	Lynn Staininger	15-week
2429	MU274-5	Sterling Scroggins	15-week

### MU 278 - Second Year Brass (1)

1294	MU278-1	Jonathan Cresci	15-week
1295	MU278-2	Aaron Lovely	15-week

### MU 280 - Second Year Woodwinds (1)

1296	MU280-1	Jennifer Rundlett	15-week
1297	MU280-2	Laura Armstrong	15-week

### MU 282 - Second Year Strings (1)

2086	MU282-1	Fred Wilcox	15-week
2087	MU282-2	Maryory Serrano	15-week
2088	MU282-3	Adam Gonzalez	15-week
2089	MU282-4	Lynn Fleming	15-week

## MU 284 - Second Year Guitar (1)

1298	MU284-1	Michael Raitzyk	15-week
1299	MU284-2	Mark Edwards	15-week

## MU 286 - Second Year Percussion (1)

1300	MU286-1	Greg Herron	15-week
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## NM: Nuclear Medicine

### NM 100 - Physics and Radiation Safety in Nuclear Medicine Technology (5)

*Prerequisite: acceptance into the clinical program*

Introduces the atom and its structure within the context of Nuclear Medicine focusing on nuclear structure, stabilities, radioactive series, radioactive decay, and conversion laws and decay schemes. Radioactivity will be studied in terms of the exponential decay law, calculation of the mass of a radioactive sample, specific activity, half-life, and statistics of radioactive decay. The production of radionuclides will be presented with emphasis on methods of production and principles of a generator. Include regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality.

1028	NM100-1	W	8am-12pm	15-week
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### NM 102 - Nuclear Medicine Technology (3)

*Prerequisites: acceptance into the clinical program*

Orientation to clinical nuclear medicine, includes medical terminology, professional ethics and conduct, patient care, radiation safety, and effect of radiation on living organisms.

1029	NM102-1	Tu	4:30pm-7pm	15-week
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### NM 103 - Nuclear Medicine Techniques I (4)

*Prerequisites: acceptance into the clinical program*

Introduces all aspects of nuclear imaging related to skeletal, cardiac, respiratory, gastrointestinal, genitourinary, endocrine system, nervous system, and hematopoietic system as well as therapy procedures, oncology imaging, and infection imaging procedures. The procedures, protocols, instrumentation, and radiopharmaceuticals used in nuclear medicine imaging of these systems will be studied in detail. Some of the pathologic conditions imaged in Nuclear Medicine will also be presented.

1030	NM103-1	W	12:30pm-3:45pm	15-week
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### NM 104 - Clinical Nuclear Medicine Technology I (1)

*Prerequisite: Acceptance into clinical program*

Directed practice in a clinical affiliate hospital. Emphasizes routine diagnostic and therapeutic procedures. Daily image critiques by a licensed/certified technologist. On-site lectures by board certified nuclear medicine physicians supplement clinical experience.

1031	NM104-1	MF	8am-4:30pm	15-week
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### NM 220 - CT Principles & Instrumentation (3)

*Prerequisites: NM 204 and NM 205 OR grade of NMT program*

Provides in-depth study of the physical principles and instrumentation in computed tomography. Covers the production of x-rays and their interactions with matter. Provides information on data acquisition and image reconstruction, processing, and quality. Addresses CT scanner components and operation, scanning factors, and their applications.

1032	NM220-1	Tu	5:30pm-7:30pm	15-week
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### NM 222 - Cross-sectional Anatomy (3)

*Prerequisites: NM 204 and NM 205 OR graduate of NMT program*

Provides in-depth coverage of cross-sectional anatomy to include the head, neck, chest, abdomen, pelvis, spine, and extremities. Students will become accustomed to viewing anatomy of regions of the body in the different anatomical planes typically produced in cross-sectional imaging. In addition, pathology will be covered as it relates to its presentation on axial images. Special emphasis will be placed upon correlating and recognizing anatomical structures as they appear on medical images produced with CT, MRI, nuclear medicine, and ultrasound.

1033	NM222-1	W	4:30pm-6:30pm	15-week
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## NM 224 - CT Protocols & Applications (3)

*Prerequisites: NM 204 and NM 205 OR graduate of NMT program*

Covers the various imaging protocols utilized to produce anatomy and pathology on CT images specific to the central nervous system, neck musculoskeletal system, abdomen and pelvis, musculoskeletal system, thorax, and interventional and special procedures. The student will also become familiar with contrast administration guidelines and timing issues related to dynamic imaging. Spiral CT, 3D reconstruction procedures, and vascular imaging are discussed and compared with routine imaging of the same anatomical regions.

1034	NM224-1	Th	5:30pm-7:30pm	15-week
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## NU: Nursing

### NU 101 - 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.

1425	NU101-1LC	W	8am-11am	15-week
	NU101-1LC	T	8am-10am	1st 7-week
1426	NU101-2LC	W	12pm-3pm	15-week
	NU101-2LC	T	12pm-2pm	1st 7-week
1427	NU101-11LB	ASG		15-week

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

### NU 105 - Pharmacology for Nurses (2)

*Prerequisite: Passing score on the Math for Medication Safety test*

Provides instruction in basic pharmacology necessary for providing safe and effective medication administration. Content includes essential drug knowledge needed to adequately assess, administer, and evaluate drug effects in clients. Emphasis is on the acquisition and application of basic knowledge needed for the delivery of comprehensive care to clients in all healthcare settings.

2095	NU105-1	W	9am-11am	15-week
2096	NU105-2	W	12pm-2pm	15-week

### NU 211 - 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.

1428	NU211-1LC	MTu	5pm-7pm	15-week
1429	NU211-11LB	ASG		15-week

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

### NU 212 - 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.

1430	NU212-1LC	M	8am-10am	15-week
1431	NU212-2LC	Th	8am-10am	15-week
1432	NU212-11LB	ASG		15-week

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

### NU 213 - 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.

1433	NU213-1LC	W	5pm-7pm	15-week
1434	NU213-11LB	ASG		15-week

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



## NU 214 - 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.

1435	NU214-1LC	Th	5pm-7pm	15-week
1437	NU214-11LB	ASG		15-week

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

## NU 216 - 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.

1438	NU216-1LC	W	7:30pm-9pm	15-week
1439	NU216-11LB	ASG		15-week

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

## NU 218 - Maternal, Child, and Family Nursing (3)

*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.

2436	NU218-1LC	M	10am-3pm	15-week
2437	NU218-2LC	Th	10am-3pm	15-week
2438	NU218-1LB	ASG		15-week

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

## PC: Physical Science

### PC 103 - Elements 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 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.

1728	PC103-1	MW	8am-9:15am	15-week
1729	PC103-2	TuTh	12:30pm-3:05pm	2nd 8-week
1730	PC103-ONL1		Online Course	15-week

### PC 104 - The Water Planet: Introduction to Oceanography (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 82 or MA 85 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.

1731	PC104-ONL1		Online Course	15-week
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### PC 104H - The Water Planet: Introduction to Oceanography (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 82 or MA 85 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.

2378	PC104H-1	W	12:30pm-3:05pm	15-week
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## PC 105 - Introduction to the Science of Weather (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 82 or MA 85 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, aviation and agriculture. Students cannot get credit for both PC 105 and PC 106.

1733	PC105-1	TuTh	8am-9:15am	15-week
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## PC 106 - Introduction to Meteorology (4)

*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 appropriate score on mathematics placement test)

Surveys the basic physics and chemistry of the atmosphere and applies the diagnostic tools of the meteorologist. Includes some discussion of applied meteorology, forecasting, pollution, and climatology. This course includes a lab. Students cannot get credit for both PC 106 and PC 105.

1734	PC106-ONL1		Online Course	15-week
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## PC 107 - Introductory Astronomy (4)

*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 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.

1735	PC107-1LC	M	9:30am-12:05pm	15-week
1736	PC107-11LB	W	9:30am-12pm	15-week
1737	PC107-2LC	Tu	6pm-8:35pm	15-week
1738	PC107-21LB	Th	6pm-8:30pm	15-week

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

1739	PC107-ONL1		Online Course	15-week
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## PC 108 - 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 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 an overview of geologic time, radiometric dating, fossils, dinosaurs, and significant events in earth's history. Provides students with the tools to interpret the rock and fossil record with a focus on the geologic history of North America.

2413	PC108-ONL1		Online Course	15-week
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## PC 109 - Physical Geology (4)

*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 appropriate score on mathematics placement test)

Introduces the physical and chemical processes that occur along the surface of the earth and within the earth's interior. Topics include plate tectonics, earthquakes, volcanoes, the rock cycle, and the origin and continual modification of surface features. Laboratory investigations include rock and mineral identification, data analysis, and map interpretation.

1741	PC109-1LC	M	9:30am-12:05pm	15-week
1742	PC109-11LB	W	9:30am-12pm	15-week

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

## PC 114 - Contemporary Physical Science (4)

*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 appropriate score on mathematics placement test)

Presents basic principles of physics and chemistry as they relate to our modern technological society. An activities-oriented approach is used that focuses on model building. These models are developed as a method of building both conceptual and quantitative understandings of the physical world. Students cannot receive credit for both PC 114 and PC 103.

1743	PC114-1LC	Tu	9:30am-12:05pm	15-week
1744	PC114-11LB	Th	9:30am-12pm	15-week
2288	PC114-2LC	M	5pm-7:35pm	15-week
2289	PC114-21LB	W	5pm-7:30pm	15-week

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


## PC 115 - Introduction to Geoscience (4)

*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 appropriate score on mathematics placement test)

Presents an overview of the solid and fluid parts of the earth system and investigates their interactions with human culture and society. An inquiry-based, activities-oriented approach is used in the course.

1745	PC115-1LC	M	12:30pm-3:05pm	15-week
1746	PC115-11LB	W	12:30pm-3pm	15-week

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

1747	PC115-ONL1		Online Course	15-week
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### Physical Science Notes:

PC109 - Physical Geology offered fall semester only.

PC121 - Energy and Society offered spring semester only.

## PE: Physical Education

### PE 108 - Body Mechanics (1)

Examines the application of physical laws to the human body at rest or in motion, including concepts of effective, efficient and aesthetic postures, both static and dynamic. Emphasizes joint motions, care of the back and components of fitness including body compositions, flexibility, strength, muscular endurance and cardiovascular endurance.

1035	PE108-1	M	6pm-8:30pm	1st 7-week
1036	PE108-2	M	6pm-8:30pm	2nd 7-week

### PE 131 - Aerobics (1)

Offers muscular and cardiovascular endurance exercises performed to music.

2347	PE131-1	Tu	1pm-2pm	15-week
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### PE 153 - Introduction to Health and Exercise Sciences (3)

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

Theory course for physical education majors. Includes an orientation to the profession, including the relationship of physical education to education, current trends and practices, career opportunities and areas of research.

1037	PE153-1	TuTh	12:30pm-1:45pm	15-week
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*Note:* Offered in the fall semester only.

### PE 154 - 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.

1038	PE154-1	MW	11am-12:15pm	15-week
1039	PE154-2	MW	12:30pm-1:45pm	15-week
1040	PE154-3	MW	2pm-3:15pm	15-week
1041	PE154-4	TuTh	9:30am-10:45am	15-week
1042	PE154-5	TuTh	11am-12:15pm	15-week
1043	PE154-6	Tu	5pm-7:30pm	15-week

### PE 160 - Elementary Fencing (1)

Introduces the history, safety, rules and etiquette of fencing. Teaches basic skills required to participate in a fencing match, as well as skills in directing and scoring a match.

1044	PE160-1	W	1pm-3pm	2nd 7-week
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### PE 161 - Psychology of Sport (3)

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

An exploration of the personality factors, including, but not limited to, motivation, aggression and emotion as they affect sports participation and motor skill performance.

2348	PE161-1	TuTh	12:30pm-1:45pm	15-week
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*Note:* Offered in the Fall semester only.

### PE 165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

1045	PE165-1	M	8:30am-10:30am	2nd 7-week
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### PE 166 - Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

1046	PE166-1	MW	11am-12:15pm	2nd 7-week
1047	PE166-2	M	2pm-3pm	15-week
1048	PE166-3	W	2pm-3pm	15-week
1049	PE166-4	M	5pm-7pm	2nd 7-week

### PE 179 - 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.

2349	PE179-1	MW	11am-12:15pm	1st 7-week
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*Note:* After first day, class will meet out at the tennis courts.

### PE 181 - 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.

1050	PE181-1	W	5pm-7:30pm	1st 7-week
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*Note:* After first 3 meetings, class held offsite at Saber Golf and Rec. \$8 fee per class (\$32 total) paid at site.

### PE 187 - Social Dance (1)

Provides instruction in the basic partner dance forms including such dances as the waltz, swing, two-step, cha-cha, polka and fox-trot. Other contemporary dances may be included.

2350	PE187-1	F	5pm-7pm	1st 7-week
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*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.

### PE 188 - Yoga (3)

Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

1051	PE188-1	M	9:30am-12pm	15-week
1052	PE188-2	F	9:30am-12pm	15-week
2351	PE188-HYB1	W	6pm-8:35pm	1st 7-week
1053	PE188-HYB2	W	6pm-8:30pm	2nd 7-week

### PE 190 - Pilates (1)

Introduces the history of Pilates and describes the physiological basis of exercises that promote core body strength. Includes demonstration and active student participation of Pilates movements.

1054	PE190-1	TuTh	9:30am-10:45am	2nd 7-week
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### PE 191 - Body Sculpting (1)

Offers muscular strength and endurance exercises through the use of free weights, balls, and resistance tubes.

1055	PE191-1	M	12pm-1pm	15-week
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### PE 193 - Social Dance II (1)

*Prerequisite:* PE 187 or permission of instructor

Social Dance II builds on the dance rhythms learned in Social Dance. The patterns to be learned will incorporate the body mechanics and technique that enable creation of body swing in the Waltz, and smoothness and polish in all the dances: Fox Trot, Swing, Cha-Cha, Rumba and Tango.

2352	PE193-1	F	5pm-7pm	2nd 7-week
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*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.

## PE 195 - Tai Chi (1)

Tai Chi is an 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.

1056	PE195-1	TuTh	2pm-3:15pm	3rd 5-week
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## PE 196 - 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.

1058	PE196-1	W	5pm-7pm	2nd 7-week
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*Note: Class held at Bowerhouse Academy located at 7311 Grove Rd Suite D, Frederick, MD 21704.*

*Additional \$65 fee paid at site on first day of class. Use of gym facilities for duration of this course is included as well as a t-shirt, new pair of boxing gloves, and boxing hand wraps.*

## PE 198A - Fitness: Boot Camp (1)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

1059	PE198A-1	TuTh	12:30pm-1:45pm	1st 7-week
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## PE 198C - 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.

1060	PE198C-1	TuTh	11am-12:15pm	1st 7-week
1061	PE198C-2	TuTh	11am-12:15pm	2nd 7-week

## PE 237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

2353	PE237-1	M	2:30pm-4:30pm	1st 7-week
1062	PE237-ONL1		Online Course	2nd 7-week

## PE 241 - 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.

1063	PE241-1	TuTh	11am-12:15pm	2nd 7-week
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## PE 247 - 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.

1064	PE247-1	TuTh	11am-12:15pm	1st 7-week
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## PE 250 - 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.

1066	PE250-1	MW	11am-12:15pm	13-week
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## PH: Philosophy

### PH 101 - 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) OR Corequisite: EN 75*

Surveys the major intellectual problems faced by great philosophers of all ages.


1304	PH101-1	MW	11am-12:15pm	15-week
2127	PH101-2	TuTh	9:30am-10:45am	15-week
1305	PH101-3	TuTh	2pm-3:15pm	13-week
<i>Note: This web enhanced course requires completion of additional online assignments.</i>				
2128	PH101-ONL1		Online Course	2nd 8-week

### PH 204 - 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.

1307	PH204-1	MW	9:30am-10:45am	13-week
<i>Note: This web enhanced course requires completion of additional online assignments.</i>				
1308	PH204-2	MW	2pm-3:15pm	15-week
2335	PH204-3	TuTh	2pm-3:15pm	15-week
1309	PH204-ONL1		Online Course	15-week

### PH 205 - 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.

1310	PH205-1	TuTh	12:30pm-1:45pm	15-week
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### PH 206 - 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.

1311	PH206-1	TuTh	11am-12:15pm	15-week
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### PH 207 - 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.

2129	PH207-1	TuTh	12:30pm-1:45pm	15-week
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### PH 208 - Business 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)*

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

1313	PH208-HYB1	M	6pm-7:15pm	15-week
1314	PH208-ONL1		Online Course	15-week

### PH 210 - Ethics and Film (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 philosophical reasoning through classic literature and film about morality (what one should do or be), ethics (why), the meanings of moral terms (called meta-ethics) in a variety of applied ethical issues (good character, global health, justice, neocolonialism, genocide, environmentalism, war, consumerism) and disciplines (bioethics, business ethics).

1315	PH210-1	W	12:30pm-3:05pm	15-week
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## PI: Political Science

### PI 104 - American Government: National (3)

Gen Ed Political Science

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

Covers basic principles of the national government: structure, powers and operations of Congress; the presidency and the Supreme Court; citizenship, elections, political parties and pressure groups.

2012	PI104-1	TuTh	12:30pm-1:45pm	15-week
2013	PI104-2	M	6pm-8:35pm	15-week
2014	PI104-ONL1		Online Course	15-week

## PS: Psychology

### PS 101 - 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.

2015	PS101-1	MW	8am-9:15am	15-week
2016	PS101-2	MW	9:30am-10:45am	15-week
2017	PS101-3	MW	11am-12:15pm	15-week
2018	PS101-4	MW	12:30pm-1:45pm	13-week

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

2019	PS101-5	MW	2pm-3:15pm	15-week
2419	PS101-6	MW	3:30pm-4:45pm	15-week
2020	PS101-7	TuTh	8am-9:15am	15-week
2021	PS101-8	TuTh	9:30am-10:45am	15-week
2022	PS101-9	TuTh	11am-12:15pm	15-week
2023	PS101-10	TuTh	12:30pm-1:45pm	15-week
2025	PS101-11	TuTh	2pm-4:30pm	2nd 8-week
2026	PS101-12	TuTh	3:30pm-4:55pm	13-week
2027	PS101-13	F	8am-10:35am	15-week
2024	PS101-14	M	6pm-8:35pm	15-week
2028	PS101-15	W	6pm-9:05pm	13-week
2029	PS101-16	Th	6pm-8:35pm	15-week
2030	PS101-ONL1		Online Course	15-week
2031	PS101-ONL2		Online Course	15-week
2120	PS101-ONL3		Online Course	15-week
2042	PS101-ONL4		Online Course	2nd 8-week

### PS 101H - 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.

2121	PS101H-1	MW	11am-12:15pm	15-week
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### PS 104 - Issues of Drug/Alcohol Use (3)

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

Presents a comprehensive study of the use of legal and illegal drugs; an analysis of the addictive and recovery process for individuals and families; a study of treatment modalities and 12-step groups; a study of the physiological and legal consequences of substance use and abuse.

2032	PS104-ONL1		Online Course	13-week
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### PS 202 - Social Psychology (3)

Gen Ed Psychology

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

Explores the effects of the social environment upon the human organism through the study of interpersonal relationships, and the social influences on cognitive processes such as social perception, attribution, persuasion, prejudice and discrimination, aggression, prosocial behavior and group interaction.

2033	PS202-1	MW	9:30am-10:45am	15-week
2034	PS202-2	TuTh	3:30pm-4:45pm	15-week
2035	PS202-ONL1		Online Course	13-week

### PS 204 - Psychology of Adolescence (3)

*Prerequisite:* PS 101

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

2036	PS204-1	MW	11am-12:15pm	15-week
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### PS 206 - Abnormal Psychology (3)

*Prerequisite:* PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

2418	PS206-1	MW	11am-12:15pm	15-week
2038	PS206-2	TuTh	12:30pm-1:45pm	15-week
2039	PS206-3	W	6pm-8:35pm	15-week
2040	PS206-ONL1		Online Course	13-week

## PY: Physics

### PY 201 - Fundamentals of Physics (4)

Gen Ed Science

*Prerequisites:* Completion of high school physics or PY 101 strongly recommended, and [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 111 or (MA 130 and MA 131)

Presents an introductory study of physics, with the fundamental principles of mechanics, dynamics and mechanical waves. Emphasizes problemsolving and modeling of physical systems.

1748	PY201-1LC	Tu	5pm-7:35pm	15-week
1749	PY201-11LB	Th	5pm-7:30pm	15-week

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

### PY 203 - Introductory Physics I (4)

*Prerequisites:* Completion of high school physics or PY 101 strongly recommended, and [(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.

1750	PY203-1LC	Tu	12:30pm-3:05pm	15-week
1751	PY203-11LB	Th	12:30pm-3pm	15-week
1752	PY203-2LC	M	5pm-7:35pm	15-week
1753	PY203-21LB	W	5pm-7:30pm	15-week

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

### PY 204 - Introductory Physics II (4)

*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.

1754	PY204-1LC	Th	5pm-7:35pm	15-week
1755	PY204-11LB	Tu	5pm-7:30pm	15-week

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

### Physics Notes:

PY201 - Fundamentals of Physics offered fall semester only.

PY202 - Fundamentals of Physics offered spring semester only.



## RC: Respiratory Care

### RC 100 - Introduction to Respiratory Care (2)

*Prerequisite: BI 103*

Introduces respiratory care as a profession, including the healthcare environment and the respiratory care practitioner's role on the healthcare team. Specific topics include the holistic concept of patient care, psychosocial issues with particular attention to death and dying, medicolegal and ethical considerations of respiratory care, and professional interpersonal relationships. Topics also include medical terminology, infection control techniques, and physical assessment methods.

1067	RC100-1	MW	8am-8:50am	15-week
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### RC 102 - Fundamentals of Respiratory Care (4)

*Prerequisite: BI 103*

Introduces basic respiratory care modalities, including medical gas therapy, aerosol and humidity therapy, hyperinflation therapy, and bronchial hygiene therapy. Laboratory portion of the course provides practical experience performing procedures presented in the didactic portion of the course in a controlled laboratory setting.

1068	RC102-1LC	MW	9:30am-10:45am	15-week
1069	RC102-11LB	Tu	2pm-5pm	15-week
1070	RC102-12LB	Th	2pm-5pm	15-week

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

### RC 104 - Gas Exchange Physiology (2)

*Prerequisite: BI 103*

Focuses on the structure and function of the lung as related to gas exchange, diffusion, perfusion and ventilation-perfusion relationships. Emphasizes oxygen and carbon dioxide transport abnormalities in the gas exchange mechanisms. This will lead to and be integrated with clinical applications and interpretations of arterial blood-gas analysis.

1071	RC104-1	Tu	12pm-1:40pm	15-week
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### RC 202 - Neonatal and Pediatric Respiratory Care (3)

*Prerequisites: RC 103, RC 105, RC 107, RC 110*

Provides an in-depth perspective of pediatric and neonatal respiratory care. Includes high-risk deliveries, abnormalities and diseases, and the interventions used. Discusses mechanical ventilation for the neonatal and pediatric patient. Students must satisfactorily complete competency tests on the operation of neonatal and pediatric ventilators.

1072	RC202-1LC	W	8am-9:40am	15-week
1073	RC202-11LB	W	10am-12pm	15-week
1074	RC202-12LB	W	12pm-2pm	15-week

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

### RC 204 - Cardiac Monitoring and Diagnostics (4)

*Prerequisites: RC 103, RC 105, RC 107, RC 110*

Presents the theory, equipment, and techniques involved in cardiac monitoring. Recognition of normal values and normal waveforms will be emphasized as a reference for identifying abnormal and life threatening changes. Students must satisfactorily complete competency tests, including EKG monitoring and assembly of fluid filled monitoring systems.

1075	RC204-1LC	M	9:30am-12pm	15-week
1076	RC204-11LB	M	12pm-2pm	15-week
1077	RC204-12LB	M	2pm-4pm	15-week

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

### RC 206 - Pulmonary Diagnostics (2)

*Prerequisites: RC 103, RC 105, RC 107, RC 110*

Includes a detailed analysis of all major parameters of ventilatory measurement as well as diagnostic significance of deviations from predicted normal values.

1078	RC206-1	W	2pm-3:40pm	15-week
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### RC 208 - Clinical Practicum III (2)

*Prerequisites: RC 103, RC 105, RC 107, RC 110*

Develops advanced skills in the critical care environment regarding management of the patient dependent upon mechanical ventilation. Practical experiences gained in hemodynamic monitoring. Students will rotate through operating rooms to observe thoracic and cardiovascular surgeries and intubations.

1079	RC208-1	TuTh	7am-2pm	15-week
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*Note: Held at hospital*

## SO: Sociology

### SO 101 - 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.

2043	SO101-1	MW	9:30am-10:45am	15-week
2044	SO101-2	MW	11am-12:15pm	13-week

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

2045	SO101-3	MW	12:30pm-1:45pm	15-week
2046	SO101-4	MW	2pm-3:15pm	15-week
2421	SO101-5	MW	3:30pm-6pm	2nd 8-week
2047	SO101-6	TuTh	8am-9:15am	15-week
2048	SO101-7	TuTh	11am-12:15pm	15-week
2049	SO101-8	TuTh	12:30pm-1:45pm	15-week
2050	SO101-9	TuTh	3:30pm-4:45pm	15-week
2051	SO101-10	F	10:50am-1:25pm	15-week
2052	SO101-11	Tu	6pm-9:05pm	13-week
2061	SO101-12	W	6pm-8:35pm	15-week
2053	SO101-ONL1		Online Course	15-week
2054	SO101-ONL2		Online Course	15-week
2062	SO101-ONL3		Online Course	13-week

### SO 102 - Social Problems (3)

Gen Ed Sociology; Cultural Competence

*Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)*  
Offers the study of community problems and sociological processes involved in the analysis of universal and local sociological phenomena.

2056	SO102-1	MW	9:30am-10:45am	15-week
2122	SO102-2	MW	2pm-3:15pm	15-week
2055	SO102-3	TuTh	2pm-3:15pm	15-week
2057	SO102-ONL1		Online Course	13-week

### SO 201 - Criminology (3)

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

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

2058	SO201-1	TuTh	2pm-3:15pm	15-week
2059	SO201-2	Tu	6pm-8:30pm	15-week
2060	SO201-ONL1		Online Course	15-week

### SO 202 - Families 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)*

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.

2422	SO202-1	TuTh	2pm-3:15pm	15-week
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## SO 210 - 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.

2010 SO210-ONL1  Online Course 15-week

## SO 212 - 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.

2138 SO212-1 MW 11am-12:15pm 15-week  
2041 SO212-2 M 6pm-8:30pm 15-week

## ST: Surgical Technology

### ST 100 - Fundamentals of Surgical Technology I (6)

**\* Additional fee per class: \$100**

*Prerequisite:* ST 120

Develops concepts, skills and attitudes needed by students to perform as members of a surgical team. Demonstration of competence in basic skills is essential. Simulated practice time in lab and in operating room settings along with didactic instruction prepare the student for the clinical practicum component of this course.

1082 ST100-1LC M 4:30pm-8:30pm 2nd 10-Week  
1083 ST100-11LB ThF 9am-9pm 2nd 10-Week  
1084 ST100-12LB WThF 6:45am-3pm 2nd 10-Week

*Note: Students must register for ST100-1LC (lecture) and both labs, ST100-11Lb and ST100-12Lb.*

### ST 101 - 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.

1085 ST101-1LC W 8am-3pm 2nd 10-Week

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

### ST 120 - Surgery Essentials (3)

**\* Additional fee per class: \$425**

*Prerequisites:* MDA 108 or MDA 109, BI 103 and BI 104

Provides an introduction to the surgical environment and to the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

1080 ST120-1LC M 4:30pm-7pm 1st 5-week  
1080 ST120-1LC W 8am-3pm 1st 5-week  
1081 ST120-11LB ThF 9am-9pm 1st 5-week

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

### ST 200 - Fundamentals of Surgical Technology II (12)

**\* Additional fee per class: \$250**

*Prerequisite:* ST 100

Provides the student with theory and practice related to the dynamic role of the surgical technologist in classroom, laboratory, and clinical settings. Preceptored clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

1087 ST200-1LC M 9am-2pm 15-week  
1088 ST200-11LB WThF 6:45am-3pm 15-week  
1089 ST200-12LB Tu 12pm-8:30pm 15-week

*Note: Students must register for ST200-1LC (lecture) and both labs, ST200-11Lb and ST200-12Lb.*

## THR: Theater

### THR 101 - 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.

1316 THR101-1 MW 9:30am-10:45am 15-week  
1317 THR101-2 TuTh 11am-12:15pm 13-week

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

### THR 102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

1318 THR102-1 MW 11am-12:15pm 15-week

### THR 107 - 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.

1319 THR107-1 TuTh 2pm-3:15pm 15-week

### THR 121 - Stagecraft (3)

Explores all technical aspects of play production, with emphasis on set construction, scene painting, properties and stage lighting. Provides laboratory experience in conjunction with campus theater productions.

1320 THR121-1 Th 3:30pm-6:05pm 15-week

### THR 204 - Production Survey (1)

Students participate in a campus theater production as a member of the production crew. May be taken for credit three times.

1321 THR204-1 TBA 15-week

### THR 205 - 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.

1322 THR205-1 TBA 15-week

### THR 207 - 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.

1323 THR207-1 TuTh 2pm-3:15pm 15-week

### THR 212 - 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.

1324 THR212-1 TBA 15-week



# 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](mailto: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

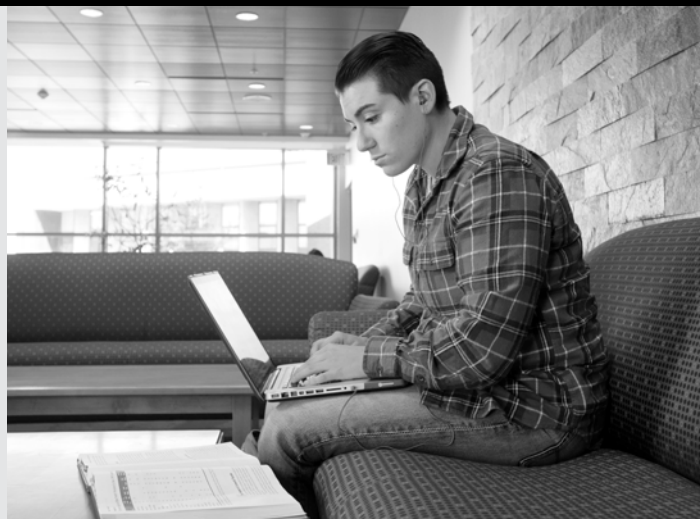
**Broadcast live online  
August 17 at 7pm**

<http://tinyurl.com/kjqfz94>

Learn about the special demands of online learning,  
and preview an actual online course.

A recording of the orientation will be available for students  
unable to participate in the live viewing.

*No registration necessary.*





2017

## Online & Hybrid Courses

Any course section with the letters "HYB" indicates a hybrid course. 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. Blackboard access is also required to complete course evaluations. **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

#### ACCT 100 - Business Accounting (3)

2295	ACCT100-HYB1	SAT	8am-9:15am	1st 7-week Saturday
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*Note: ACCT100-HYB1 meets on campus 8/26, 9/9, 9/23, and 10/7*

#### ACCT 101 - Principles of Accounting I (3)

1764	ACCT101-HYB1	Tu	6pm-8:35pm	1st 7-week
1765	ACCT101-ONL1	🖱️	Online Course	15-week

#### ACCT 102 - Principles of Accounting II (3)

1768	ACCT102-HYB1	Tu	6pm-8:35pm	2nd 7-week
1769	ACCT102-ONL1	🖱️	Online Course	15-week

#### ACCT 111 - Microcomputer Software Applications: Computerized Accounting (3)

2297	ACCT111-HYB1	SAT	9am-12pm	2nd 7-week Saturday
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*Note: ACCT111-HYB1 meets on campus 10/21 and 12/9*

1770	ACCT111-HYB2	M	7:45pm-9:15pm	15-week
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#### ACCT 201 - Intermediate Accounting I (4)

1771	ACCT201-HYB1	M	5pm-7:05pm	15-week
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#### ACCT 203 - Managerial Cost Accounting (3)

1772	ACCT203-ONL1	🖱️	Online Course	15-week
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### AN: Anthropology

#### AN 101 - Introduction to Anthropology (3)

1936	AN101-ONL1	🖱️	Online Course	13-week
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### AR: Art

#### AR 100 - Introduction to the Creative Arts (3)

1094	AR100-ONL1	🖱️	Online Course	15-week
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#### AR 104 - The History of Art: Prehistoric to Early Renaissance (3)

1103	AR104-ONL1	🖱️	Online Course	1st 10-Week
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### ASLS: American Sign Language Studies

#### ASLS 106 - Introduction to Deaf Community and History (3)

1146	ASLS106-ONL1	🖱️	Online Course	15-week
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### BI: Biological Science

#### BI 100 - Fundamental Concepts of Biology (4)

1601	BI100-HYBC	🖱️	Online Course	15-week
1602	BI100-HYBB	M	6pm-8:30pm	15-week

#### BI 103 - Anatomy and Physiology (4)

1633	BI103-HYBC	🖱️	Online Course	15-week
1634	BI103-HYBB	F	11am-1:30pm	15-week

#### BI 104 - Anatomy and Physiology (4)

1644	BI104-HYBC	🖱️	Online Course	15-week
1645	BI104-HYBB	Tu	12:30pm-3pm	15-week

#### BI 130 - Forensic Biology (4)

1672	BI130-ONL1	🖱️	Online Course	15-week
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#### BI 220 - Cell Biology and Tissue Culture (4)

1681	BI220-HYBC	🖱️	Online Course	15-week
1682	BI220-HYB1	Tu	5pm-7:30pm	15-week
2394	BI220-HYB2	Th	5pm-7:30pm	15-week

### BLD: Building Trades

#### BLD 101 - Introduction to Building Trades (3)

1440	BLD101-HYB1	Tu	6pm-8:30pm	1st 7-week
2314	BLD101-HYB2	Tu	6pm-8:30pm	2nd 7-week

#### BLD 109 - Fundamentals of HVACR (4)

1442	BLD109-HYB1	MW	6pm-9pm	1st 7-week
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#### BLD 110 - Controls for HVACR (3)

1443	BLD110-HYB1	MW	6pm-8:30pm	2nd 7-week
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#### BLD 113 - HVAC Installation & Troubleshooting (3)

2136	BLD113-HYB1	TuTh	6pm-8:30pm	1st 7-week
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#### BLD 114 - Fossil Fuels & Hydronic Heating (3)

1444	BLD114-HYB1	TuTh	6pm-8:30pm	2nd 7-week
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#### BLD 141 - Fundamentals of Structural Wiring (4)

1447	BLD141-HYB1	TuTh	6pm-9pm	1st 7-week
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#### BLD 142 - Residential Electric (3)

1448	BLD142-HYB1	TuTh	6pm-8:30pm	2nd 7-week
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#### BLD 145 - Commercial Electric (3)

2318	BLD145-HYB1	MW	6pm-8:30pm	1st 7-week
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#### BLD 146 - Specialized Systems (3)

2319	BLD146-HYB1	MW	6pm-8:30pm	2nd 7-week
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### BPM: Bioprocessing Technology

#### BPM 110 - Bioprocessing Measurements (4)

1685	BPM110-HYBC	🖱️	Online Course	2nd 7-week
1686	BPM110-HYBB	TuTh	11am-1:45pm	2nd 7-week



BPM 214 - Techniques in Bioproduction (4)				
2291	BPM214-HYBC		Online Course	15-week
2290	BPM214-HYBB	Tu	6:30pm-9pm	15-week

## BU/MA: Business/Mathematics

BU/MA 205 - Business Statistics (3)				
2130	BU/MA205-ONL1		Online Course	15-week

## BU: Business Studies

BU 103 - Introduction to Business (3)				
1780	BU103-HYB1	M	2pm-3:15pm	15-week
1781	BU103-HYB2	Tu	6pm-8:35pm	1st 7-week
1784	BU103-HYB3	SAT	9am-11:35am	2nd 7-week Saturday
1782	BU103-ONL1		Online Course	15-week
1783	BU103-ONL2		Online Course	1st 7-week

BU 109 - Entrepreneurship & Small Business Enterprise (3)				
1785	BU109-HYB1	Tu	6pm-8:35pm	1st 7-week
1786	BU109-HYB2	Tu	6pm-8:35pm	2nd 7-week

BU 110 - Personal Financial Management (3)				
1787	BU110-ONL1		Online Course	15-week

BU 211 - Business Law I (3)				
1789	BU211-HYB1	Th	6pm-8:35pm	1st 7-week
1790	BU211-ONL1		Online Course	15-week

BU 221 - Public Relations (3)				
1791	BU221-ONL1		Online Course	15-week

BU 223 - Human Resource Management (3)				
1792	BU223-ONL1		Online Course	15-week

BU 225 - Marketing (3)				
1794	BU225-HYB1	W	6pm-8:35pm	2nd 7-week
1795	BU225-ONL1		Online Course	15-week

BU 227 - Principles of Management (3)				
1796	BU227-HYB1	M	6pm-8:35pm	1st 7-week
1797	BU227-ONL1		Online Course	15-week

BU 272 - Supervisory Management (3)				
1798	BU272-ONL1		Online Course	15-week

BU 273 - Business Communications (3)				
1800	BU273-ONL1		Online Course	15-week

BU 281 - Global Awareness in the Work Environment (3)				
1802	BU281-ONL1		Online Course	15-week

BU 290 - Project Management (3)				
2439	BU290-HYB1	Tu	6pm-8:45pm	15-week

## CAD: Computer Aided Design

CAD 101 - Introduction to AutoCAD I (3)				
1803	CAD101-HYB1	Th	5pm-7:35pm	2nd 7-week

CAD 130 - Introduction to Revit (BIM) (3)				
1806	CAD130-HYB1	Th	5pm-7:35pm	1st 7-week

CAD 200 - Introduction to Architectural Drawing and Design (3)				
1807	CAD200-HYB1	W	5pm-7:30pm	2nd 7-week

## CH: Chemistry

CH 101 - General Chemistry (4)				
1713	CH101-ONL1		Online Course	15-week

## CIS: Computer and Information Sciences

CIS 101 - Information Systems and Technology (3)				
1809	CIS101-HYB1	MW	8am-9:15am	13-week
1814	CIS101-HYB2	MW	9:30am-10:45am	13-week
1812	CIS101-HYB3	MW	11am-12:15pm	13-week
1813	CIS101-HYB4	MW	12:30pm-1:45pm	13-week
1815	CIS101-HYB5	MW	2pm-3:15pm	13-week
1822	CIS101-HYB6	MW	3:30pm-4:45pm	13-week
1816	CIS101-HYB7	TuTh	8am-9:15am	13-week
1817	CIS101-HYB8	TuTh	9:30am-10:45am	13-week
1819	CIS101-HYB9	TuTh	11am-12:15pm	13-week
1820	CIS101-HY10	TuTh	12:30pm-1:45pm	13-week
1821	CIS101-HY11	TuTh	2pm-3:15pm	13-week
1825	CIS101-HY12	M	6pm-8pm	2nd 10-week
1823	CIS101-HY13	W	5pm-6:30pm	13-week
1824	CIS101-HY14	Th	6:30pm-8:30pm	2nd 10-Week
1826	CIS101-ONL1		Online Course	15-week
1827	CIS101-ONL2		Online Course	13-week
1828	CIS101-ONL3		Online Course	2nd 10-Week
1829	CIS101-ONL4		Online Course	2nd 7-week


CIS 106 - Object Design and Programming (3)				
2097	CIS106-HYB1	MW	8am-9:15am	13-week
1830	CIS106-HYB2	MW	9:30am-10:45am	13-week
1831	CIS106-HYB3	MW	11am-12:15pm	13-week
1832	CIS106-HYB4	MW	12:30pm-1:45pm	13-week
1833	CIS106-HYB5	TuTh	9:30am-10:45am	13-week
1834	CIS106-HYB6	TuTh	11am-12:15pm	13-week
1835	CIS106-HYB7	TuTh	12:30pm-1:45pm	13-week
1836	CIS106-HYB8	TuTh	2pm-3:15pm	13-week
1838	CIS106-HYB9	M	5pm-7:30pm	2nd 10-week
1839	CIS106-HY10	W	5pm-6:30pm	13-week
1837	CIS106-HY11	W	6:45pm-9pm	2nd 10-Week
2244	CIS106-HY12	Th	6:45pm-9pm	13-week
2277	CIS106-ONL1		Online Course	13-week

CIS 111E - Microcomputer Software Applications: Spreadsheets (3)				
1841	CIS111E-HYB1	M	5pm-6:15pm	13-Week
1842	CIS111E-ONL1		Online Course	13-week

CIS 111J - Microcomputer Software Applications: Web Page Development (3)				
2283	CIS111J-HYB1	Tu	7:15pm-9:15pm	2nd 10-Week

CIS 111L - UNIX/Linux Operating System (3)				
1843	CIS111L-HYB1	W	5pm-6:15pm	13-week
2098	CIS111L-ONL1		Online Course	2nd 10-Week

CIS 111M - PC Operating Systems (3)				
1844	CIS111M-HYL1	M	2:30pm-3:45pm	13-week
<i>Note: Students must also register for CIS212-HYL1.</i>				
1846	CIS111M-HYL2	W	6pm-7:15pm	13-week
<i>Note: Students must also register for CIS212-HYL2.</i>				
1845	CIS111M-HYL3	Tu	5pm-6:15pm	13-week
<i>Note: Students must also register for CIS212-HYL3.</i>				
1847	CIS111M-HYL4	Th	4pm-5:15pm	13-week
<i>Note: Students must also register for CIS212-HYL4.</i>				
1848	CIS111M-ONLK		Online Course	2nd 7-week
<i>Note: Students must also register for CIS212-ONLK.</i>				


CIS 111R - Business Software Applications (3)  
1849 CIS111R-ONL1  Online Course 2nd 10-Week


CIS 117 - Data Science Essentials (3)  
2354 CIS117-HYB1 Th 5pm-7pm 2nd 10-Week

CIS 118 - Data Analytics Using Spreadsheets (3)  
2355 CIS118-HYB1 W 6:30pm-8:30pm 2nd 10-Week

CIS 119 - Statistical Analysis System (SAS) (3)  
2356 CIS119-HYB1 Th 7:15pm-9:15pm 2nd 10-Week

CIS 140 - Java Programming (3)  
1850 CIS140-HYB1 Th 5pm-6:30pm 13-week

CIS 170 - Security Fundamentals (3)  
1851 CIS170-HYB1 W 9:30am-11:55am 2nd 7-week  
1852 CIS170-HYB2 Tu 6:30pm-9pm 2nd 8-week  
1853 CIS170-ONL1  Online Course 2nd 7-week

CIS 173 - Healthcare Information Technology (3)  
2284 CIS173-ONL1  Online Course 2nd 7-week


CIS 175 - Game Theory and Design (3)  
1854 CIS175-HYB1 Tu 6:30pm-8:45pm 1st 7-week

CIS 176 - Game Creation (3)  
1855 CIS176-HYB1 Tu 6:30pm-8:45pm 2nd 8-week

CIS 177 - Interactive 3D Technology (3)  
1856 CIS177-HYB1 Tu 2pm-4:30pm 1st 7-week

CIS 178 - 3D Modeling and Animation (3)  
1857 CIS178-HYB1 Tu 2pm-4:30pm 2nd 8-week

CIS 179 - Cybersecurity Fundamentals (3)  
2285 CIS179-HYB1 M 3:30pm-4:45pm 13-week  
2102 CIS179-HYB2 W 2pm-3:15pm 13-week  
1858 CIS179-HYB3 M 5pm-6:30pm 2nd 10-week  
1859 CIS179-ONL1  Online Course 2nd 10-Week


CIS 180 - Networking Fundamentals (3)  
1860 CIS180-HYB1 W 9:30am-11:55am 1st 7-week  
1861 CIS180-HYB2 Tu 6:30pm-9pm 1st 7-week  
1862 CIS180-ONL1  Online Course 1st 7-week

CIS 190 - Cisco 1 Network Fundamentals (3)  
1863 CIS190-ONL1  Online Course 1st 7-week

CIS 191 - Cisco 2 Routing Technologies (3)  
1864 CIS191-ONL1  Online Course 2nd 7-week

CIS 192 - Cisco 3 Switching Technologies (3)  
1865 CIS192-HYB1 M 5pm-7:30pm 1st 7-week


CIS 193 - Cisco 4 WAN Technologies (3)  
1866 CIS193-HYB1 M 5pm-7:30pm 2nd 7-week

CIS 200 - IT Support Services (3)  
2103 CIS200-ONL1  Online Course 2nd 7-week


CIS 201 - Computer Science I (4)  
1867 CIS201-HYB1 TuTh 11am-12:15pm 13-week  
1868 CIS201-HYB2 Tu 6:45pm-9pm 13-week

CIS 202 - Computer Science II (4)  
1869 CIS202-HYB1 W 5pm-7pm 13-week

CIS 203 - Systems Analysis & Design (3)  
1870 CIS203-HYB1 W 12:30pm-1:45pm 13-week  
2104 CIS203-ONL1  Online Course 2nd 10-Week


CIS 204 - Computer & Information Sciences Project (3)  
1871 CIS204-ONL1  Online Course 2nd 10-Week

CIS 208 - C++ Programming (3)  
2292 CIS208-HYB1 M 6:30pm-9pm 2nd 10-Week

CIS 212 - PC Repair & Diagnostics (3)  
1872 CIS212-HYL1 M 3:45pm-5pm 13-week  
*Note: Students must also register for CIS111M-HYL1.*  
1874 CIS212-HYL2 W 7:15pm-8:30pm 13-week  
*Note: Students must also register for CIS111M-HYL2.*  
1873 CIS212-HYL3 Tu 6:15pm-7:30pm 13-week  
*Note: Students must also register for CIS111M-HYL3.*  
1875 CIS212-HYL4 Th 5:15pm-6:30pm 13-week  
*Note: Students must also register for CIS111M-HYL4.*  
1876 CIS212-ONLK  Online Course 1st 7-week  
*Note: Students must also register for CIS111M-ONLK.*

CIS 217 - Cybercrime and Digital Forensics Investigation (3)  
1878 CIS217-HYB1 Th 5pm-6:30pm 13-week  
1877 CIS217-ONL1  Online Course 2nd 10-Week

CIS 218 - Information Security & Assurance (3)  
1879 CIS218-HYB1 Th 6:45pm-8:15pm 13-week  
1880 CIS218-ONL1  Online Course 2nd 10-Week

CIS 219 - Ethical Hacking and Systems Defense (3)  
1881 CIS219-HYB1 W 6:30pm-7:45pm 13-week  
1882 CIS219-ONL1  Online Course 2nd 10-Week

CIS 222 - Computer Organization (4)  
1883 CIS222-HYB1 W 7:15pm-8:30pm 2nd 10-Week

CIS 223 - Cloud Security (3)  
1884 CIS223-HYB1 W 8pm-9:15pm 13-week  
2105 CIS223-ONL1  Online Course 2nd 10-Week

CIS 225C - Computer Programming Language: Mobile Applet Programming (3)  
2106 CIS225C-HYB1 Tu 5pm-6:30pm 13-week

CIS 227 - Game Programming (4)  
1885 CIS227-HYB1 Th 5pm-7pm 13-week



CIS 228 - Simulation and Game Development (4)  
2293 CIS228-HYB1 M 5pm-7pm 2nd 10-Week



CIS 230 - Database Management Systems (3)  
2139 CIS230-HYB1 Tu 5pm-7pm 2nd 10-Week

## CJ: Criminal Justice

CJ 101 - Introduction to Criminal Justice (3)  
1940 CJ101-ONL1  Online Course 15-week

## CMM: Communications Media

CMM 101 - Introduction to Electronic Media (3)  
1154 CMM101-ONL1  Online Course 15-week  
1155 CMM101-ONL2  Online Course 2nd 8-week

CMM 103 - Introduction to Film (3)				
1159	CMM103-ONL1		Online Course	15-week
1160	CMM103-ONL2		Online Course	2nd 8-week

## CMSP: Communications Speech


CMSP 103 - Speech Fundamentals (3)				
1196	CMSP103-ONL1		Online Course	15-week


CMSP 107 - Career Communication (3)				
1216	CMSP107-ONL1		Online Course	15-week

## CON: Construction Management

CON 101 - Construction Management (3)				
1886	CON101-ONL1		Online Course	15-week

## EC: Economics

EC 201 - Principles of Economics (3)				
1891	EC201-HYB1	W	2pm-3:15pm	15-week
1895	EC201-HYB2	SAT	9am-11:35am	2nd 7-week Saturday
1896	EC201-HYB3	M	6pm-8:35pm	1st 7-week
1897	EC201-HYB4	Tu	6pm-8:35pm	2nd 7-week
1898	EC201-ONL1		Online Course	15-week

EC 202 - Principles of Economics (3)				
1902	EC202-HYB1	M	6pm-8:35pm	2nd 7-week
1903	EC202-ONL1		Online Course	15-week

## ECD: Early Childhood Development

ECD 101 - Introduction to Early Childhood Education (3)				
1948	ECD101-ONL1		Online Course	15-week

ECD 104 - Activities I for Children (3)				
1950	ECD104-HYB1	M	6pm-8:30pm	2nd 7-week

ECD 106 - Infants & Toddlers Development and Care (3)				
1951	ECD106-HYB1	W	6pm-8:30pm	1st 7-week

ECD 108 - Activities for the School-Age Child (3)				
1953	ECD108-HYB1	M	6pm-8:30pm	1st 7-week

## ED: Education

ED 100 - Child Development & Behavior (3)				
1965	ED100-ONL1		Online Course	15-week





ED 102 - Schools and Society (3)				
1958	ED102-ONL1		Online Course	15-week

ED 202 - Educational Psychology (3)				
1960	ED202-ONL1		Online Course	15-week


ED 203 - Foundations of Special Education (3)				
1962	ED203-ONL1		Online Course	15-week

ED 214 - Processes and Acquisition of Reading (3)				
1964	ED214-ONL1		Online Course	15-week

## ED/PS: Education/Psychology


ED/PS 208 - Human Growth and Development (3)				
1972	ED/PS208-ONL1		Online Course	15-week
1973	ED/PS208-ONL2		Online Course	15-week
1974	ED/PS208-ONL3		Online Course	2nd 8-week
1975	ED/PS208-ONL4		Online Course	2nd 8-week

## EM: Emergency Management

EM 104 - Disaster Response and Recovery (3)				
2430	EM104-ONL1		Online Course	15-week

EM 120 - Homeland Security (3)				
2063	EM120-ONL1		Online Course	15-week

EM 130 - Integrated Emergency Management (3)				
2320	EM130-ONL1		Online Course	15-week




EM 201 - Research and Technology in Emergency Management (3)				
2321	EM201-ONL1		Online Course	15-week


EM 205 - Emergency Management Leadership (3)				
2323	EM205-HYB1	Tu	5pm-7:30pm	15-week


EM 210 - Emergency Management Capstone (3)				
2324	EM210-HYB1	M	5pm-7:30pm	15-week

## EN: English

EN 101 - English Composition (3)				
1526	EN101-ONL1		Online Course	15-week
1527	EN101-ONL2		Online Course	15-week
1528	EN101-ONL3		Online Course	1st 8-week
1529	EN101-ONL4		Online Course	2nd 8-week

EN 102 - English Composition and Literature (3)				
1559	EN102-ONL1		Online Course	15-week
1560	EN102-ONL2		Online Course	15-week
1561	EN102-ONL3		Online Course	1st 8-week


EN 115 - Technical Writing (3)				
1562	EN115-ONL1		Online Course	15-week

EN 216 - The Short Story (3)				
2099	EN216-ONL1		Online Course	15-week

EN 231 - English Language Studies (3)				
1573	EN231-ONLC		Online Course	15-week

EN 231H - English Language Studies (3)				
1574	EN231H-ONLC		Online Course	15-week

## GG: Geography

GG 101 - Elements of Geography (3)				
1977	GG101-ONL1		Online Course	13-week

GG 102 - Cultural Geography (3)				
1979	GG102-ONL1		Online Course	13-week

## HE: Health Education

### HE 102 - Nutrition in a Changing World (3)

1007	HE102-ONL1		Online Course	15-week
1008	HE102-ONL2		Online Course	15-week
1009	HE102-ONL3		Online Course	1st 8-week
1010	HE102-ONL4		Online Course	2nd 8-week

### HE 110 - Nutrition Basics (1)

1012	HE110-ONL1		Online Course	1st 7-week
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### HE 201 - Stress Management (3)

1020	HE201-ONL1		Online Course	15-week
1021	HE201-ONL2		Online Course	15-week

### HE 204 - Health Education (3)

1026	HE204-HYB1	M	2pm-3:30pm	15-week
1027	HE204-ONL1		Online Course	15-week

## HI: History

### HI 101 - History of Western Civilization (3)

1984	HI101-ONL1		Online Course	15-week
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### HI 201 - History of the United States (3)

1989	HI201-ONL1		Online Course	13-week
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### HI 202 - History of the United States (3)

1992	HI202-ONL1		Online Course	13-week
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## HOS: Hospitality Culinary Tourism

### HOS 110 - Introduction to Hospitality Management (3)

2304	HOS110-HYB1	Tu	9am-11:40am	1st 7-week
1904	HOS110-HYB2	Tu	6pm-8:40pm	1st 7-week

## HS: Human Services

### HS 102 - Human Relations (3)

2003	HS102-ONL1		Online Course	15-week
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### HS 204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

2007	HS204-HYB1	F	1:30pm-3:30pm	15-week
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## HU: Humanities

### HU 104 - Introduction to Digital Humanities (3)

2336	HU104-HYB1	MW	12:30pm-1:45pm	15-week
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## ID: Interdisciplinary Studies

### ID 225 - Disaster, Crisis and Emergency Management (3)

2065	ID225-ONL1		Online Course	15-week
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## LA: Paralegal

### LA 100 - Introduction to Law (3)

2011	LA100-HYB1	SAT	9am-1:15pm	1st 7-week Saturday
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### LA 103 - Ethics for the Legal Professional (3)

2115	LA103-ONL1		Online Course	15-week
2237	LA103-ONL2		Online Course	15-week

### LA 104 - Contracts (3)

2116	LA104-HYB1	Tu	12:30pm-1:45pm	15-week
2117	LA104-ONL1		Online Course	15-week

### LA 105 - Torts (3)

2298	LA105-ONL1		Online Course	15-week
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### LA 106 - Law & Technology (3)

2118	LA106-ONL1		Online Course	2nd 8-week
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### LA 110 - Legal Research (3)

2119	LA110-HYB1	W	6pm-8:30pm	15-week
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### LA 120 - Legal Writing and Documents (3)

2299	LA120-HYB1	M	6pm-8:30pm	1st 7-week
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## LF: French

### LF 101 - Introductory French I (3)

1220	LF101-ONL1		Online Course	15-week
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## LS: Spanish

### LS 101 - Introductory Spanish I (3)

1231	LS101-ONL1		Online Course	15-week
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### LS 102 - Introductory Spanish II (3)

2427	LS102-ONL1		Online Course	15-week
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## MA: Mathematics

### MA 103 - Foundations of Mathematics (3)

1360	MA103-ONL1		Online Course	15-week
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### MA 111 - Precalculus (4)

1374	MA111-ONL1		Online Course	15-week
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### MA 201 - Applied Calculus (3)

2134	MA201-ONL1		Online Course	15-week
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### MA 206 - Elementary Statistics (3)

1401	MA206-ONL1		Online Course	15-week
2382	MA206-ONL2		Online Course	15-week

### MA 207 - Elementary Statistics with Probability (4)

1412	MA207-HYB1	M	5pm-6:40pm	15-week
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### MA 210 - Calculus I (4)

1417	MA210-ONL1		Online Course	15-week
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### MA 214 - Introduction to MATLAB (1)

1423	MA214-ONL1		Online Course	1st 5-week
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## MDA: Medical Assisting

### MDA 108 - Basic Medical Terminology (1)

1913	MDA108-ONL1		Online Course	1st 7-week
2344	MDA108-ONL2		Online Course	2nd 7-week




### MDA 109 - Medical Terminology (3)

1914	MDA109-HYB1	Tu	11am-12:15pm	15-week
1915	MDA109-HYB2	Th	2pm-3:15pm	15-week
1916	MDA109-HYB3	W	7:45pm-10:15pm	1st 7-week
1917	MDA109-ONL1		Online Course	15-week
1918	MDA109-ONL2		Online Course	2nd 7-week

### MDA 110 - Pharmacology for Medical Office Practice (3)

1919	MDA110-HYB1	Th	11am-1:30pm	1st 7-week
1920	MDA110-ONL1		Online Course	15-week


### MDA 112 - Medical/Administrative Office Applications (3)

1921	MDA112-HYB1	W	6:30pm-8:30pm	2nd 7-week
1922	MDA112-ONL1		Online Course	1st 7-week


### MDA 115 - Phlebotomy Skills (3)

1923	MDA115-HYB1	W	1pm-3:30pm	2nd 7-week
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### MDA 216 - Medical Coding Basics (3)

1927	MDA216-HYB1	Th	6:30pm-8:30pm	1st 7-week
1926	MDA216-ONL1		Online Course	15-week

### MDA 218 - Health Insurance Billing and Reimbursement (3)

1929	MDA218-HYB1	Th	6:30pm-8:30pm	2nd 7-week
1928	MDA218-ONL1		Online Course	1st 7-week

### MDA 220 - Electronic Health Records (3)


1930	MDA220-ONL1		Online Course	1st 7-week
1931	MDA220-ONL2		Online Course	2nd 7-week

### MDA 222 - Introduction to Federal Healthcare Programs and Laws (3)

1932	MDA222-ONL1		Online Course	15-week
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## MU: Music


### MU 101 - Introduction to Music History and Appreciation (3)

1238	MU101-ONL1		Online Course	15-week
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### MU 103 - Fundamentals of Music (3)


1250	MU103-ONL1		Online Course	15-week
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### MU 109 - History of American Popular Music (3)

1252	MU109-ONL1		Online Course	15-week
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## PC: Physical Science

### PC 103 - Elements of Physical Science (3)

1730	PC103-ONL1		Online Course	15-week
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### PC 104 - The Water Planet: Introduction to Oceanography (3)

1731	PC104-ONL1		Online Course	15-week
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### PC 106 - Introduction to Meteorology (4)

1734	PC106-ONL1		Online Course	15-week
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### PC 107 - Introductory Astronomy (4)

1739	PC107-ONL1		Online Course	15-week
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### PC 108 - Historical Geology (4)

2413	PC108-ONL1		Online Course	15-week
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### PC 115 - Introduction to Geoscience (4)


1747	PC115-ONL1		Online Course	15-week
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## PE: Physical Education

### PE 188 - Yoga (3)

2351	PE188-HYB1	W	6pm-8:35pm	1st 7-week
1053	PE188-HYB2	W	6pm-8:30pm	2nd 7-week

### PE 237 - Exercise Psychology (1)


1062	PE237-ONL1		Online Course	2nd 7-week
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## PH: Philosophy


### PH 101 - Introduction to Philosophy (3)

2128	PH101-ONL1		Online Course	2nd 8-week
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### PH 204 - World Religions (3)

1309	PH204-ONL1		Online Course	15-week
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### PH 208 - Business Ethics (3)

1314	PH208-ONL1		Online Course	15-week
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## PI: Political Science

### PI 104 - American Government: National (3)

2014	PI104-ONL1		Online Course	15-week
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## PS: Psychology


### PS 101 - General Psychology (3)

2030	PS101-ONL1		Online Course	15-week
2031	PS101-ONL2		Online Course	15-week
2120	PS101-ONL3		Online Course	15-week
2042	PS101-ONL4		Online Course	2nd 8-week

### PS 104 - Issues of Drug/Alcohol Use (3)

2032	PS104-ONL1		Online Course	13-week
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### PS 202 - Social Psychology (3)

2035	PS202-ONL1		Online Course	13-week
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### PS 206 - Abnormal Psychology (3)


2040	PS206-ONL1		Online Course	13-week
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## SO: Sociology

### SO 101 - Introduction to Sociology (3)

2053	SO101-ONL1		Online Course	15-week
2054	SO101-ONL2		Online Course	15-week
2062	SO101-ONL3		Online Course	13-week


### SO 102 - Social Problems (3)

2057	SO102-ONL1		Online Course	13-week
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### SO 201 - Criminology (3)

2060	SO201-ONL1		Online Course	15-week
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### SO 210 - Ethnic Diversity (3)

2010	SO210-ONL1		Online Course	15-week
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# Campus Locations

FCC classes are held on the main campus, at The Monroe Center, online, and offsite at various locations throughout the community and surrounding areas.

## Campus Locations

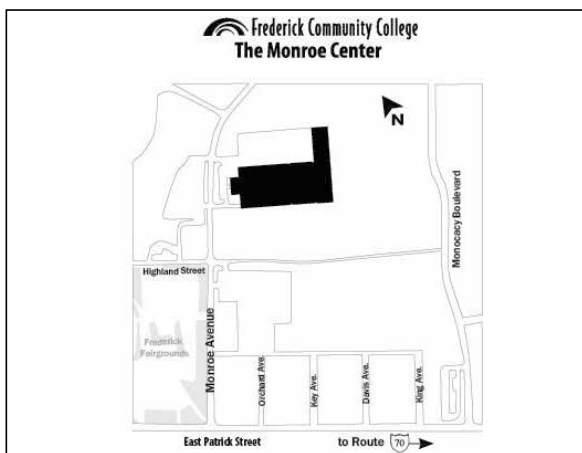
- A—Annapolis Hall
- B—Braddock Hall
- C—Catocin Hall
- D—Athletics Center
- E—Conference Center
- F—Visual & Performing Arts Center
- G—Gambrill Hall
- H—Student Center
- J—Jefferson Hall
- L—Linganore Hall
- P—Plant Operations
- S—Sweadner Hall
- K—Mercer-Akre Kiln

The Monroe Center  
200 Monroe Avenue • Frederick, MD 21701  
240.629.7900

**Visit [frederick.edu](http://frederick.edu) for directions and hours of operation.**

## FCC Main Campus

7932 Opossumtown Pike • Frederick, MD 21702





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