

# Frederick Community College

2017 J-Term & Spring  
Credit Schedule





# Table of CONTENTS

Academic Sessions .....	1
College Without Debt: Tuition & Fees .....	2
How to Apply .....	3
Financial Aid .....	8
Bookstore .....	9
Program Contact List .....	10
General Education Courses .....	11
J-Term (January Term) Courses .....	13
J-Term Online & Hybrid Courses .....	15
Spring Courses .....	16
Spring Online & Hybrid Courses .....	51
Campus Locations .....	59

## 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, January 21 (check website for Saturday hours)**

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

(A Building, first floor)

**Monday, 8:30am to 7pm**

**Tuesday–Friday, 8:30am to 4:30pm**

### Student Center

(H Building, first floor)

Bookstore, Cougar Grille, Center for Student Engagement, Multicultural Student Services

**Monday–Friday, 8:30am to 4:30pm**

**Bookstore (see page 9 for hours)**

### The Learning Commons

(L Building, second floor)

Tutoring and Writing Center, Center for Teaching and Learning, and Library Services

**Monday–Thursday, 7:45am to 8pm**

**Friday, 7:45am to 4:30pm**

**Saturday, noon to 3pm**

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 • Roger A. Wilson  
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# Academic Sessions

Registration opens November 7

*Breaks and closings	
Dr. Martin Luther King, Jr. Day - College Closed	January 16
No credit classes, College closes at 11 p.m.	March 27
No classes, college offices close at 4:30 p.m., College closes at 11 p.m.	March 28
Spring Break, college closed	March 29-April 2

## Important Deadlines

### Graduation Deadlines

Last day to apply for:

December 2016 graduation. . . . . December 15

January 2017 graduation . . . . . January 15

May 2017 graduation . . . . . April 15

### Incomplete Grade Deadlines

Fall 2016 "I" grades to F . . . . . February 8

J-Term 2017 "I" grades to F . . . . . February 3

## J-Term

January 3-18

First day of session . . . . . January 3

Last day to add . . . . . January 3

Last day 100% refund . . . . . January 4

Last day 50% . . . . . January 6

Last day to withdraw . . . . . January 13

Last day of session . . . . . January 18

Grades due (10 a.m.) . . . . . January 20

## Spring Semester

January 23-May 13

### 15-week

First day of session . . . . . January 23

Last day to add . . . . . January 27

Last day 100% refund . . . . . January 27

Last day 50% . . . . . February 2

Last day to withdraw . . . . . April 8

Last day of session . . . . . May 12

Grades due (10 a.m.) . . . . . May 17

### 1st 8-week

First day of session . . . . . January 23

Last day to add . . . . . January 25

Last day 100% refund . . . . . January 27

Last day 50% . . . . . February 2

Last day to withdraw . . . . . February 28

Last day of session . . . . . March 18

Grades due (10 a.m.) . . . . . March 22

### 1st 7-week

First day of session . . . . . January 23

Last day to add . . . . . January 25

Last day 100% refund . . . . . January 27

Last day 50% . . . . . February 2

Last day to withdraw . . . . . February 23

Last day of session . . . . . March 11

Grades due (10 a.m.) . . . . . March 15

### 1st 5-week

First day of session . . . . . January 23

Last day to add . . . . . January 24

Last day 100% refund . . . . . January 27

Last day 50% . . . . . February 2

Last day to withdraw . . . . . February 14

Last day of session . . . . . February 25

Grades due (10 a.m.) . . . . . March 1

### 14-week • Saturday

First day of session . . . . . January 28

Last day to add . . . . . February 3

Last day 100% refund . . . . . February 3

Last day 50% . . . . . February 8

Last day to withdraw . . . . . April 10

Last day of session . . . . . May 12

Grades due (10 a.m.) . . . . . May 16

### 1st 7-week • Saturday

First day of session . . . . . January 28

Last day to add . . . . . January 31

Last day 100% refund . . . . . February 2

Last day 50% . . . . . February 8

Last day to withdraw . . . . . March 1

Last day of session . . . . . March 11

Grades due (10 a.m.) . . . . . March 15

### 13-week

First day of session . . . . . February 6

Last day to add . . . . . February 10

Last day 100% refund . . . . . February 10

Last day 50% . . . . . February 16

Last day to withdraw . . . . . April 13

Last day of session . . . . . May 13

Grades due (10 a.m.) . . . . . May 17

### 2nd 5-week

First day of session . . . . . February 27

Last day to add . . . . . February 28

Last day 100% refund . . . . . March 3

Last day 50% . . . . . March 9

Last day to withdraw . . . . . March 21

Last day of session . . . . . April 8

Grades due (10 a.m.) . . . . . April 12

### 2nd 7-week

First day of session . . . . . March 20

Last day to add . . . . . March 22

Last day 100% refund . . . . . March 24

Last day 50% . . . . . April 6

Last day to withdraw . . . . . April 27

Last day of session . . . . . May 12

Grades due (10 a.m.) . . . . . May 16

### 2nd 7-week • Saturday

First day of session . . . . . March 25

Last day to add . . . . . April 4

Last day 100% refund . . . . . April 6

Last day 50% . . . . . April 11

Last day to withdraw . . . . . May 3

Last day of session . . . . . May 13

Grades due (10 a.m.) . . . . . May 17

### 2nd 8-week

First day of session . . . . . March 13

Last day to add . . . . . March 15

Last day 100% refund . . . . . March 17

Last day 50% . . . . . March 23

Last day to withdraw . . . . . April 25

Last day of session . . . . . May 13

Grades due (10 a.m.) . . . . . May 17

### 3rd 5-week

First day of session . . . . . April 10

Last day to add . . . . . April 11

Last day 100% refund . . . . . April 14

Last day 50% . . . . . April 20

Last day to withdraw . . . . . May 2

Last day of session . . . . . May 13

Grades due (10 a.m.) . . . . . May 17

### 10-week

First day of session . . . . . February 27

Last day to add . . . . . March 1

Last day 100% refund . . . . . March 3

Last day 50% . . . . . March 9

Last day to withdraw . . . . . April 20

Last day of session . . . . . May 13

Grades due (10 a.m.) . . . . . May 17



# College Without the Debt

## 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.

### J-Term & Spring 2017 Tuition & Fees Chart \*

Credits	In-County	Out-of-County	Out-of-State
1	\$144.12	\$284.12	\$376.12
2	\$288.24	\$568.24	\$752.24
3	\$432.36	\$852.36	\$1,128.36
4	\$576.48	\$1,136.48	\$1,504.48
5	\$720.60	\$1,420.60	\$1,880.60
6	\$864.72	\$1,704.72	\$2,256.72
7	\$1,008.84	\$1,988.84	\$2,632.84
8	\$1,152.96	\$2,272.96	\$3,008.96
9	\$1,297.08	\$2,557.08	\$3,385.08
10	\$1,441.20	\$2,841.20	\$3,761.20
11	\$1,583.08	\$3,123.08	\$4,135.08
12	\$1,724.96	\$3,404.96	\$4,508.96
13	\$1,866.84	\$3,686.84	\$4,882.84
14	\$2,008.72	\$3,968.72	\$5,256.72
15	\$2,150.60	\$4,250.60	\$5,630.60
16	\$2,292.48	\$4,532.48	\$6,004.48

\* Tuition and fees rates are subject to change.

### Tuition and fees\*

In-County per credit hour . . . . . \$119.00  
 Out-of-County per credit hour . . . . . \$259.00  
 Out-of-State per credit hour . . . . . \$351.00

**Consolidated Service Fee:** 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:** The revenue generated from the Student Activity Fee goes into a special account administered by the Student Government Association. These funds provide activities and cultural events open to all FCC students. The fee is charged on a credit hour basis for up to a maximum of 10 credit hours.

### Fees\*\*

Consolidated service fee (*per credit hour*) . . \$22.88  
 Student Activities (*10 credit maximum*) . . . . \$2.24  
 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*)  
 (*subject to change*) . . . . . \$82  
 Module Fee (*per module*) . . . . . \$100  
 Welding . . . . . \$180

**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.



## J-Term payment dates:

### December 9, 2016 4:30pm

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

### January 3, 2017 4:30pm

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

## Spring payment dates:

### January 13, 2017 4:30pm

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

### January 20, 2017 4:30pm

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

**When enrolling on or after January 21, 2017, payment is due by 4:30pm the day prior to each session start date.**

## 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 for spring

Last day to enroll online	Required down payment	Number of payments*	Months of payments
Dec. 6	20%	4	Jan. - Apr.
Jan. 6	30%	3	Feb. - Apr.
Feb. 6	40%	2	Mar. - Apr.
Mar. 6	50%	1	Apr.

\* Number of payments does not include the down payment made to FCC, if applicable.

For additional information, contact the Student Accounts office at 301.846.2456 or email questions to [studentaccounts@frederick.edu](mailto:studentaccounts@frederick.edu).

Students who are registered for a minimum of 6 credits and who have submitted a FAFSA (which has been received by FCC Financial Aid Office) may enroll in the deferred tuition pending aid payment plan. This plan holds your classes while your financial aid eligibility is being determined.

There are no payment plans available for J-Term.

# 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 [www.frederick.edu](http://www.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 ([www.frederick.edu](http://www.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 through assessment. Placement tests include a series of computer-based assessment tests that measure the reading, writing, and math skills needed for college-level coursework. Cut scores for mathematics and English courses are established through a statewide process, which are used for placement. Prerequisites are established for other courses. For more information on FCC placement testing, please visit <http://www.frederick.edu/student-resources/testing-center/placement-testing.aspx>.

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

- A. **"Certificate-Seeking"** refers to a category of individuals who have declared an intent to follow a sequence of specific credit courses resulting in a formal award of completion of up to 36 credits.
- B. **"Courses of Interest"** refers to a category of individuals who seek to take courses listed as credit in the FCC Academic Catalog for personal knowledge or professional development as opposed to the fulfillment of FCC degree requirements.
- C. **"Degree-Seeking"** refers to a category of individuals who have declared an intent to follow a prescribed curriculum in a career or transfer program that leads to an associate degree, which is generally 60 credits, unless otherwise specified.
- D. **"Developmental Courses"** are courses that prepare students for college-level coursework in reading, writing, English as a Second Language (ESL), and math. Developmental education includes multiple course sequences with students progressing as skills are developed. Students are assigned to developmental courses based on their placement test scores.
- E. **"Enrollment"** is the status achieved when an individual has registered for classes and has either paid or made arrangements for payment of tuition and/or fees.
- F. **"Full-time Enrollment"** refers to a student enrolled in twelve (12) or more credits during the fall or spring semesters, or in a total of twelve (12) credit hours cumulatively for the summer session.
- G. **"Readmitted Students"** refers to individuals who have attended FCC but not within the past two years.
- H. **"Transfer student"** refers to an individual who has attended another institution of higher learning after high school graduation or equivalency, and who seeks to receive credit for prior coursework completed at previous institutions.

## III. Placement Tests

- A. After applying to the College, placement tests are required for:
  1. Individuals who are first-time college students who are seeking a degree or certificate whether they enroll full-time or part-time.
  2. Individuals planning to take their first English or mathematics course.
  3. Students seeking a degree/certificate whether they enroll full-time or part-time who have not been tested in the past or whose placement scores and/or exemptions have expired.

4. Transfer or readmitted individuals who have not completed a college-level math and/or English course.
5. Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, or mathematics.
6. Individuals who change their designation from Courses of Interest to certificate- or degree-seeking.
  - A. Upon completion of all required placement tests, individuals are required to consult with an advisor to develop a degree or certificate plan for completion, including course selection. Individuals will choose courses based on their placement scores and their individual career and college goals.
  - C. Placement tests are not required for individuals as noted under Section VI "Exceptions and Exemptions to Required Placement Testing."

## IV. Placement Guidelines

- A. Placement scores will be valid for two years after the date of taking the placement test.
- B. Placement cut scores have been determined for college-readiness in reading, writing, and mathematics.
- C. Non-native English speakers and some world English speakers will take the Level of English Proficiency (LOEP) placement test.
- D. Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing their assessments.
- E. High school grades alone do not determine placement.
- F. Individuals are allowed to retest only one time per assessment, no sooner than 24 hours after the initial test.
- G. Students who are continuously enrolled will not be allowed to retest once enrolled in a developmental course sequence.

## 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 12 college credits will be exempted from the reading placement test if six credits are general education courses.

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

1. The equivalent of FCC course EN101 at an accredited U.S. institution or credit through DSST, CLEP, or International Baccalaureate exams.
2. The Advanced Placement (AP) test with a score of three or higher in English Language and Composition or English Literature and Composition. AP test scores are valid for five years.

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, CLEP, or International Baccalaureate exams.
2. The Advanced Placement (AP) test with a score of four or higher in Calculus or Statistics. AP test scores are valid for five years.

D. Individuals from Frederick County Public Schools (FCPS) who have taken Algebra II or higher in their junior or senior year and received a grade of A or B are exempt from taking the math placement test only. This exemption is valid for one year after the student's date of graduation from high school.

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

1. Individuals with an Sat math score of 500 or above or an ACT score of 21 or above are exempted from the math placement test.
2. Individuals with an Sat reading score of 500 or above are exempted from both the reading and the writing placement test.
3. Individuals with an ACT reading score of 21 or above are exempt from the reading placement test.
4. Individuals with an ACT writing score of 21 or above are exempt from the writing placement test.

F. 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.

G. Individuals who provide a copy of their official Accuplacer, Compass, 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 (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.

H. Individuals who have provided an unofficial transcript indicating Satisfactory completion 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.

I. Individuals from other institutions who present a "Permission to Enroll" form will be exempted from corresponding placement tests.

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

K. 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, if they provide the Testing Center with an unofficial transcript or report card indicating successful completion of grade 12 English and/or math, and their placement testing records can be verified by the Testing Center.

*The official version of the College Academic Assessment and Placement Policy and Procedures is on its website ([www.frederick.edu](http://www.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 Sat or ACT scores) before they can begin.

#### Three steps to ROAR:

- An online orientation featuring videos with our 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 on 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 attend a class if they are registered in that class and have 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.

**Students may attend a class if they are registered in that class and have made payment arrangements.**

## 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 10 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 51 for more information about online classes at FCC.

**Students may attend a class if they are registered in that class and have 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. For detailed information go to [www.frederick.edu/de](http://www.frederick.edu/de), or email [DualEnrollment@frederick.edu](mailto:DualEnrollment@frederick.edu).

### Beth Duffy

Director of Dual Enrollment  
240.629.7886

### Andrew McClain

Dual Enrollment Specialist  
301.624.2893

## 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.

## Students from Other Institutions

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 [www.frederick.edu](http://www.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 attend a class if they are registered in that class and have 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 Policy and Procedures.)

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

A. The word **domicile** as used in this policy and procedures shall mean 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** is 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 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** (defined as an unmarried individual claimed by parent(s) or guardian(s) as an income tax exemption in the previous taxable year) 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 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.

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 US 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

### 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:

- 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 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 [www.frederick.edu](http://www.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 ([www.frederick.edu](http://www.frederick.edu)) and may be revised annually.

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

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

## 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.

## 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 December 13 for J-term and January 2 for spring. Students must pay fees. See the **College Without the Debt** on page 2 for an explanation of fees. You can register before this date to reserve space, but you will have to pay full tuition and will not be eligible for the tuition-free benefit. There is no waiver of fees.

## Disabled and Retired

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

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

In order to receive this waiver of tuition:

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

## Financial Aid

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

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

### Application Process

1. Complete the 2016–2017 Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.gov](http://www.fafsa.gov) and list FCC’s school code in step 6 (002071). Deadline to apply is June 30, 2017.
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 [www.frederick.edu](http://www.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 [www.frederick.edu](http://www.frederick.edu) under the financial aid section.

## Recommended deadlines for the Spring 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	Financial Aid Application Must be completed by	Payment Due By
11/7–1/13, 4:30pm	11/30	1/13, 4:30pm
1/13–1/20, 4:30pm	Must pay in full or enroll in payment plan	1/20, 4:30pm
1/20–1/23	Must pay in full or enroll in payment plan	When enrolling on or after 1/21 payment is due by 4:30pm the day prior to each session start date

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 pending 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 [www.frederick.edu](http://www.frederick.edu). The Academic Works system is open for applications:

- October 31, 2016-January 3, 2017 for spring 2017

For additional information, contact the Financial Aid Office at 301.846.2620 or email [financialaid@frederick.edu](mailto:financialaid@frederick.edu).

## 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 notify the Coordinator for Deaf & Hard of Hearing Services 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

Coordinator for Deaf & Hard of Hearing Services 240.629.7819 (Voice); 240.575.1803 (VP); [interpreting@frederick.edu](mailto:interpreting@frederick.edu)

## Bookstore

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

### Hours

Monday-Thursday .....8:30am-7pm  
Friday .....8:30am-1pm  
Saturday, January 21 .....10am-2pm

## Bookstore Calendar

December 12.....J-Term books available to purchase  
January 2....Spring books available to purchase  
January 21 (Saturday).....10am-2pm  
March 27 & 28.....Bookstore closes at 4:30pm  
March 29-April 2.....Bookstore closed  
May 9,10,11.....Textbook buyback from 9am to 6:30pm  
May 15 & 16 .....Textbook buyback from 9am to 6:30pm

## Buying/Renting Books

Visit [bookstore.frederick.edu](http://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.



# 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 Smith	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 Smith	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
Communications Speech, Kathy Brooks	301.846.2635
Digital Media Design, Computer Graphics, Lisa Sheirer	301.846.2637
Digital Media Design, TV Production, Jason Santelli	301.846.2533
Humanities, Stephanie Curran	301.846.2512
Music, Paula Chipman	301.846.2566
Theatre, Tad Janes	301.846.2515
World Languages, Ana María Pinzón	301.624.2843

## Construction & Building Trades (Monroe Center)

Office Manager (Monroe, Main Lobby) Cheryl Concannon	240.629.7903
Instructional Specialist & Interim Program Manager, Chuck LoSchiavo	240.629.7985

## Emergency Management

Academic Program Manager, (E-102) Douglas McDaniel	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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## Mathematics

Office Manager (B-228), Jeanne Nesbitt	301.846.2530
Mathematics, Gary Hull	301.846.2576
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, Judy Staveley	301.846.2564
STEM (Science)	
Biology, Teresa Calzonetti	301.846.2557
Chemistry, Debra Ellis	301.846.2555
Engineering, Perry Wood	301.846.2554

## Social Sciences

Office Manager (H-242), 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, Sarah Bigham	301.846.2487
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

## Counseling & Advising Services

Office Manager, (J-207) Elizabeth Nichols	301.624.2867
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## Services for Students with Disabilities

Services for Students with Disabilities	301.846.2408
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# General Education Courses J-Term and/or Spring 2017 Offerings

## 1. Arts & Humanities

### Arts

AR100 - Introduction to the Creative Arts (3)  
AR101 - Two Dimensional Art and Design (3)  
AR103 - Survey of Non-Western Art (3)  
AR104 - Survey of Art I (3)  
AR105 - Survey of Art II (3)  
AR106 - Drawing I (3)  
AR113 - Pottery I (3)  
CMM101 - Introduction to Electronic Media (3)  
CMM103 - Introduction to Film (3)  
CMM103H - Introduction to Film (3)  
CMM105 - Basic Darkroom to Digital Photography (3)  
MU101 - Introduction to Music History and Appreciation (3)  
MU103 - Fundamentals of Music (3)  
MU108 - Survey of World Music (3)  
MU 108 can be taken to Satisfy either the General Education requirement in Arts or in Multicultural Issues & Perspectives, but not both.  
MU109 - History of American Popular Music (3)  
THR101 - Introduction to Theatre (3)

### Humanities

ASLS102 - American Sign Language I (3)  
ASLS103 - American Sign Language II (ASL II) (3)  
ASLS202 - American Sign Language III (ASL III) (3)  
ASLS203 - American Sign Language IV (3)  
EN102 - 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.  
EN102H - 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.  
EN202 - British Literature (3)  
EN204 - American Literature (3)  
EN206 - World Literature (3)  
EN216 - The Short Story (3)  
EN223 - Classical Mythology (3)  
EN226 - Film as Literature (3)  
EN230 - African American Literature  
HU104 - Introduction to Digital Humanities (3)  
LAR101 - Introductory Arabic I (3)  
LF101 - Introductory French I (3)  
LF102 - Introductory French II (3)  
LG101 - Introductory German I (3)  
LI101 - Introductory Italian I (3)  
LL102 - Introductory Latin II (3)  
LS101 - Introductory Spanish I (3)  
LS102 - Introductory Spanish II (3)  
LS202 - Intermediate Spanish I (3)  
PH101 - Introduction to Philosophy (3)  
PH204 - World Religions (3)  
PH205 - Ethics (3)

PH206 - Logic (3)  
PH207 - Biomedical Ethics (3)  
PH208 - Business Ethics (3)  
PH210 - Ethics and Film (3)

### Communications

CMSP101 - Introduction to Communication Studies (3)  
CMSP103 - Speech Fundamentals (3)  
CMSP105 - Small Group Communication (3)  
CMSP107 - Career Communication (3)  
CMSP109 - Basic Conflict Mediation (3)  
EN102 - 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.  
EN102H - 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/CMM218 - Journalism Publication Practicum (3)

## 2. English Composition

EN101 - English Composition (3)  
EN101H - English Composition (3)

## 3. Interdisciplinary & Emerging Issues

### Computer Literacy

CIS101 - Information Systems and Technology (3)  
CIS106 - Object Design and Programming (3)

### Wellness

HE102 - Nutrition in a Changing World (3)  
HE201 - Stress Management (3)  
HE204 - Health Education (3)  
NU101 - Introduction to Clinical Nursing (6)  
PE154 - Fitness for Living (3)  
ST101 - Introduction to Surgical Technology (6)

### Interdisciplinary

ID209 - Ethnic Diversity (3)  
ID200H - Honors Seminar: Special Topics in Interdisciplinary Studies (3)  
ID220 - World War II Through Film (3)  
ID225 - Disaster, Crisis and Emergency Management (3)  
ID250 - Global Scholar Experience (3)  
ID250 can be taken to Satisfy either the General Education requirement in Interdisciplinary or in Multicultural Issues & Perspectives, but not both.  
ID260 - The Language of Hip Hop (3)

### Multicultural Issues & Perspectives

ASLS106 - Introduction to the Deaf Community (3)  
BU281 - Global Awareness in the Work Environment (3)  
ID250 - Global Scholar Experience (3)  
ID 250 can be taken to Satisfy either the General Education requirement in Interdisciplinary or in Multicultural Issues & Perspectives, but not both.  
MU108 - Survey of World Music (3)  
MU 108 can be taken to Satisfy either the General Education requirement in Arts or in Multicultural Issues & Perspectives, but not both.  
PS209 - Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)

## 4. Mathematics

MA103 - Foundations of Mathematics (3)  
MA103A - Foundations of Mathematics with Algebra (3) [5]  
MA111 - Precalculus (4)  
MA130 - College Algebra (3)  
MA131 - Trigonometry with Analytic Geometry (3)  
MA201 - Applied Calculus (3)  
BU/MA205 - Business Statistics (3)  
BU/MA205A - Business Statistics with Algebra (3) [5]  
MA206 - Elementary Statistics (3)  
MA206A - Elementary Statistics with Algebra (3) [5]  
MA207 - Elementary Statistics with Probability (4)  
MA210 - Calculus I (4)  
MA211 - Calculus II (4)

## 5. Science

BI100 - Fundamental Concepts of Biology (4)  
BI101 - General Biology I (4)  
BI102 - General Biology 2 (4)  
BI103 - Anatomy and Physiology (4)  
BI104 - Anatomy and Physiology (4)  
BI104H - Anatomy and Physiology (4)  
BI107 - Human Biology (4)  
BI117 - Study of the Human Body (3)  
BI120 - Microbiology for Allied Health (4)  
BI130 - Forensic Biology (4)  
BI140 - Biotechnology and Society (3)  
BI201 - General Ecology (4)  
BI202 - Human Ecology (3)  
CH100 - Chemistry and Society (4)  
CH101 - General Chemistry (4)  
CH102 - General Chemistry (4)

PC103 - Elements of Physical Science (3)  
 PC104 - The Water Planet: Introduction to Oceanography (3)  
 PC105 - Introduction to the Science of Weather (3)  
 PC106 - Introduction to Meteorology (4)  
 PC107 - Introductory Astronomy (4)  
 PC108 - Historical Geology (4)  
 PC114 - Contemporary Physical Science (4)  
 PC115 - Introduction to Geoscience (4)  
 PC121 - Energy and Society (3)  
 PY101 - Survey of Physics (3)  
 PY202 - Fundamentals of Physics  
 PY203 - Introductory Physics I (4)  
 PY204 - Introductory Physics II (4)

## 6. Social & Behavioral Sciences

### Anthropology

AN101 - Introduction to Anthropology (3)

### Economics

EC201 - Principles of Economics (3)  
 EC202 - Principles of Economics (3)  
 EC202H - Principles of Economics (3)

### Education

ED102 - Schools & Society (3)  
 ED203 - Foundations of Special Education (3)  
 ED/PS208 - Human Growth & Development (3)

### Geography

GG101 - Elements of Geography (3)  
 GG102 - Cultural Geography (3)

### History

HI101 - History of Western Civilization (3)  
 HI102 - History of Western Civilization (3)  
 HI201 - History of the United States (3)  
 HI202 - History of the United States (3)  
 HI202H - History of the United States (3)

### Human Services

HS102 - Human Relations (3)

### Political Science

PI104 - American Government: National (3)

### Psychology

PS101 - General Psychology (3)  
 PS202 - Social Psychology (3)

### Sociology

SO101 - Introduction to Sociology (3)  
 SO102 - Social Problems (3)

# Phone Directory

College Information	301.846.2400
College 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 Registration Center	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



# 2017

## J-Term Credit Schedule

January 3-18

### ACCT: Accounting

#### ACCT101 - Principles of Accounting I (3)

*Prerequisites:* (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.

**607 ACCT101-1** Tu-F 9am - 12:45pm January 3-18

#### ACCT102 - 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.

**608 ACCT102-1** Tu-F 9am - 12:45pm January 3-18

### AR: Art

#### AR101 - Two Dimensional Art and Design (3)

GE—Arts

*Prerequisites or Corequisites:* [(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.

**624 AR101-1** Tu-F 9am - 12:45pm January 3-18

*Note:* Students must furnish own supplies.

#### AR106 - Drawing I (3)

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.

**628 AR106-1** Tu-F 9am - 12:45pm January 3-18

### Bl: Biological Science

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

*Prerequisites:* (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71), and MA 81

Presents basic science concepts and science study skills. A preparatory course for students who have limited science background.

**603 BI55-1** Tu-F 1pm - 4:45pm January 3-18

#### BI202 - Human Ecology (3)

GE—Science

*Prerequisites:* [(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 MA 103A or BU/MA 205A or MA 206A or MA 207A

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.

**604 BI202-1** Tu-F 9am - 12:45pm January 3-18

### BU/MA: Business/Mathematics

#### BU/MA205 - Business Statistics (3)

GE—Math

*Prerequisites:* (MA 81 or appropriate score on mathematics placement test) and (CIS 101 or CIS 111E or CIS 116E) and (placement in EN 51 or ESL 70 or higher on the reading placement test)

Introductory non-calculus statistics course for business. 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).

**650 BU/MA205-1** Tu-F 9am - 12:45pm January 3-18

### CIS: Computer and Information Sciences

#### CIS101 - Information Systems and Technology (3)

GE—Computer Literacy

*Prerequisites or Corequisites:* [(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.

**610 CIS101-HYB1** Tu-F 9am - 11:30am January 3-18

**611 CIS101-HYB2** Tu-F 12pm - 2:30pm January 3-18

**612 CIS101-HYB3** Tu,W,Th 6pm - 9pm January 3-18

### CMSP: Communications Speech

#### CMSP103 - Speech Fundamentals (3)

GE—Communications

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

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.

**631 CMSP103-1** Tu-F 9am - 12:45pm January 3-18

**632 CMSP103-2** Tu-F 5pm - 8:45pm January 3-18

#### CMSP105 - Small Group Communication (3)

GE—Communications; Cultural Competence

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

**634 CMSP105-1** Tu-F 9am - 12:45pm January 3-18

**635 CMSP105-2** Tu-F 9am - 12:45pm January 3-18

**636 CMSP105-3** Tu-F 1pm - 4:45pm January 3-18

### EC: Economics

#### EC201 - Principles of Economics (3)

GE—Economics

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

**613 EC201-1** Tu-F 9am - 12:45pm January 3-18

#### EC202 - Principles of Economics (3)

*Prerequisite:* EC 201

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

**615 EC202-1** Tu-F 9am - 12:45pm January 3-18

### EN: English

#### EN61 - Writing Skills II Part 2 (0) [2]

*Prerequisite:* EN 60 or results of writing placement exam

The second of a two-part sequence that develops writing skills in preparation for EN 101. Emphasizes writing well-organized essays. Includes review of grammar and punctuation and development of proofreading and editing skills.

**637 EN61-1** Tu-F 1pm - 4:45pm January 3-18

## EN120 - Composition Workshop (2)

*Prerequisite: EN 52, EN 61, or EN 101 (by advisement of the English department)*

Designed for students seeking additional instruction and practice in the writing process, researching, paraphrasing, summarizing, plagiarism avoidance, supporting a thesis, and employing proper documentation.

**646 EN120-1** Tu-F 12:30pm - 4:15pm January 3-18

## EN226 - Film as Literature (3)

GE--Humanities

*Prerequisite: EN 101*

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

**639 EN226-1** Tu-F 1pm - 4:45pm January 3-18

## HE: Health Education

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### HE201 - Stress Management (3)

GE--Wellness

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

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.

**625 HE201-1** Tu-F 9am - 12:45pm January 3-18

### HE204 - Health Education (3)

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

**627 HE204-1** Tu-F 1pm - 4:45pm January 3-18

## HI: History

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### HI101 - History of Western Civilization (3)

GE--History

Surveys the development of Western civilization from ancient times to 1500.

**647 HI101-1** Tu-F 5pm - 8:45pm January 3-18

### HI201 - History of the United States (3)

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

**645 HI201-1** Tu-F 9am - 12:45pm January 3-18

## HS: Human Services

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### HS102 - Human Relations (3)

GE--Human Services; Cultural Competence

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

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.

**620 HS102-1** Tu-F 9am - 12:45pm January 3-18

**641 HS102-2** Tu-F 5pm - 8:45pm January 3-18

## MA: Mathematics

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### MA80 - Pre-Algebra (0) [1]

*Prerequisite: Placement into EN 51 or ESL 70 or higher on the reading placement test*

Develops foundational math skills needed for Algebra. Topics include whole numbers, factors, fractions, signed numbers, and basic Algebra skills such as working with variables and solving one step equations. Technology is integrated with traditional skill practice throughout the course.

**651 MA80-A1** Tu-F 9am - 11:30am January 3-18

## MA103 - Foundations of Mathematics (3)

GE--Math

*Prerequisite: MA 81 or appropriate score on mathematics placement test*

Covers various topics within mathematics for those who need a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. Areas covered may include problem-solving strategies, logic, numeration systems, set theory, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming, graph theory, and voting theory. Students cannot receive credit for both MA 103 and MA 103A.

**602 MA103-1** Tu-F 9am - 12:45pm January 3-18

*Note: Classroom instruction supports T183/T184 calculators.*

### MA111 - Precalculus (4)

*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.

**652 MA111-1** Tu-F 9am - 2pm January 3-18

### MA206 - Elementary Statistics (3)

GE--Math

*Prerequisite: MA 81 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.

**601 MA206-1** Tu-F 9am - 12:45pm January 3-18

**606 MA206-2** Tu-F 5pm - 8:45pm January 3-18

## MDA: Medical Assisting

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### MDA104 - Medical Assisting Clinical I (1)

*Prerequisites: MDA 102, MDA 112*

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

**616 MDA104-1** ASG January 3-18

### MDA105 - Medical Administration Clinical I (1)

*Prerequisites: MDA 109, MDA 112*

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

**619 MDA105-1** ASG January 3-18

## NU: Nursing

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### NU50 - Preparation for Nursing (0) [1]

*Prerequisite: Acceptance into clinical nursing program*

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

**614 NU50-HYB1** M,W 5pm - 9pm January 3-18

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

## PC: Physical Science

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### PC103 - Elements of Physical Science (3)

GE--Science

*Prerequisites: [(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*

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.

**648 PC103-1** Tu-F 9am - 12:45pm January 3-18

## PE: Physical Education

### PE108 - Body Mechanics (1)

Examines the application of physical laws to the human body at rest or in motion, including concepts of effective, efficient and aesthetic postures, both static and dynamic. Emphasizes joint motions, care of the back and components of fitness including body compositions, flexibility, strength, muscular endurance and cardiovascular endurance.

**630 PE108-1** Tu-F 5pm - 7:15pm January 3-18

### PE154 - Fitness for Living (3)

GE--Wellness

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

Covers the components of physical fitness, stress, care of the back, nutrition and weight control. Evaluations in all areas included through laboratory experiences.

**633 PE154-1** Tu-F 9am - 12:45pm January 3-18

## PS: Psychology

### PS101 - General Psychology (3)

GE--Psychology

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

**621 PS101-1** Tu-F 9am - 12:45pm January 3-18

**644 PS101-ONL1** ONLINE January 3-18

## SO: Sociology

### SO101 - Introduction to Sociology (3)

GE--Sociology

Introduces the student to the study of society and the impact of society upon the individual. Exemplifies social processes in cultural patterns and institutions. Examines group values at various levels of human relationship.

**622 SO101-1** Tu-F 5pm - 8:45pm January 3-18

### SO102 - Social Problems (3)

GE--Sociology; Cultural Competence

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

**649 SO102-1** Tu-F 1pm - 4:45pm January 3-18

## ST: Surgical Technology

### ST105 - Clinical Practicum (5)

*Prerequisite: ST 100*

Develops surgical technology concepts, attitudes, and skills needed by students to perform as professional members of a surgical team. Demonstration of proficiency is essential during the perioperative phases of surgical procedures.

**638 ST105-1LC** M,Tu 8am - 3pm January 3-18

**640 ST105-11LB** W,Th,F 6:45am - 4pm January 3-18

*Note: Clinical Practicum Course includes two days of on-campus lecture.*



J-Term

# 2017

## Online & Hybrid Courses

See complete course descriptions and prerequisites and/or corequisites in the course section of this schedule.

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

## J-Term

### HS: Human Services

HS102 - Human Relations (3)

**641 HS102-ONL1** ONLINE

### PS: Psychology

PS101 - General Psychology (3)

**644 PS101-ONL1** ONLINE

### NU: Nursing

NU50 - Preparation for Nursing (0) [1]

**614 NU50-HYB1** M,W 5pm - 9pm HYBRID

### CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

**610 CIS101-HYB1** Tu-F 9am - 11:30am HYBRID

**611 CIS101-HYB2** Tu-F 12pm - 2:30pm HYBRID

**612 CIS101-HYB3** Tu,W,Th 6pm - 9pm HYBRID

### J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



# 2017

## Spring Credit Schedule

### ACCT: Accounting

#### ACCT100 - Business Accounting (3)

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

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.

4430 ACCT100-1	Tu,Th	8am - 9:15am	15-week
3124 ACCT100-2	W	5pm - 7:35pm	15-week
3125 ACCT100-HYB1	Sat	8:30am - 12pm	1st 7-week Saturday

#### ACCT101 - Principles of Accounting I (3)

*Prerequisites: (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.

3126 ACCT101-1	M,W	11am - 12:15pm	15-week
3127 ACCT101-2	M,W	2pm - 3:15pm	15-week
3128 ACCT101-3	Tu,Th	8am - 9:15am	15-week
3129 ACCT101-4	Tu,Th	9:30am - 10:45am	15-week
3130 ACCT101-5	Tu,Th	11am - 12:15pm	15-week
3131 ACCT101-6	M	5pm - 7:35pm	15-week
3132 ACCT101-7	Th	5pm - 7:35pm	15-week
3133 ACCT101-HYB1	Tu	6pm - 8:35pm	1st 7-week
3134 ACCT101-ONL1	📱	ONLINE	15-week

#### ACCT102 - 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.

3135 ACCT102-1	M,W	12:30pm - 1:45pm	15-week
3136 ACCT102-2	Tu,Th	9:30am - 10:45am	15-week
3137 ACCT102-3	Tu,Th	12:30pm - 1:45pm	15-week
3138 ACCT102-4	W	5pm - 7:35pm	15-week
3139 ACCT102-HYB1	Tu	6pm - 8:35pm	2nd 7-week
3140 ACCT102-ONL1	📱	ONLINE	15-week

#### ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)

*Prerequisites: (CIS 101 or COS 116D) and (ACCT 100 or ACCT 101)*

Demonstrates the use of commercial software in managing the accounting functions of a business enterprise. Using a hands-on approach, students will learn how to set up a fully integrated accounting system to record sales invoices, collections, purchase invoices, disbursements, and payroll transactions. Students will also set up and maintain inventory and accounts receivable/payable subsidiary ledgers and prepare financial reports.

3141 ACCT111-HYB1	Sat	8:30am - 12pm	2nd 7-week Saturday
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*Note: On-campus sessions: first and last Saturday only, Students advised to purchase book with software from FCC Bookstore*

#### ACCT117 - Payroll Accounting (3)

*Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and ACCT 100 or ACCT 101*

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

3142 ACCT117-1	Th	5pm - 7:35pm	15-week
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#### ACCT202 - Intermediate Accounting II (4)

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

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

3143 ACCT202-HYB1	M	5pm - 7:05pm	15-week
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#### ACCT203 - Managerial Cost Accounting (3)

*Prerequisite: ACCT 101*

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

3144 ACCT203-1	Th	5pm - 7:35pm	15-week
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#### ACCT214 - Auditing (3)

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

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

3145 ACCT214-HYB1	W	5pm - 7:30pm	15-week
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*Note: Meets on-campus alternate weeks with the first class meeting week #2.*

#### ACCT233 - Applied Accounting (3)

*Prerequisites: ACCT 111, ACCT 201, CIS 111E*

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

3146 ACCT233-HYB1	Tu	5pm - 6:15pm	15-week
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### ACE: Academic and Career Engagement

#### ACE100 - Learning Strategies (2)

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

Develops students' learning strategies and explores habits of successful college students. Students will enhance their academic skills and performance by developing strategies for studying and learning, such as ways to set goals, manage time, take notes, prepare for and take tests, read critically, and use college resources. Instruction is closely linked to the demands and content area courses in which students are enrolled.

3712 ACE100-LK1	M,W	9:30am - 10:20am	15-week
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*Note: Students must register for ACE100-LK1 and EN101-LK1 (It is an EN101 'S' class).*

3713 ACE100-LK2	M,W	12pm - 12:50pm	15-week
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*Note: Students must register for ACE100-LK2 and EN101-LK2 (It is an EN101 'S' class).*

3718 ACE100-LK3	M,W	2pm - 2:50pm	15-week
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*Note: Students must register for ACE100-LK3 and EN101-LK3 (It is an EN101 'S' class).*

3714 ACE100-LK4	Tu,Th	9:30am - 10:20am	15-week
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*Note: Students must register for ACE100-LK4 and EN101-LK4 (It is an EN101 'S' class).*

3715 ACE100-LK5	Tu,Th	12pm - 12:50pm	15-week
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*Note: Students must register for ACE100-LK5 and EN101-LK5 (It is an EN101 'S' class).*

3716 ACE100-LK6	Tu,Th	2:30pm - 3:20pm	15-week
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*Note: Students must register for ACE100-LK6 and EN101-LK6 (It is an EN101 'S' class).*

4522 ACE100-LK7	F	11:50am - 1:30pm	15-week
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*Note: Students must register for ACE100-LK7 and EN101-LK7 (It is an EN101 'S' class).*

3717 ACE100-LK8	W	7:45pm - 9:25pm	15-week
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*Note: Students must register for ACE100-LK8 and EN101-LK8 (It is an EN101 'S' class).*

#### ACE102 - College Success Tools (1)

*Prerequisites: (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.

4550 ACE102-1	M,W	9am - 10:15am	2nd 5-week
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### ACE110 - Career Assessment and Planning (3)

*Prerequisites:* (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.

4087 ACE110-1	Tu,Th	12:30pm - 1:45pm	15-week
4086 ACE110-2	F	11am - 2pm	13-week
4549 ACE110-3	Th	5pm - 8pm	13-week

### ACE111A - Introduction to Career Planning (1)

*Prerequisites:* (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.

4552 ACE111A-1	F	9am - 10:35am	2nd 8-week
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## AN: Anthropology

### AN101 - Introduction to Anthropology (3)

GE--Anthropology; Cultural Competence

*Prerequisites:* [(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.

3432 AN101-1	M,W	9:30am - 10:45am	15-week
3431 AN101-2	Tu,Th	11am - 12:15pm	15-week
3433 AN101-ONL1	📖	ONLINE	15-week

## AR: Art

### AR100 - Introduction to the Creative Arts (3)

GE--Arts

*Prerequisites:* [(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. The study of the creative arts will enhance self-expression and a better understanding of the human experience. The course meets the Maryland State approved Associate of Arts in Teaching degree.

3746 AR100-1	M,W	9:30am - 10:45am	15-week
3747 AR100-2	M,W	11am - 12:15pm	15-week
3748 AR100-3	M,W	12:30pm - 1:45pm	15-week
3749 AR100-4	Tu,Th	9:30am - 10:45am	15-week
4565 AR100-5	M	5pm - 7:35pm	15-week
3752 AR100-ONL1	📖	ONLINE	15-week

### AR101 - Two Dimensional Art and Design (3)

GE--Arts

*Prerequisites or Corequisites:* [(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.

3753 AR101-1	M,W	12:30pm - 2:30pm	15-week
3754 AR101-2	Tu,Th	8am - 10am	15-week
3755 AR101-3	Tu,Th	10am - 12pm	15-week

*Note: Students must furnish own supplies.*

### AR102 - Three Dimensional Art and Design (3)

*Prerequisite:* AR 101

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

3756 AR102-1	M,W	9:30am - 11:30am	15-week
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### AR103 - Survey of Non-Western Art (3)

GE--Arts; Cultural Competence

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

An introduction to indigenous visual expressions created in Africa, Asia and the Americas, emphasizing a global perspective and illuminating the historical and artistic interaction of world cultures. A visit to an art museum is required.

3757 AR103-1	Tu,Th	11am - 12:15pm	15-week
3758 AR103-2	Tu,Th	12:30pm - 1:45pm	15-week

### AR104 - Survey of Art I (3)

GE--Arts; Cultural Competence

*Prerequisites:* [(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.

3759 AR104-1	M,W	12:30pm - 1:45pm	15-week
3760 AR104-ONL1	📖	ONLINE	2nd 7-week

### AR105 - Survey of Art II (3)

GE--Arts; Cultural Competence

*Prerequisites:* [(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.

3761 AR105-1	M,W	2pm - 3:15pm	15-week
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### AR106 - Drawing I (3)

GE--Arts

*Prerequisites or Corequisites:* [(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.

3763 AR106-1	M,W	9:30am - 11:30am	15-week
3764 AR106-2	Tu,Th	10am - 12pm	15-week
3765 AR106-3	Tu,Th	12:30pm - 3:30pm	2nd 8-week
3766 AR106-4	W	12:30pm - 4:30pm	15-week
3767 AR106-5	Th	12:30pm - 4:30pm	15-week
3768 AR106-6	F	9am - 1pm	15-week
3769 AR106-7	M	5:30pm - 9:30pm	15-week

*Note: Students must furnish own supplies.*

### AR107 - Drawing II (3)

*Prerequisite:* AR 106

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

3770 AR107-1C	Th	5:30pm - 9:30pm	15-week
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### AR108 - Painting I (3)

*Prerequisite:* AR 101 or AR 106

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

3771 AR108-1C	Tu	12:30pm - 4:30pm	15-week
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### AR109 - Painting II (3)

*Prerequisite:* AR 108

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

3772 AR109-1C	Tu	12:30pm - 4:30pm	15-week
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### AR113 - Pottery I (3)

GE--Arts

*Prerequisites or Corequisites:* EN 50A and EN 52 or ESL 95 and ESL 99

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.

3773 AR113-1C	M	12:30pm - 4:30pm	15-week
3774 AR113-2C	Tu	12:30pm - 4:30pm	15-week
3775 AR113-3C	W	9am - 1pm	15-week
3776 AR113-4C	Th	9am - 1pm	15-week
3777 AR113-5C	M	5:30pm - 9:30pm	15-week
3778 AR113-6C	W	5:30pm - 9:30pm	15-week

## AR114 - Pottery II (3)

*Prerequisite:* AR 113

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

3779 AR114-1C	M	12:30pm - 4:30pm	15-week
3780 AR114-2C	Tu	12:30pm - 4:30pm	15-week
3781 AR114-3C	W	9am - 1pm	15-week
3782 AR114-4C	Th	9am - 1pm	15-week
3783 AR114-5C	M	5:30pm - 9:30pm	15-week
3784 AR114-6C	W	5:30pm - 9:30pm	15-week

## AR115 - Introduction to Color Theory and Design (3)

*Prerequisites or Corequisites:* [(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.

4357 AR115-1	M,W	9:30am - 11:30am	15-week
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## AR204 - Illustration I (3)

*Prerequisite:* AR 106

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

3786 AR204-1C	M,W	12:30pm - 2:30pm	15-week
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## AR205 - Illustration II (3)

*Prerequisite:* AR 204

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

3787 AR205-1C	M,W	12:30pm - 2:30pm	15-week
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## AR206 - Introduction to Figure Study I (3)

*Prerequisite:* AR 106

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

3788 AR206-1C	Th	5:30pm - 9:30pm	15-week
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## AR207 - Introduction to Watercolor I (3)

*Prerequisites or Corequisites:* [(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.

3789 AR207-1C	Tu,Th	9:30am - 11:30am	15-week
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## AR210 - Watercolor II (3)

*Prerequisite:* AR 207

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

3790 AR210-1C	Tu,Th	9:30am - 11:30am	15-week
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## ASLS: American Sign Language Studies

### ASLS100 - ASL Fingerspelling (2)

*Prerequisites:* ASLS 103 or permission of program manager

Provides an in-depth study of American Sign Language Fingerspelling. Fingerspelling is a crucial component of ASL. Focuses on developing receptive and expressive fingerspelling skills. Emphasizes whole-word and phrase recognition of fingerspelling embedded in signed sentences with clarity, accuracy, speed, and proper handshapes. Through class activities, this course covers names of people, cities, states, titles of books, movies, brand names, lexicalized fingerspelling and more.

3792 ASLS100-1	M,W	5pm - 5:50pm	15-week
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### ASLS101 - Visual Gestural Communication (3)

Trains students visual acuity (receptive and expressive) and coordination of body movements. Emphasis is on mime, gestures and facial expressions. Through class activities and movement, students communicate without using the spoken voice. This class is designed to be a foundation for American Sign Language 1-3. It is recommended that ASLS 102 be taken concurrently with ASLS101.

3793 ASLS101-1	M,W	11am - 12:15pm	15-week
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### ASLS102 - American Sign Language I (3)

GE—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.)

3794 ASLS102-1	M,W	9:30am - 10:45am	15-week
3795 ASLS102-2	M,W	11am - 12:15pm	15-week
3796 ASLS102-3	M,W	12:30pm - 1:45pm	15-week
3798 ASLS102-4	M,W	2pm - 3:15pm	15-week
3799 ASLS102-5	Tu,Th	11am - 12:15pm	15-week
3800 ASLS102-6	Tu,Th	12:30pm - 1:45pm	15-week
4370 ASLS102-7	Sat	9am - 11:30am	14-week
3801 ASLS102-8	M	5pm - 7:35pm	15-week
3803 ASLS102-9	W	5pm - 7:35pm	15-week

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

GE—Humanities

*Prerequisite:* ASLS 102

A continuation of American Sign Language I. Further develops communication competencies in sign language above the basic level. Introduces transcription symbols, sentence types, time pronominalization, subjects and objects, classifiers, locatives, pluralization and temporal and distributional aspects. Develops receptive/ expressive skills. Features additional information about the deaf community and deaf culture.

3804 ASLS103-1	M,W	12:30pm - 1:45pm	15-week
3805 ASLS103-2	Tu,Th	3:30pm - 4:45pm	15-week
3806 ASLS103-3	Th	5pm - 7:35pm	15-week

### ASLS106 - Introduction to the Deaf Community (3)

GE—Multicultural Perspective; Cultural Competence

Provides an introduction to the American Deaf Community. The course touches on various topics including: American Sign Language, different modes of communication, laws concerning the Deaf, professions within the Deaf community, education of Deaf children (controversies and approaches), the importance and value of Deaf Culture (including history, family, values, traditions, past and current trends).

3807 ASLS106-1	W	6pm - 8:35pm	15-week
3808 ASLS106-ONL1	📺	ONLINE	15-week

### ASLS107 - Introduction to Deaf History (3)

*Prerequisites:* [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and ASLS 106

Explores Deaf History from 355 B.C. to present day. Introduces significant individuals in history who were Deaf or influenced the Deaf culture. Explores the development of the first university for the Deaf and an island that was inhabited primarily by Deaf individuals. Examines how technology and inventions have improved and changed the lives of Deaf Society over time. Explores education of the Deaf and unique issues.

3809 ASLS107-ONL1	📺	ONLINE	15-week
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### ASLS108 - ASL Number Use (2)

*Prerequisite:* ASLS 102

Provides an in-depth study of American Sign Language Number Use. Number Use is an important component of American Sign Language. Focuses on developing receptive and expressive skills, proper handshapes and their signing location. This course covers 5 systems in ASL Number Use: cardinal, ordinal, incorporation, unique, and sports system. It is recommended that ASLS 103 be taken concurrently with ASLS 108.

3810 ASLS108-1	M,W	6pm - 6:50pm	15-week
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### ASLS202 - American Sign Language III (ASL III) (3)

GE—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.

3811 ASLS202-1	M	5pm - 7:35pm	15-week
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### ASLS203 - American Sign Language IV (3)

GE—Humanities

*Prerequisite:* ASLS 202

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

4025 ASLS203-1	Th	5pm - 7:35pm	15-week
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## ASLS206 - American Deaf Culture (3)

Prerequisite: ASLS 107

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

**3812 ASLS206-HYB1 Tu 5:30pm - 8:05pm 15-week**

Note: on-campus meeting dates to be determined

## BI: Biological Science

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

Prerequisites: (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71), and MA 81 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.

**3289 BI55-1 M,W 11am - 12:15pm 15-week**  
**3290 BI55-2 Tu,Th 8am - 9:15am 15-week**  
**3291 BI55-3 Tu,Th 2pm - 4:30pm 2nd 8-week**  
**3292 BI55-4 F 11am - 1:30pm 15-week**  
**3293 BI55-5 M 6pm - 8:35pm 15-week**

### BI100 - Fundamental Concepts of Biology (4)

GE—Science

Prerequisites: [(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 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.

**3294 BI100-1LC M,W 8am - 9:15am 15-week**  
**3295 BI100-11LB M 9:30am - 12pm 15-week**  
**4242 BI100-2LC M 12:30pm - 3:05pm 15-week**  
**4244 BI100-21LB W 12:30pm - 3pm 15-week**  
**3296 BI100-3LC M,W 12:30pm - 1:45pm 15-week**  
**3297 BI100-31LB W 9:30am - 12pm 15-week**  
**3298 BI100-4LC Tu 8am - 10:35am 15-week**  
**3299 BI100-41LB Th 8am - 10:30am 15-week**  
**4041 BI100-5LC Tu,Th 11am - 12:15pm 15-week**  
**4042 BI100-51LB Th 12:30pm - 3pm 15-week**  
**3300 BI100-6LC F 8am - 10:35am 15-week**  
**3301 BI100-61LB F 11am - 1:30pm 15-week**  
**3302 BI100-7LC Sat 9am - 11:45am 14-week**  
**3303 BI100-71LB Sat 12pm - 2:45pm 14-week**  
**3304 BI100-8LC Tu 6pm - 8:35pm 15-week**  
**3305 BI100-81LB Th 6pm - 8:30pm 15-week**  
**3306 BI100-HYBC 15-week**  
**3307 BI100-HYBB Tu 11am - 1:30pm 15-week**

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

## BI101 - General Biology I (4)

GE—Science

Prerequisites: Completion of high school biology strongly recommended, [(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.

**3308 BI101-1LC M,W 8am - 9:15am 15-week**  
**3309 BI101-11LB M 9:30am - 12pm 15-week**  
**4043 BI101-2LC M,W 12:30pm - 1:45pm 15-week**  
**4044 BI101-21LB W 9:30am - 12pm 15-week**  
**4045 BI101-3LC Tu 8am - 10:35am 15-week**  
**4046 BI101-31LB Th 8am - 10:30am 15-week**  
**3310 BI101-4LC Tu,Th 11:00am - 12:15pm 15-week**  
**3311 BI101-41LB Tu 2pm - 4:30pm 15-week**  
**4048 BI101-42LB Th 2pm - 4:30pm 15-week**  
 Note: Students enrolling in BI101-4LC must also register for BI101-41LB or BI101-42LB.  
**3312 BI101-5LC F 8am - 10:35am 15-week**  
**3313 BI101-51LB F 11am - 1:30pm 15-week**  
**3314 BI101-6LC Sat 9am - 11:45am 14-week**  
**3315 BI101-61LB Sat 12pm - 2:45pm 14-week**  
**3316 BI101-7LC T 6pm - 8:35pm 15-week**  
**3317 BI101-71LB Th 6pm - 8:30pm 15-week**

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

### BI102 - General Biology 2 (4)

GE—Science

Prerequisite: BI 101

Continues the comprehensive survey of modern biology begun in BI 101 with an emphasis on mechanisms of evolution, methods of phylogenetic reconstruction and analysis, diversity of life, and ecology. Surveys biological diversity of all eukaryotic domains and kingdoms, including the study of various anatomical, physiological, and behavioral adaptations for life in different habitats. Select vertebrate body systems are studied.

**3318 BI102-1LC Tu,Th 9:30am - 10:45am 15-week**  
**3319 BI102-11LB Tu 11am - 1:30pm 15-week**  
**4050 BI102-12LB Th 11am - 1:30pm 15-week**

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

### BI103 - Anatomy and Physiology (4)

GE—Science

Prerequisites: [(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.

**3320 BI103-1LC M,W 8am - 9:15am 15-week**  
**3321 BI103-11LB M 9:30am - 12pm 15-week**  
**4051 BI103-2LC M,W 12:30pm - 1:45pm 15-week**  
**4052 BI103-21LB W 9:30am - 12pm 15-week**  
**3322 BI103-3LC Tu,Th 8am - 9:15am 15-week**  
**3323 BI103-31LB Tu 9:30am - 12pm 15-week**  
**3324 BI103-4LC Tu,Th 11am - 12:15pm 15-week**  
**3325 BI103-41LB Th 12:30pm - 3pm 15-week**  
**3326 BI103-5LC F 8am - 10:35am 15-week**  
**3327 BI103-51LB F 11am - 1:30pm 15-week**  
**3328 BI103-6LC Sat 9am - 11:45am 14-week**  
**3329 BI103-61LB Sat 12pm - 2:45pm 14-week**  
**3330 BI103-7LC M 5pm - 7:35pm 15-week**  
**3331 BI103-71LB W 5pm - 7:30pm 15-week**  
**4053 BI103-LK1C Tu,Th 5pm - 7:35pm 1st 8-week**  
**4054 BI103-LK1B Tu,Th 7:45pm - 10:15pm 1st 8-week**

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

Note: BI103-LK1C and BI103-LK1B – Session dates are January 23 through March 14, 2017. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



## BI104 - Anatomy and Physiology (4)

GE--Science

Prerequisite: BI 103

The second course in a two-semester sequence. Includes the cardiovascular system, lymphatic system and immunity, respiratory system, digestive system and metabolism, urinary system, fluid/electrolyte balance, acid/base balance, and reproductive system.

3332 BI104-1LC	M,W	8am - 9:15am	15-week
3333 BI104-11LB	M	9:30am - 12pm	15-week
4055 BI104-2LC	M,W	12:30pm - 1:45pm	15-week
4056 BI104-21LB	W	9:30am - 12pm	15-week
3334 BI104-3LC	Tu,Th	12:30pm - 1:45pm	15-week
3335 BI104-31LB	Tu	2pm - 4:30pm	15-week
4057 BI104-4LC	Tu,Th	3:30pm - 4:45pm	15-week
4058 BI104-41LB	Th	12:30pm - 3pm	15-week
4059 BI104-5LC	F	8am - 10:35am	15-week
4060 BI104-51LB	F	11am - 1:30pm	15-week
3336 BI104-6LC	Sat	12pm - 2:45pm	14-week
3337 BI104-61LB	Sat	9am - 11:45am	14-week
3338 BI104-7LC	M	5pm - 7:35pm	15-week
3339 BI104-71LB	W	5pm - 7:30pm	15-week
3341 BI104-LK1B	Tu,Th	7:45pm - 10:15pm	2nd 8-week
3340 BI104-LK1C	Tu,Th	5pm - 7:35pm	2nd 8-week

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

Note: BI104-LK1C and BI104-LK1B - Session dates are March 16 through May 11, 2017. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

## BI104H - Anatomy and Physiology (4)

GE--Science

Prerequisite: BI 103

4255 BI104H-1LC	Tu,Th	12:30pm - 1:45pm	15-week
4256 BI104H-11LB	Th	9:30am - 12pm	15-week

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

## BI107 - Human Biology (4)

GE--Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisites: MA 82 or MA 85 or MA 103A or BU/MA 205A or MA 206A or MA 207A 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.

3342 BI107-1LC	M	12:30pm - 3:05pm	15-week
3343 BI107-11LB	W	12:30pm - 3pm	15-week

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

## BI117 - Study of the Human Body (3)

GE--Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisites: MA 82 or MA 85 or MA 103A or BU/MA 205A or MA 206A or MA 207A 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.

3344 BI117-1	M,W	9:30am - 12:05pm	2nd 8-week
3345 BI117-2	Th	5pm - 7:35pm	15-week

J-Term/Spring Semester Dates			
J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1

## BI120 - Microbiology for Allied Health (4)

GE--Science

Prerequisites: [(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.

3346 BI120-1LC	M,W	9:30am - 10:45am	15-week
3347 BI120-11LB	M,W	11am - 12:15pm	15-week
4526 BI120-2LC	M,W	12:30pm - 1:45pm	15-week
3348 BI120-21LB	M,W	2pm - 3:15pm	15-week
3349 BI120-3LC	Tu,Th	9:30am - 10:45am	15-week
3350 BI120-31LB	Tu,Th	11am - 12:15pm	15-week
4525 BI120-4LC	Tu,Th	12:30pm - 1:45pm	15-week
3351 BI120-41LB	Tu,Th	2pm - 3:15pm	15-week
4061 BI120-5LC	F	8am - 10:35am	15-week
4062 BI120-51LB	F	11am - 1:30pm	15-week
3354 BI120-6LC	M,W	6:20pm - 7:35pm	15-week
3355 BI120-61LB	M,W	7:45pm - 9pm	15-week
3356 BI120-7LC	Tu,Th	6:20pm - 7:35pm	15-week
3357 BI120-71LB	Tu,Th	5pm - 6:15pm	15-week

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

## BI130 - Forensic Biology (4)

GE--Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisites: MA 82 or MA 85 or MA 103A or BU/MA 205A or MA 206A or MA 207A 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.

3359 BI130-1LC	M	12:30pm - 3:05pm	15-week
3360 BI130-11LB	W	12:30pm - 3pm	15-week
4063 BI130-ONL1	📺	ONLINE	15-week

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

## BI140 - Biotechnology and Society (3)

GE--Science

Prerequisites: [(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.

4279 BI140-1	M,W	2pm - 3:15pm	15-week
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## BI201 - General Ecology (4)

GE--Science

Prerequisites: [(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.

3361 BI201-1LC	Tu,Th	11am - 12:15pm	15-week
3362 BI201-11LB	Tu	12:30pm - 3pm	15-week

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

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

## BI202 - Human Ecology (3)

GE--Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisites: MA 82 or MA 85 or MA 103A or BU/MA 205A or MA 206A or MA 207A 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.

3363 BI202-1	Tu	6pm - 8:35pm	15-week
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## BI220 - Cell Biology and Tissue Culture (4)

Prerequisites: BI 101 and CH 101

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

4282 BI220-HYBC		ONLINE	15-week
4283 BI220-HYBB	Tu	6pm - 8:30pm	15-week

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

## BI240 - Genetics (4)

Prerequisites: BI 101 and CH 101

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

3364 BI240-11C	M	12:30pm - 3:05pm	15-week
3365 BI240-11LB	W	12:30pm - 3pm	15-week

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

### Biology Notes:

BI107 - Human Biology offered spring semester only.

BI203 - Elements of Microbiology offered fall semester only.

BI240 - Genetics offered spring semester only.

## BLD: Building Trades

### BLD101 - Introduction to Building Trades (3)

Prerequisite: EN 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.

3088 BLD101-1	W	6pm - 8:30pm	15-week
4232 BLD101-HYB1	Tu	6pm - 8:30pm	1st 7-week
4511 BLD101-HYB2	Tu	6pm - 8:30pm	2nd 7-week

Note: Class held at FCC's Monroe Center

### BLD109 - Fundamentals of HVACR (4)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

3090 BLD109-HYB1	M,W	6pm - 9pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD110 - Controls for HVACR (3)

Prerequisite: BLD 109 or permission of program manager

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

3091 BLD110-HYB1	M,W	6pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD113 - HVAC Installation & Troubleshooting (3)

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

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

3092 BLD113-HYB1	Tu,Th	6pm - 8:30pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD114 - Fossil Fuels & Hydronic Heating (3)

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.

3093 BLD114-HYB1	Tu,Th	6pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD120 - Welding Symbols & Blueprint Reading (2)

Prerequisite: EN 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.

4234 BLD120-1	Tu,Th	5pm - 6pm	15-week
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Note: Class held at FCC's Monroe Center

### BLD121 - Introduction to Welding (4)

Prerequisite or Corequisite: BLD 120

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.

3094 BLD121-1	Tu,Th	9am - 4:30pm	1st 7-week
3096 BLD121-2C	Tu,Th	6pm - 9pm	15-week

Note: Class held at FCC's Monroe Center, Building Trades Welding fee: \$180

### BLD122 - Advanced Welding: SMAW (4)

Prerequisite: BLD 121

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.

3097 BLD122-1	Tu,Th	9am - 4:30pm	2nd 7-week
4241 BLD122-2C	Tu,Th	6pm - 9pm	15-week

Note: Class held at FCC's Monroe Center; Building Trades Welding fee: \$180

### BLD127 - Advanced Welding: GMAW (3)

Prerequisite: BLD 121

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

4228 BLD127-1	M,W	6pm - 8:30pm	15-week
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Note: Class held at FCC's Monroe Center; Building Trades Welding fee: \$180

### BLD141 - Fundamentals of Structural Wiring (4)

Prerequisite: EN 51 or ESL 97 or ESL 70

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.

4003 BLD141-HYB1	Tu,Th	6pm - 9pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD142 - Residential Electric (3)

Prerequisite: BLD 141 or permission of program manager

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

4249 BLD142-HBY2	Tu,Th	6pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD145 - Commercial Electric (3)

Prerequisite: BLD 142 or permission of program manager

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

3101 BLD145-HYB1	M,W	6pm - 8:30pm	1st 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

### BLD146 - Specialized Systems (3)

Prerequisite: BLD 141 or permission of program manager

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

3102 BLD146-HYB1	M,W	6pm - 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center, Building Trades fee: \$71.40

## BPM: Bioprocessing Technology

### BPM102 - Bioprocessing Environment (3)

*Prerequisites:* [(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.

**4284 BPM102-ONL1**  **ONLINE** **15-week**

### BPM103 - Laboratory Techniques I (1)

*Prerequisites:* Completion of high school biology or chemistry is strongly recommended, [(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.

**4305 BPM103-1** **M,W** **10:30am - 1:20pm** **1st 7-week**

### BPM110 - Bioprocessing Measurements (4)

*Prerequisite or Corequisite:* BPM 103

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

**4306 BPM110-HYBC**  **ONLINE** **2nd 7-week**

**4307 BPM110-HYBB** **M,W** **10:30am - 1:20pm** **2nd 7-week**

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

### BPM214 - Techniques in Bioproduction (4)

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

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

**4308 BPM214-1LC** **Tu** **8am - 10:35am** **15-week**

**4309 BPM214-11LB** **Th** **8am - 10:30am** **15-week**

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

## BU/MA: Business/Mathematics

### BU/MA205 - Business Statistics (3)

GE—Math

*Prerequisites:* (A grade of B or better in MA 80 or appropriate score on mathematics placement test) and (CIS 101 or CIS 111E or CIS 116E) and (placement in EN 51 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).

**3001 BU/MA205-1** **Tu,Th** **9:30am - 10:45am** **15-week**

**3003 BU/MA205-ONL1**  **ONLINE** **15-week**

### BU/MA205A - Business Statistics with Algebra (3) [5]

GE—Math

*Prerequisites:* (MA 81 or appropriate score on mathematics placement test) and (CIS 101 or CIS 111E or CIS 116E) and (placement in EN 51 or ESL 70 or higher on the reading placement test)

**4505 BU/MA205A-1** **M,Tu,W,Th** **11am - 12:05pm** **15-week**

*Note:* Students registering for BU/MA 205A must also register for MA A - Instruction with Algebra.

## BU: Business Studies

### BU103 - Introduction to Business (3)

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

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.

**3147 BU103-1** **M,W** **9:30am - 10:45am** **15-week**

**3148 BU103-2** **M,W** **12:30pm - 1:45pm** **15-week**


**3149 BU103-3** **Tu,Th** **12:30pm - 1:45pm** **15-week**


**3150 BU103-4** **Tu,Th** **2pm - 3:15pm** **15-week**

**3151 BU103-HYB1** **F** **9:30am - 12:05pm** **2nd 7-week**

**3152 BU103-HYB2** **Tu** **6pm - 8:35pm** **1st 7-week**

**3153 BU103-HYB3** **Tu** **6pm - 8:35pm** **2nd 7-week**

**3154 BU103-ONL1**  **ONLINE** **1st 7-week**

**4009 BU103-ONL2**  **ONLINE** **2nd 7-week**

### BU107 - Business Mathematics (3)

Covers the mechanics of computation and fundamentals of problem solving in such practical applications as statistics, percentage, interest, partial payments, distributions, payroll and graphs.


**3155 BU107-ONL1**  **ONLINE** **15-week**

### BU109 - Entrepreneurship & Small Business Enterprise (3)

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

**3156 BU109-1** **M,W** **11am - 12:15pm** **15-week**

**3157 BU109-HYB1** **M** **6pm - 8:35pm** **1st 7-week**

**4024 BU109-ONL1**  **ONLINE** **2nd 7-week**

### BU110 - Personal Financial Management (3)

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

**3158 BU110-ONL1**  **ONLINE** **15-week**

### BU211 - Business Law I (3)

*Prerequisite:* EN 101

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

**3159 BU211-1** **Tu,Th** **11am - 12:15pm** **15-week**

**4010 BU211-HYB1** **Th** **6pm - 8:35pm** **1st 7-week**

**3160 BU211-ONL1**  **ONLINE** **15-week**

### BU225 - Marketing (3)

*Prerequisites:* [(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.

**3161 BU225-1** **M,W** **9:30am - 10:45am** **15-week**

**3162 BU225-HYB1** **Tu** **11am - 12:15pm** **15-week**

**3163 BU225-ONL1**  **ONLINE** **15-week**

### BU227 - Principles of Management (3)

*Prerequisites:* [(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.

**3164 BU227-1** **M,W** **11am - 12:15pm** **15-week**

**4011 BU227-HYB1** **Th** **6pm - 8:35pm** **2nd 7-week**

**3165 BU227-ONL1**  **ONLINE** **15-week**

### BU272 - Supervisory Management (3)

*Prerequisites:* [(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.

**3166 BU272-HYB1** **W** **6pm - 8:35pm** **2nd 7-week**

### BU273 - Business Communications (3)

Prerequisites: [(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.

3167 BU273-HYB1	Th	11am - 12:15pm	15-week
3168 BU273-HYB2	Tu	6pm - 8:35pm	2nd 7-week
3169 BU273-ONL1	📱	ONLINE	15-week

### BU274 - Customer Relations (3)

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

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

3170 BU274-1	Th	8am - 10:30am	15-week
3171 BU274-ONL1	📱	ONLINE	15-week

### BU275 - Fundamentals of Leadership (3)

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

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

3172 BU275-ONL1	📱	ONLINE	15-week
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### BU281 - Global Awareness in the Work Environment (3)

GE—Multicultural Perspect; Cultural Competence

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

Promotes student awareness of the cultural diversity in the workplace whether in the US with multicultural coworkers or abroad. Stresses student thinking about the global work environment by analyzing and applying course information. Utilizes a variety of classroom and Internet activities and projects to develop an understanding of the workplace cultural surroundings.

3173 BU281-HYB1	W	12:30pm - 1:45pm	15-week
3174 BU281-ONL1	📱	ONLINE	15-week

### BU290 - Project Management (3)

Prerequisite: CIS 101

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

4431 BU290-HYB1	W	6pm - 8:35pm	1st 7-week
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## CAD: Computer Aided Design

### CAD101 - Introduction to AutoCAD I (3)

Prerequisite: EN 51 or ESL 97 or ESL 70

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.

3175 CAD101-1	Tu	5pm - 7:35pm	15-week
3176 CAD101-HYB1	Th	5pm - 7:35pm	2nd 7-week

### CAD102 - Introduction to AutoCAD II (3)

Prerequisite: CAD 101

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

3177 CAD102-1	M	5pm - 7:35pm	15-week
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### CAD130 - Introduction to Revit (BIM) (3)

Prerequisite: 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.

3178 CAD130-HYB1	Th	5pm - 7:35pm	1st 7-week
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### CAD201 - Residential Architecture I (4)

Prerequisite: CAD 102

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

3179 CAD201-HYB1	W	5pm - 8:45pm	1st 7-week
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### CAD202 - Residential Architecture II (4)

Prerequisite: CAD 201

Introduces the use of AutoCad in preparing construction documents and 3-dimensional models of buildings. Architecture terminology, building techniques, building conventions, building design, and architecture-related information will be introduced. Students will complete a set of plans and work with various disciplines for one house. Plans will be completed using AutoCad.

4558 CAD202-HYB1	W	5pm - 8:45pm	2nd 7-week
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### CAD204 - Introduction to Inventor (3)

Prerequisite: CAD 102

Introduces Autodesk Inventor software and its application as a design/drawing tool. This course covers basic and advanced Autodesk Inventor features used to create, edit, document, and print parts and assemblies.

3180 CAD204-HYB1	Th	5pm - 7:35pm	2nd 7-week
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### CAD205 - Civil Drafting I with CAD (3)

Prerequisite: CAD 102

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

3181 CAD205-1	M	5pm - 7:35pm	15-week
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## CH: Chemistry

### CH100 - Chemistry and Society (4)

GE—Science

Prerequisites: [(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.

3366 CH100-1LC	Tu	8am - 10:35am	15-week
3367 CH100-11LB	Th	8am - 10:30am	15-week

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

## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



## CH101 - General Chemistry (4)

GE—Science

*Prerequisites: Completion of high school chemistry strongly recommended, [(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.

3368 CH101-1LC	M,W	9:30am - 10:45am	15-week
3369 CH101-11LB	M	11am - 1:30pm	15-week
4066 CH101-2LC	M,W	12:30pm - 1:45pm	15-week
4067 CH101-21LB	M	2pm - 4:30pm	15-week
3370 CH101-3LC	M,W	12:30pm - 1:45pm	15-week
3371 CH101-31LB	W	2pm - 4:30pm	15-week
4514 CH101-4LC	M,W	2pm - 3:15pm	15-week
4068 CH101-41LB	W	11am - 1:30pm	15-week
4513 CH101-5LC	Tu,Th	9:30am - 10:45am	15-week
3375 CH101-51LB	Tu	11am - 1:30pm	15-week
3372 CH101-6LC	Tu,Th	9:30am - 10:45am	15-week
3373 CH101-61LB	Th	11am - 1:30pm	15-week
3374 CH101-7LC	Tu,Th	12:30pm - 1:45pm	15-week
3376 CH101-71LB	Th	2pm - 4:30pm	15-week
3377 CH101-8LC	F	8am - 10:35am	15-week
3378 CH101-81LB	F	11am - 1:30pm	15-week
3379 CH101-9LC	Sat	9am - 11:45am	14-week
3380 CH101-91LB	Sat	12pm - 2:45pm	14-week
3383 CH101-10LC	M	5pm - 7:35pm	15-week
3384 CH101-101B	W	5pm - 7:30pm	15-week
3381 CH101-11LC	Tu	6pm - 8:35pm	15-week
3382 CH101-111B	Th	6pm - 8:30pm	15-week
3385 CH101-ONL1	📖	ONLINE	15-week

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

## CH102 - General Chemistry (4)

GE—Science

*Prerequisite: CH 101*

Continues examining the concepts underlying modern chemistry, including kinetics, equilibrium, acid-base theory, nuclear chemistry, electro-chemistry, chemistry of the elements and an introduction to organic and biochemistry. Laboratory experiments illustrate the lecture material.

4316 CH102-1LC	M,W	2pm - 3:15pm	15-week
4319 CH102-11LB	W	11am - 1:30pm	15-week
4069 CH102-2LC	Tu,Th	11am - 12:15pm	15-week
4070 CH102-21LB	Th	8am - 10:30am	15-week
3390 CH102-3LC	F	8am - 10:35am	15-week
3391 CH102-31LB	F	11am - 1:35pm	15-week
3388 CH102-4LC	Tu	6pm - 8:35pm	15-week
3389 CH102-41LB	Th	6pm - 8:30pm	15-week

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

## CH201 - Organic Chemistry (4)

*Prerequisite: CH 102*

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

3392 CH201-1LC	Tu,Th	9:30am - 10:45am	15-week
3393 CH201-11LB	Tu	12:30pm - 3:25pm	15-week
4071 CH201-2LC	M	5pm - 7:35pm	15-week
4072 CH201-21LB	W	5pm - 7:55pm	15-week

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

## CH202 - Organic Chemistry (4)

*Prerequisite: CH 201*

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

3394 CH202-1LC	Tu,Th	11am - 12:15pm	15-week
3395 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

### CIS101 - Information Systems and Technology (3)

GE—Computer Literacy

*Prerequisites or Corequisites: [(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.

3182 CIS101-1	M,W	8am - 9:15am	15-week
4433 CIS101-2	M,W	8am - 9:15am	15-week
3183 CIS101-3	M,W	9:30am - 10:45am	15-week
4012 CIS101-4	M,W	9:30am - 10:45am	15-week
3184 CIS101-5	M,W	11am - 12:15pm	15-week
3185 CIS101-6	M,W	11am - 12:15pm	15-week
3186 CIS101-7	M,W	12:30pm - 1:45pm	15-week
3187 CIS101-8	M,W	12:30pm - 1:45pm	15-week
3188 CIS101-9	M,W	2pm - 3:15pm	15-week
4436 CIS101-10	M,W	3:30pm - 4:45pm	15-week
3189 CIS101-11	Tu,Th	8am - 9:15am	15-week
3190 CIS101-12	Tu,Th	9:30am - 10:45am	15-week
3191 CIS101-13	Tu,Th	9:30am - 10:45am	15-week
3192 CIS101-14	Tu,Th	11am - 12:15pm	15-week
3193 CIS101-15	Tu,Th	11am - 12:15pm	15-week
3194 CIS101-16	Tu,Th	12:30pm - 1:45pm	15-week
4437 CIS101-17	Tu,Th	12:30pm - 1:45pm	15-week
3195 CIS101-18	Tu,Th	2pm - 3:15pm	15-week
3196 CIS101-19	M	6pm - 8:30pm	15-week
3197 CIS101-20	W	5pm - 7:30pm	15-week
4438 CIS101-HYB1	Tu,Th	2pm - 3:15pm	10-week
3198 CIS101-HYB2	F	12:30pm - 2pm	13-week
4435 CIS101-HYB3	Tu	5pm - 7:35pm	15-week
3199 CIS101-HYB4	Tu	7:45pm - 9:15pm	10-week
4434 CIS101-HYB5	Th	5pm - 6:30pm	13-week
3200 CIS101-HYB6	Th	6:45pm - 8:45pm	10-week
3201 CIS101-ONL1	📖	ONLINE	15-week
3202 CIS101-ONL2	📖	ONLINE	15-week
3203 CIS101-ONL3	📖	ONLINE	13-week
3204 CIS101-ONL4	📖	ONLINE	10-week
3205 CIS101-ONL5	📖	ONLINE	2nd 7-week

### CIS106 - Object Design and Programming (3)

GE—Computer Literacy

*Prerequisites: [(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 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.

3206 CIS106-1	M,W	9:30am - 10:45am	15-week
3207 CIS106-2	M,W	11am - 12:15pm	15-week
3208 CIS106-3	M,W	12:30pm - 1:45pm	15-week
3209 CIS106-4	M,W	2pm - 3:15pm	15-week
4013 CIS106-5	Tu,Th	9:30am - 10:45am	15-week
4439 CIS106-6	Tu,Th	11am - 12:15pm	15-week
3210 CIS106-7	Tu,Th	12:30pm - 1:45pm	15-week
3211 CIS106-8	Tu,Th	2pm - 3:15pm	15-week
4222 CIS106-HYB1	M	5pm - 6:45pm	15-week
4441 CIS106-HYB2	Tu	5pm - 6:30pm	13-week
4440 CIS106-HYB3	Tu	6:45pm - 9pm	10-week
3213 CIS106-HYB4	W	6:45pm - 8:30pm	15-week
3212 CIS106-HYB5	Th	5pm - 6:30pm	13-week
4442 CIS106-ONL1	📖	ONLINE	13-week

### CIS111B - Microcomputer Software Applications: Database (3)

*Prerequisite or Corequisite:* CIS 101 or CIS 106

Covers the basic and advanced features of a commercial database software package. Students plan, define and use a database; perform queries; produce reports and forms; work with multiple files; and learn the basic concepts of database programming.

**3214 CIS111B-HYB1**    **W**                    **12:30pm - 2pm**                    **10-week**

### CIS111E - Microcomputer Software Applications: Spreadsheets (3)

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

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

**4534 CIS111E-HYB1**    **Tu,Th**                    **12:30pm - 1:45pm**                    **10-week**

**3215 CIS111E-HYB2**    **W**                        **7:45pm - 9pm**                        **10-week**

**3217 CIS111E-ONL1**                        **ONLINE**                        **13-week**

### CIS111J - 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.

**4443 CIS111J-HYB1**    **W**                        **7:15pm - 9:15pm**                    **10-week**

### CIS111K - Microcomputer Software Applications: Practical Structured Cabling (3)

Provides students with the fundamental skills to work with structured cabling systems that make up data and voice systems. This course will cover copper and fiber-optic cable types, installation, testing, and troubleshooting. Students will also learn about OSHA safety standards, applicable building codes, and industry standards. An overview of accrediting associations (e.g., BICSI, ETA) will be included.

**4444 CIS111K-HYB1**    **Th**                        **8pm - 9:15pm**                        **15-week**

### CIS111L - UNIX/Linux Operating System (3)

*Prerequisite:* CIS 101 or CIS 106

Explores the practical use and operation of an open-source operating system (Linux/Unix). Students will learn how to use basic Unix commands, shell scripting, and various system utilities.

**3218 CIS111L-HYB1**    **W**                        **5pm - 6:15pm**                        **15-week**

**4445 CIS111L-ONL1**                        **ONLINE**                        **10-week**

### CIS111M - PC Operating Systems (3)

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

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

**3219 CIS111M-HY1L**    **M**                        **2:30pm - 3:45pm**                    **15-week**

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

**3220 CIS111M-HY2L**    **Tu**                        **5pm - 6:15pm**                        **15-week**


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

**4446 CIS111M-HY3L**    **W**                        **5pm - 6:15pm**                        **15-week**

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

**4014 CIS111M-HY4L**    **Th**                        **3:15pm - 4:30pm**                    **15-week**

*Note: Students must register for both CIS111M-HY4L and CIS212-HY4L.*

**3222 CIS111M-ONLK**                        **ONLINE**                        **2nd 7-week**

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


### CIS111R - Business Software Applications (3)

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

**3223 CIS111R-ONL1**                        **ONLINE**                        **10-week**

### CIS116E - MS Applications Spreadsheets (1)


Covers the basic and intermediate features of MS Excel 2013. Students design a variety of worksheets and graphs, create formulas, work with a spreadsheet's database feature, apply 'what if' techniques, and exchange data with other applications.

**3224 CIS116E-ONL1**                        **ONLINE**                        **3rd 5-week**

### CIS116F - Microcomputer Software Applications: Computer Fundamentals (1)

Surveys computer basics including hardware, applications, operating systems, and communication networks. Students learn the components of hardware, applications of software in work place, variety of operating systems, and the basics of communication networks.

**4125 CIS116F-HYB1**    **Tu**                        **2pm - 3:15pm**                        **1st 5-week**

**4126 CIS116F-ONL1**                        **ONLINE**                        **3rd 5-week**

### CIS140 - Java Programming (3)

*Prerequisite:* CIS 106

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

**3225 CIS140-HYB1**    **Th**                        **6:45pm - 9pm**                        **13-week**


### CIS170 - Security Fundamentals (3)

*Prerequisite or Corequisite:* CIS 180 or CIS 190

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

**3226 CIS170-HYB1**    **W**                        **9:30am - 11:45am**                    **2nd 7-week**


**3227 CIS170-HYB2**    **Tu**                        **6:45pm - 9pm**                        **2nd 7-week**

**4447 CIS170-ONL1**                        **ONLINE**                        **2nd 7-week**

### CIS173 - Healthcare Information Technology (3)

*Prerequisite or Corequisite:* CIS 101 or CIS 106

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

**3228 CIS173-ONL1**                        **ONLINE**                        **2nd 7-week**

### CIS175 - Game Theory and Design (3)

*Prerequisites:* (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.

**4104 CIS175-HYB1**    **Th**                        **6pm - 8:30pm**                        **1st 7-week**

### CIS176 - Game Creation (3)

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

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

**4105 CIS176-HYB1**    **Th**                        **6pm - 8:30pm**                        **2nd 7-week**

### CIS177 - Interactive 3D Technology (3)

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

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

**4538 CIS177-HYB1**    **M**                        **5pm - 7:30pm**                        **1st 7-week**

### CIS178 - 3D Modeling and Animation (3)

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

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

**4539 CIS178-HYB1**    **M**                        **5pm - 7:30pm**                        **2nd 7-week**

### CIS179 - Cybersecurity Fundamentals (3)

*Prerequisite or Corequisite:* CIS 106

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

3229	CIS179-HYB1	M	12:30pm - 2pm	10-week
3230	CIS179-HYB2	M	7pm - 8:30pm	13-week
4208	CIS179-ONL1	📖	ONLINE	10-week

### CIS180 - Networking Fundamentals (3)

*Prerequisite:* CIS 106 or CIS 111M

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

3231	CIS180-HYB1	W	9:30am - 11:45am	1st 7-week
3232	CIS180-HYB2	Tu	6:45pm - 9pm	1st 7-week
4015	CIS180-ONL1	📖	ONLINE	1st 7-week

### CIS190 - Cisco 1 Network Fundamentals (3)

*Prerequisite or Corequisite:* CIS 106 or CIS 212

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

3233	CIS190-HYB1	M	5pm - 7:30pm	1st 7-week
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### CIS191 - Cisco 2 Routing Technologies (3)

*Prerequisite or Corequisite:* CIS 190

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

3234	CIS191-HYB1	M	5pm - 7:30pm	2nd 7-week
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### CIS192 - Cisco 3 Switching Technologies (3)

*Prerequisite or Corequisite:* CIS 191

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

3235	CIS192-ONL1	📖	ONLINE	1st 7-week
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### CIS193 - Cisco 4 WAN Technologies (3)

*Prerequisite or Corequisite:* CIS 192

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

3236	CIS193-ONL1	📖	ONLINE	2nd 7-week
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### CIS201 - 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.

3237	CIS201-HYB1	Tu,Th	11am - 12:15pm	15-week
3238	CIS201-HYB2	Tu	5pm - 7pm	13-week

### CIS202 - Computer Science II (4)

*Prerequisite:* Minimum grade of C in CIS 201

Emphasizes algorithms, data structures, and object-oriented software engineering. Introduces algorithmic analysis including asymptotic notation, empirical performance measurements, and time/space trade offs. 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).

3239	CIS202-HYB1	M	7pm - 9:15pm	15-week
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### CIS203 - Systems Analysis & Design (3)

*Prerequisite:* CIS 106

Presents concepts of structured systems analysis and design techniques such as problem definition, cost analysis, charting and scheduling, implementation planning and documentation. Emphasizes project management, communication and analytical skills.

3240	CIS203-HYB1	W	2pm - 3:15pm	15-week
3241	CIS203-ONL1	📖	ONLINE	10-week

### CIS204 - Computer & Information Sciences Project (3)

*Prerequisite:* CIS 203

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

3242	CIS204-ONL1	📖	ONLINE	10-week
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### CIS208 - C++ Programming (3)

*Prerequisite:* CIS 106

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

4016	CIS208-HYB1	Th	5pm - 8pm	10-week
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### CIS210 - Data Communications and Networking (3)

*Prerequisite or Corequisite:* CIS 101 or CIS 106 or CIS 111M or CIS 116F

Introduces Local Area Network (LAN) design and management. Emphasizes practical design considerations and hands-on management. Specific design topics include standards, topologies, interconnectivity, comparative implementations, security and electronic messaging. Management topics include installation, resource and user management and software/programming considerations.

4017	CIS210-HYB1	M	6pm - 8:30pm	1st 7-week
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### CIS212 - PC Repair & Diagnostics (3)

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

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

3243	CIS212-HY1L	M	3:45pm - 5pm	15-week
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*Note: Students must register for both CIS212-HY1L and CIS111M-HY1L.*

3244	CIS212-HY2L	Tu	6:15pm - 7:30pm	15-week
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*Note: Students must register for both CIS212-HY2L and CIS111M-HY2L.*

4458	CIS212-HY3L	W	6:15pm - 7:30pm	15-week
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*Note: Students must register for both CIS212-HY3L and CIS111M-HY3L.*

4018	CIS212-HY4L	Th	4:30pm - 5:45pm	15-week
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*Note: Students must register for both CIS212-HY4L and CIS111M-HY4L.*

3246	CIS212-ONL1	📖	ONLINE	1st 7-week
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*Note: Students must register for both CIS212-ONL1 and CIS111M-ONL1.*

### CIS217 - Cybercrime and Digital Forensics Investigation (3)

*Prerequisite:* CIS 111L or CIS 111M

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

3247	CIS217-HYB1	M	5pm - 6:30pm	15-week
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3248	CIS217-ONL1	📖	ONLINE	10-week
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### CIS218 - Information Security & Assurance (3)

*Prerequisite or Corequisite:* CIS 106

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


3249	CIS218-HYB1	M	6:45pm - 8:15pm	15-week
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4020	CIS218-ONL1	📖	ONLINE	10-week
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## CIS219 - Ethical Hacking and Systems Defense (3)

*Prerequisite:* CIS 106

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

<b>3250 CIS219-HYB1</b>	<b>W</b>	<b>6:30pm - 7:45pm</b>	<b>15-week</b>
<b>4459 CIS219-ONL1</b>		<b>ONLINE</b>	<b>10-week</b>

## CIS222 - Computer Organization (4)

*Prerequisite:* CIS 106


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

<b>3252 CIS222-HYB1</b>	<b>Tu</b>	<b>7:15pm - 8:30pm</b>	<b>13-week</b>
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## CIS223 - Cloud Security (3)

*Prerequisite or Corequisite:* CIS 180 or CIS 190

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

<b>3253 CIS223-HYB1</b>	<b>W</b>	<b>8pm - 9:15pm</b>	<b>15-week</b>
<b>4021 CIS223-ONL1</b>		<b>ONLINE</b>	<b>10-week</b>

## CIS224 - Wireless Communications (3)

*Prerequisite or Corequisite:* CIS 180 or CIS 190 or CIS 210

Provides comprehensive coverage of wireless communication technology. Surveys characteristics, infrastructures, transmission methods, standards, and protocols of wireless communication systems. Topics include frequency spectrum, wireless network technology, cellular wireless networks, mobile applications, and mobile Internet protocol (MIP).

<b>4460 CIS224-HYB1</b>	<b>M</b>	<b>6pm - 8:30pm</b>	<b>2nd 7-week</b>
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## CIS226 - Game Scripting (3)

*Prerequisite or Corequisite:* CIS 106

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

<b>3254 CIS226-HYB1</b>	<b>W</b>	<b>5pm - 6:30pm</b>	<b>13-week</b>
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## CIS227 - Game Programming (4)

*Prerequisite:* CIS 106

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

<b>4461 CIS227-HYB1</b>	<b>W</b>	<b>6:45pm - 9pm</b>	<b>10-week</b>
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## CIS228 - Simulation and Game Development (4)

*Prerequisite:* CIS 106

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

<b>4462 CIS228-HYB1</b>	<b>Tu</b>	<b>5pm - 7pm</b>	<b>13-week</b>
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## CIS230 - Database Management Systems (3)

*Prerequisite:* CIS 106

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


<b>4022 CIS230-HYB1</b>	<b>W</b>	<b>5pm - 7pm</b>	<b>10-week</b>
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## CJ: Criminal Justice

### CJ101 - Introduction to Criminal Justice (3)

*Prerequisite:* 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.

<b>3435 CJ101-1</b>	<b>M,W</b>	<b>11am - 12:15pm</b>	<b>15-week</b>
<b>3436 CJ101-ONL1</b>		<b>ONLINE</b>	<b>13-week</b>

### CJ108 - Serial Killers: Psychosocial Perspectives (3)

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

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

<b>3437 CJ108-1</b>	<b>Tu</b>	<b>6pm - 8:35pm</b>	<b>15-week</b>
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### CJ110 - Criminal Law (3)

*Prerequisite:* EN 101

Explores the history and purpose of criminal law. Also examines elements of substantive criminal common law as modified by statute. Introduces legal research and a case study review of appellate court decisions relative to selected aspects of criminal law.

<b>3439 CJ110-1</b>	<b>Tu,Th</b>	<b>9:30am - 10:45am</b>	<b>15-week</b>
<b>3438 CJ110-2</b>	<b>M</b>	<b>6pm - 8:35pm</b>	<b>15-week</b>

### CJ204 - Police Operational Services (3)

*Prerequisites:* CJ 101, CJ 110

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

<b>4127 CJ204-1</b>	<b>M</b>	<b>6pm - 8:30pm</b>	<b>15-week</b>
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### CJ214 - The Correctional Process (3)

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

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

<b>3440 CJ214-1</b>	<b>M,W</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### CJ220 - Criminal Evidence & Procedure (3)

*Prerequisite:* CJ 110

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

<b>4128 CJ220-1</b>	<b>W</b>	<b>6pm - 8:30pm</b>	<b>15-week</b>
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## CMM: Communications Media

### CMM101 - Introduction to Electronic Media (3)

GE—Arts

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



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.

<b>3813 CMM101-1</b>	<b>M,W</b>	<b>8am - 9:15am</b>	<b>15-week</b>
<b>3814 CMM101-2</b>	<b>M,W</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
<b>3815 CMM101-ONL1</b>		<b>ONLINE</b>	<b>15-week</b>
<b>3816 CMM101-ONL2</b>		<b>ONLINE</b>	<b>2nd 8-week</b>

### CMM103 - Introduction to Film (3)

GE—Arts

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

<b>3817 CMM103-1</b>	<b>M</b>	<b>1pm - 3:30pm</b>	<b>15-week</b>
<b>3818 CMM103-2</b>	<b>Tu</b>	<b>6pm - 8:35pm</b>	<b>15-week</b>
<b>3819 CMM103-3</b>	<b>Th</b>	<b>6pm - 8:35pm</b>	<b>15-week</b>
<b>3820 CMM103-ONL1</b>		<b>ONLINE</b>	<b>15-week</b>
<b>4173 CMM103-ONL2</b>		<b>ONLINE</b>	<b>2nd 8-week</b>



### CMM103H - Introduction to Film (3)

GE—Arts

**4263 CMM103H-LK1 Tu,Th 12:30pm - 1:45pm 15-week**

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

### CMM105 - Basic Darkroom to Digital Photography (3)

GE—Arts

*Prerequisites: EN 52 or ESL 99 or ESL 72.*

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

**3821 CMM105-1 Tu 9:30am - 12pm 15-week**

**3822 CMM105-2 Tu 12:30pm - 3pm 15-week**

**3823 CMM105-3 W 3:30pm - 6pm 15-week**

**4375 CMM105-4 Th 12:30pm - 3pm 15-week**

*Note: Students must furnish own supplies.*

### CMM111 - Communications Graphics I (3)

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

**3824 CMM111-1 M,W 9:30am - 10:45am 15-week**

**3825 CMM111-2 Tu,Th 9:30am - 10:45am 15-week**

**3826 CMM111-3 Tu,Th 2pm - 3:15pm 15-week**

### CMM112 - Communications Graphics II (3)

*Prerequisite: CMM 111*

Level two graphic design. Expands on Communications Graphics I. Students will solve a variety of design problems using the computer and contemporary graphics software. Real world design assignments will be given, allowing the student to gain experience in dealing with clients, meetings, project management, cost effectiveness, and color printing prepress. Lectures, demonstrations and class critiques are held to give the student a look at the historical and functional use of design. Emphasizes intermediate design skills using Adobe InDesign, Illustrator, Acrobat, Bridge, and Photoshop.

**4134 CMM112-1 M,W 11am - 1:50pm 1st 8-week**

### CMM114 - Web Design I (3)

*Prerequisite: CMM 111 or CMM 132*

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

**4563 CMM114-1 Th 11am - 1:30pm 15-week**

**3827 CMM114-2 Sat 1pm - 4:40pm 2nd 8-week**

### CMM115 - Professional and Transfer Portfolio (1)

*Prerequisite: CMM 112 or CMM 212*

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

**3828 CMM115-1 Tu 11am - 1:30pm 3rd 5-week**

*Note: held in F108*

### CMM131 - Darkroom Photography I (4)

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

**4027 CMM131-1LB M 9:30am - 12pm 15-week**

**4026 CMM131-1LC W 9:30am - 12pm 15-week**

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

### CMM132 - Digital Photography I (3)

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

**3829 CMM132-1 Tu,Th 3:30pm - 4:45pm 15-week**

**3830 CMM132-2 F,Sat 10am - 12:50pm 2nd 8-week**

### CMM152 - Digital Studio Production (4)

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

**3831 CMM152-1C M,W 9am - 10:40am 15-week**

**3832 CMM152-2C M,W 1pm - 2:40pm 15-week**

**3833 CMM152-3C Tu,Th 9am - 10:40am 15-week**

### CMM212 - Communications Graphics III (3)

*Prerequisite: CMM 112*

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

**4135 CMM212-1 M,W 11am - 1:50pm 2nd 7-week**

### CMM252 - Digital Film Production (4)

*Prerequisite: CMM 152*

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

**3834 CMM252-1C M,W 9am - 10:40am 15-week**

**3835 CMM252-2C M,W 1pm - 2:40pm 15-week**

**3836 CMM252-3C Tu,Th 9am - 10:40am 15-week**

### CMM254 - Principles of Film and Video Editing (4)

*Prerequisite: CMM 152 or CMM 252*

Develops practical skills in digital editing through a series of demonstrations and intensive hands-on exercises. Students study various editing styles and philosophies while designing and completing assigned editing projects using Final Cut Pro software. Effective media management and post-production processes are emphasized.

**3837 CMM254-1C Tu,Th 1pm - 2:40pm 15-week**

### CMM256 - Television Studio Directing and Operations (4)

*Prerequisite: CMM 152*

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

**3838 CMM256-1 Tu,Th 3pm - 4:40pm 15-week**

### CMM261 - Digital Post Production (4)

*Prerequisite: CMM 254*

Students will develop advanced skills in digital post-production through a series of demonstrations and intensive hands-on exercises. By studying various editing styles and philosophies, students will design and complete assigned post-production projects using Final Cut Pro, After Effects, Photoshop and other professional software packages.

**3840 CMM261-1C Tu,Th 1pm - 2:40pm 15-week**

## CMSP: Communications Speech

### CMSP101 - Introduction to Communication Studies (3)

GE—Communications

*Prerequisite:* [(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 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.

4133 CMSP101-1	M,W	2pm - 3:15pm	15-week
3841 CMSP101-2	Tu,Th	9:30am - 10:45am	15-week
4556 CMSP101-3	M	5pm - 7:35pm	15-week

### CMSP103 - Speech Fundamentals (3)

GE—Communications

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

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.

3842 CMSP103-1	M,W	8am - 9:15am	15-week
3843 CMSP103-2	M,W	9:30am - 10:45am	15-week
3844 CMSP103-3	M,W	12:30pm - 1:45pm	15-week
3845 CMSP103-4	Tu,Th	8am - 9:15am	15-week
3846 CMSP103-5	Tu,Th	9:30am - 10:45am	15-week
3847 CMSP103-6	Tu,Th	11am - 12:15pm	15-week
3848 CMSP103-7	Tu,Th	12:30pm - 1:45pm	15-week
3849 CMSP103-8	Tu,Th	2pm - 3:15pm	15-week
4384 CMSP103-9	Tu	6pm - 8:35pm	15-week
3850 CMSP103-10	W	5pm - 7:35pm	15-week
3851 CMSP103-ONL1	📖	ONLINE	15-week

*Note: Mandatory on-campus class meetings: Wednesday, 2/8, 3/8, 4/5, and 5/3, 6-8pm*

### CMSP105 - Small Group Communication (3)

GE—Communications; Cultural Competence

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

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.

3852 CMSP105-1	M,W	9:30am - 10:45am	15-week
3853 CMSP105-2	M,W	11am - 12:15pm	15-week
3854 CMSP105-3	M,W	12:30pm - 1:45pm	15-week
3855 CMSP105-4	M,W	2pm - 3:15pm	15-week
3856 CMSP105-5	Tu,Th	9:30am - 10:45am	15-week
3857 CMSP105-6	Tu,Th	11am - 12:15pm	15-week
3858 CMSP105-7	Tu,Th	12:30pm - 2pm	13-week
3860 CMSP105-8	Tu,Th	12:30pm - 2:55pm	2nd 8-week
3859 CMSP105-9	Tu,Th	2pm - 3:15pm	15-week
3862 CMSP105-10	F	11am - 1:35pm	15-week
3864 CMSP105-11	M	5pm - 7:35pm	15-week
3865 CMSP105-12	Tu	5pm - 8pm	13-week
3998 CMSP105-13	Th	5pm - 7:35pm	15-week

### CMSP107 - Career Communication (3)

GE—Communications

*Prerequisite:* EN 50A or EN 61 or ESL 95 or ESL 73

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.

3867 CMSP107-1	M,W	9:30am - 10:45am	15-week
3868 CMSP107-2	M	6pm - 8:35pm	15-week
3869 CMSP107-ONL1	📖	ONLINE	15-week

*Note: Mandatory on-campus session: Saturday, 4/8, 8:30am-12:30pm  
Inclement weather makeup day: Saturday, 4/15, 8:30am-12:30pm*

### CMSP109 - Basic Conflict Mediation (3)

GE—Communications

*Prerequisites:* [(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.

4566 CMSP109-1	M,W	1pm - 4pm	1st 7-week
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### CMSP201 - Foundations of Communication Theory (3)

*Prerequisite:* CMSP 101

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

3870 CMSP201-1	M,W	11am - 12:15pm	15-week
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## CON: Construction Management

### CON101 - Introduction to Construction Management (3)

*Prerequisite:* EN 52 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.

3255 CON101-ONL1	📖	ONLINE	15-week
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### CON133 - Materials and Methods of Construction II (3)

*Prerequisite:* CON 132

Provides the construction manager with a fundamental understanding of construction materials and methods of construction. Emphasis of the course is on properties of materials, engineering methods, construction methods, testing methods, and related building codes. Part two of two courses, this course focuses on wood construction, steel construction, exterior and interior finishes, glazing, windows, doors, exterior wall systems, cladding, interior walls/partitions, finish ceilings, and flooring.

3256 CON133-1	Tu	5pm - 7:35pm	15-week
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### CON140 - Architectural Blueprint Reading (3)

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

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.

3257 CON140-1	W	5pm - 7:35pm	15-week
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### CON206 - 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.

3258 CON206-1	Tu	5pm - 7:35pm	15-week
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## EC: Economics

### EC201 - Principles of Economics (3)

GE—Economics

*Prerequisite:* 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.

3259 EC201-1	M,W	8am - 9:15am	15-week
4432 EC201-2	M,W	11am - 12:30pm	15-week
3260 EC201-3	Tu,Th	9:30am - 10:45am	15-week
3261 EC201-4	Tu,Th	12:30pm - 1:45pm	15-week
3263 EC201-HYB1	Sat	9am - 11:35am	1st 7-week Saturday
3264 EC201-HYB2	M	5pm - 7:35pm	2nd 7-week
3262 EC201-HYB3	W	5pm - 7:35pm	1st 7-week
3265 EC201-ONL1	📖	ONLINE	15-week
4023 EC201-ONL2	📖	ONLINE	1st 7-week

## EC202 - Principles of Economics (3)

GE—Economics

Prerequisite: EC 201

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

3266 EC202-1C	M,W	2pm - 3:15pm	15-week
3267 EC202-2	Tu,Th	8am - 9:15am	15-week
3268 EC202-3	Tu,Th	2pm - 3:15pm	15-week
3270 EC202-HYB1	Sat	9am - 11:35am	2nd 7-week Saturday
3269 EC202-HYB2	W	5pm - 7:35pm	2nd 7-week
3271 EC202-ONL1	📖	ONLINE	15-week

## EC202H - Principles of Economics (3)

GE—Economics

Prerequisite: EC 201

3272 EC202H-1C	M,W	2pm - 3:15pm	15-week
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## ECD: Early Childhood Development

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### ECD101 - Introduction to Early Childhood Education (3)

Prerequisites: [(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.

3441 ECD101-1	Tu,Th	9:30am - 10:45am	15-week
3442 ECD101-ONL1	📖	ONLINE	15-week

### ECD104 - Activities I for Children (3)

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

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

4238 ECD104-1	M,W	12:30pm - 1:45pm	15-week
3443 ECD104-HYB1	M	6pm - 8:30pm	2nd 7-week

### ECD106 - Infants & Toddlers Development and Care (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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.

3444 ECD106-HYB1	W	7:45pm - 9pm	15-week
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### ECD107 - Child Health, Safety and Nutrition (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

4035 ECD107-ONL1	📖	ONLINE	15-week
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### ECD210 - Directed Practicum in Early Childhood (3)

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

Offers students an opportunity to conduct structured observation and participate in activities in an early childhood setting. Students will provide assistance to the classroom instructor and may be required to assume major responsibility for the full range of teaching and care giving duties for a group of young children. In addition, students will complete a course portfolio. Students will participate in 60 hours of directed practicum at an assigned site (4 hours per week).

3445 ECD210-1	Tu	9am - 1pm	15-week
4038 ECD210-2	Th	9am - 1pm	15-week

## ECD212 - Administration of Child Development Centers (3)

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

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

3446 ECD212-HYB1	Sat	9am - 1:15pm	2nd 7-week Saturday
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## ECD213 - Understanding and Guiding the Young Child's Behavior (3)

Prerequisite: ED 100

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

3447 ECD213-HYB1	Sat	9am - 1:15pm	1st 7-week Saturday
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## ECD230 - Language & Literacy Development in Early Childhood (3)

Prerequisites: ED 100, ECD 104

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

4036 ECD230-ONL1	📖	ONLINE	1st 8-week
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## ED/PS: Education/Psychology

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### ED/PS208 - Human Growth and Development (3)

GE—Education

Prerequisites: [(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.

3458 ED/PS208-1	M,W	8am - 9:15am	15-week
3459 ED/PS208-2	M,W	9:30am - 10:45am	15-week
3460 ED/PS208-3	M,W	11am - 12:15pm	15-week
4039 ED/PS208-4	Tu,Th	9:30am - 10:45am	15-week
3461 ED/PS208-5	Tu,Th	11am - 12:15pm	15-week
3462 ED/PS208-6	Tu,Th	2pm - 3:15pm	15-week
3463 ED/PS208-7	M	6pm - 8:35pm	15-week
3464 ED/PS208-ONL1	📖	ONLINE	15-week
3466 ED/PS208-ONL2	📖	ONLINE	2nd 8-week

## ED: Education

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### ED100 - Child Development & Behavior (3)

Prerequisite: 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.

3448 ED100-1	M,W	11am - 12:15pm	15-week
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### ED102 - Schools and Society (3)

GE—Education

Prerequisites: [(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.

3449 ED102-1	M,W	9:30am - 10:45am	15-week
3450 ED102-2	Tu,Th	11am - 12:15pm	15-week
3451 ED102-ONL1	📖	ONLINE	15-week

## ED202 - Educational Psychology (3)

Prerequisites: 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.

3452	ED202-1C	M,W	11am - 12:15pm	15-week
3453	ED202-ONL1	📖	ONLINE	15-week

## ED202H - Educational Psychology (3)

Prerequisites: 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.

4103	ED202H-1C	M,W	11am - 12:15pm	15-week
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## ED203 - Foundations of Special Education (3)

GE—Cultural Competence

Prerequisites: [(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.

3454	ED203-1	Tu,Th	9:30am - 10:45am	15-week
3455	ED203-ONL1	📖	ONLINE	15-week

## ED214 - Processes and Acquisition of Reading (3)

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

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

3456	ED214-1	M,W	12:30pm - 1:45pm	15-week
3457	ED214-ONL1	📖	ONLINE	15-week

## EG: Drafting Technology & Engineering

### EG100 - 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.

3396	EG100-1	M	2pm - 4:35pm	15-week
3397	EG100-2	W	5pm - 7:35pm	15-week

### EG210 - Mechanics of Materials (3)

Prerequisites: MA 211, PY 203

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

3398	EG210-1	Tu,Th	9:30am - 10:45am	15-week
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### EG211 - Engineering Dynamics (3)

Corequisite: MA 212

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

3399	EG211-1	M	7:45pm - 10:20pm	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

### EM102 - Emergency Management Planning (3)

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

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

4352	EM102-1	W	5pm - 7:30pm	15-week
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### EM104 - Disaster Response and Recovery (3)

Prerequisites: [(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.

4353	EM104-ONL1	📖	ONLINE	15-week
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### EM106 - Mitigation and Hazard Management (3)

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

Provides the student with a thorough understanding of mitigation for disaster management, and the application of hazard management. The student will investigate various methods of risk management, risk reduction, risk avoidance, risk acceptance, and risk transfer to address both structural and non-structural mitigation. The concept of sustainability and its role in local land-use planning is examined.

4354	EM106-ONL1	📖	ONLINE	15-week
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### EM110 - Federal Emergency Management (3)

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

Provides the student with the understanding of the role of the federal government in emergency management on the national level, and the influence of the federal government on local, regional, state, and international emergency management. Explores the historical development of the federal emergency management effort with emphasis on significant events that shaped existing policy.

4355	EM110-ONL1	📖	ONLINE	15-week
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## EN/CMM: English & Communications

### EN/CMM218 - Journalism Publication Practicum (3)

GE—Humanities; GE—Communications

Prerequisite: EN 101

Provides instruction and laboratory experience in writing, editing, designing, and publishing print and digital content for 'The Commuter', Frederick Community College's Student Newspaper. 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 3 newspapers per semester.

4028	EN/CMM218-1	M,W	2pm - 3:15pm	15-week
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## EN: English

### EN51 - Effective College Reading I (0) [4]

Promotes the development of active reading approaches for use with a variety of materials. Stresses the development of background knowledge and its role in reader-text interaction. Upon satisfactory completion of EN 51, students will enroll in Effective College Reading II (EN 52). Placement based on the reading placement exam.

3646	EN51-1	M,W	9am - 10:45am	15-week
3647	EN51-2	Tu,Th	12:30pm - 2:15pm	15-week
3648	EN51-3	Tu	5pm - 8:45pm	15-week

## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



## EN52 - Effective College Reading II (0) [4]

*Prerequisite: EN 51 or appropriate score on reading placement exam*

Promotes the development of active reading strategies for the tasks and texts students encounter in college. Stresses the interaction among the reader, the text and the context as applied to a variety of disciplines. Guides students to become independent readers who process information to enhance learning. Placement based on the reading placement exam.

3649 EN52-1	M,W	9am - 10:45am	15-week
4520 EN52-2	M,W	10am - 11:45am	15-week
3650 EN52-3	M,W	11am - 12:45pm	15-week
3651 EN52-4	M,W	1pm - 2:45pm	15-week
3653 EN52-5	Tu,Th	9am - 10:45am	15-week
3654 EN52-6	Tu,Th	11am - 1pm	13-week
3657 EN52-7	Tu,Th	1pm - 2:45pm	15-week
3656 EN52-8	Th	5pm - 8:45pm	15-week

## EN60 - Writing Skills II Part 1 (0) [2]

*Prerequisite: EN 50 and EN 51 or placement based on the reading and writing placement exams*

The first of a two-part sequence that develops writing skills in preparation for EN 61 and EN 101.

Emphasizes writing well-organized paragraphs and essays. Includes review of grammar and punctuation and development of proofreading and editing skills.

4332 EN60-1	M,W	12pm - 1:45pm	2nd 7-week
3659 EN60-LK1	M,W	9am - 10:45am	1st 7-week
<i>Note: Students must register for EN60-LK1 and EN61-LK1 together.</i>			
4335 EN60-LK2	M,W	10am - 11:45am	1st 7-week
<i>Note: Students must register for EN60-LK2 and EN61-LK2 together.</i>			
3660 EN60-LK3	M,W	11am - 12:45pm	1st 7-week
<i>Note: Students must register for EN60-LK3 and EN61-LK3 together.</i>			
3661 EN60-LK4	M,W	1pm - 2:45pm	1st 7-week
<i>Note: Students must register for EN60-LK4 and EN61-LK4 together.</i>			
3662 EN60-LK5	Tu,Th	9am - 10:45am	1st 7-week
<i>Note: Students must register for EN60-LK5 and EN61-LK5 together.</i>			
3663 EN60-LK6	Tu,Th	11am - 12:45pm	1st 7-week
<i>Note: Students must register for EN60-LK6 and EN61-LK6 together.</i>			
3658 EN60-LK7	Tu,Th	12pm - 1:45pm	1st 7-week
<i>Note: Students must register for EN60-LK7 and EN61-LK7 together.</i>			
3664 EN60-LK8	M	5:30pm - 9pm	1st 7-week
<i>Note: Students must register for EN60-LK8 and EN61-LK8 together.</i>			

## EN61 - Writing Skills II Part 2 (0) [2]

*Prerequisite: EN 60 or results of writing placement exam*

The second of a two-part sequence that develops writing skills in preparation for EN 101. Emphasizes writing well-organized essays. Includes review of grammar and punctuation and development of proofreading and editing skills.

3665 EN61-1	M,W	12pm - 1:45pm	1st 7-week
3666 EN61-2	Tu,Th	10am - 11:45am	1st 7-week
3668 EN61-LK1	M,W	9am - 10:45am	2nd 7-week
<i>Note: Students must register for EN61-LK1 and EN60-LK1 together.</i>			
4339 EN61-LK2	M,W	10am - 11:45am	2nd 7-week
<i>Note: Students must register for EN61-LK2 and EN60-LK2 together.</i>			
3669 EN61-LK3	M,W	11am - 12:45pm	2nd 7-week
<i>Note: Students must register for EN61-LK3 and EN60-LK3 together.</i>			
3670 EN61-LK4	M,W	1pm - 2:45pm	2nd 7-week
<i>Note: Students must register for EN61-LK4 and EN60-LK4 together.</i>			
3671 EN61-LK5	Tu,Th	9am - 10:45am	2nd 7-week
<i>Note: Students must register for EN61-LK5 and EN60-LK5 together.</i>			
3672 EN61-LK6	Tu,Th	11am - 12:45pm	2nd 7-week
<i>Note: Students must register for EN61-LK6 and EN60-LK6 together.</i>			
3667 EN61-LK7	Tu,Th	12pm - 1:45pm	2nd 7-week
<i>Note: Students must register for EN61-LK7 and EN60-LK7 together.</i>			
3673 EN61-LK8	M	5:30pm - 9pm	2nd 7-week
<i>Note: Students must register for EN61-LK8 and EN60-LK8 together.</i>			

## EN101 - English Composition (3)

GE-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.

3674 EN101-1	M,W	8am - 9:15am	15-week
3675 EN101-2	M,W	9:30am - 10:45am	15-week
3676 EN101-3	M,W	9:30am - 10:45am	15-week
3677 EN101-4	M,W	11am - 12:15pm	15-week
3678 EN101-5	M,W	11am - 12:15pm	15-week
3679 EN101-6	M,W	12:30pm - 1:45pm	15-week
3710 EN101-7	M,W	12:30pm - 1:45pm	15-week
3680 EN101-8	M,W	2pm - 3:15pm	15-week
3681 EN101-9	M,W	2pm - 3:15pm	15-week
3682 EN101-10	M,W	3:30pm - 4:45pm	15-week
3683 EN101-11	M,W	3:30pm - 5:45pm	2nd 8-week
3684 EN101-12	Tu,Th	8am - 9:15am	15-week
3685 EN101-13	Tu,Th	9:30am - 10:45am	15-week
3686 EN101-14	Tu,Th	9:30am - 10:45am	15-week
3687 EN101-15	Tu,Th	11am - 12:15pm	15-week
3688 EN101-16	Tu,Th	11am - 12:15pm	15-week
3689 EN101-17	Tu,Th	12:30pm - 1:45pm	15-week
3690 EN101-18	Tu,Th	2pm - 3:15pm	15-week
3691 EN101-19	Tu,Th	2pm - 3:15pm	15-week
3692 EN101-20	Tu,Th	3:30pm - 4:45pm	15-week
3693 EN101-21	F	9:30am - 12:15pm	15-week
3694 EN101-22	Sat	9am - 11:55am	14-week
3695 EN101-23	M	6pm - 8:35pm	15-week
3697 EN101-24	Tu	6pm - 8:35pm	15-week
3698 EN101-25	W	6pm - 8:35pm	15-week
3699 EN101-26	Th	6pm - 8:35pm	15-week
3700 EN101-ONL1		ONLINE	15-week
3701 EN101-ONL2		ONLINE	15-week
3702 EN101-ONL3		ONLINE	1st 8-week
3703 EN101-ONL4		ONLINE	2nd 8-week
3704 EN101-LK1	M,W	8am - 9:15am	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK1 and ACE100-LK1.</i>			
3705 EN101-LK2	M,W	10:30am - 11:45am	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK2 and ACE100-LK2.</i>			
3711 EN101-LK3	M,W	12:30pm - 1:45pm	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK3 and ACE100-LK3.</i>			
3706 EN101-LK4	Tu,Th	8am - 9:15am	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK4 and ACE100-LK4.</i>			
3707 EN101-LK5	Tu,Th	10:30am - 11:45am	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK5 and ACE100-LK5.</i>			
3708 EN101-LK6	Tu,Th	1pm - 2:15pm	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK6 and ACE100-LK6.</i>			
4521 EN101-LK7	F	9am - 11:35am	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK7 and ACE100-LK7.</i>			
3709 EN101-LK8	W	5pm - 7:35pm	15-week
<i>Note: This is an EN101 'S' class. Students must register for EN101-LK8 and ACE100-LK8.</i>			

## EN101H - English Composition (3)

GE-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)*

3719 EN101H-1	M,W	12:30pm - 1:45pm	15-week
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### EN102 - English Composition and Literature (3)

GE–Humanities; GE–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.

3720 EN102-1	M,W	8am - 9:15am	15-week
3725 EN102-2	M,W	9:30am - 10:45am	15-week
3721 EN102-3	M,W	9:30am - 10:45am	15-week
3722 EN102-4	M,W	11am - 12:15pm	15-week
3723 EN102-5	M,W	12:30pm - 1:45pm	15-week
3724 EN102-6	M,W	2pm - 3:15pm	15-week
3726 EN102-7	M,W	3:30pm - 5:45pm	2nd 8-week
3727 EN102-8	Tu,Th	9:30am - 10:45am	15-week
3728 EN102-9	Tu,Th	11am - 12:15pm	15-week
3729 EN102-10	Tu,Th	12:30pm - 1:45pm	15-week
3730 EN102-11	Tu,Th	2pm - 3:15pm	15-week
3731 EN102-12	Tu,Th	3:30pm - 4:45pm	15-week
3733 EN102-13	W	6pm - 8:35pm	15-week
3734 EN102-ONL1	📖	ONLINE	15-week
3735 EN102-ONL2	📖	ONLINE	15-week

### EN102H - English Composition and Literature (3)

GE–Humanities; GE–Communications

Prerequisite: EN 101

4233 EN102H-LK1	Tu,Th	11am - 12:15pm	15-week
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Note: Students must register for both EN102H-LK1 and CMM103H-LK1.

### EN115 - 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.

4564 EN115-ONL1	📖	ONLINE	15-week
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### EN202 - British Literature (3)

GE–Humanities

Prerequisite: EN 101

Surveys the literature of Great Britain from the eighteenth century through the present.

4506 EN202-1	Tu,Th	3:30pm - 4:45pm	15-week
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### EN204 - American Literature (3)

GE–Humanities

Prerequisite: EN 101

Surveys the literature of the United States from the Civil War period through the present.

3738 EN204-1	M,W	11am - 12:15pm	15-week
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### EN206 - World Literature (3)

GE–Humanities; Cultural Competence

Prerequisite: EN 101

Surveys major world writers from 1650 CE through the present.

4512 EN206-1	W	6pm - 8:35pm	15-week
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### EN210 - 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.

3739 EN210-1	Tu,Th	2pm - 3:15pm	15-week
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### EN212 - Journalism I (3)

Prerequisite: EN 101

Introduces principles of good reporting.

3740 EN212-1C	M,W	12:30pm - 1:45pm	15-week
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### EN212H - Journalism I (3)

Prerequisite: EN 101

3741 EN212H-1C	M,W	12:30pm - 1:45pm	15-week
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### EN216 - The Short Story (3)

GE–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.

3742 EN216-ONL1	📖	ONLINE	15-week
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### EN222 - Creative Writing Practicum: Tuscarora Review Editorial Board (3)

Prerequisite: EN 210 or instructor permission

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

4123 EN222-1	M,W	2pm - 3:15pm	15-week
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### EN223 - Classical Mythology (3)

GE–Humanities

Prerequisite: EN 101

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

3743 EN223-1	Tu	7:45pm - 10:20pm	15-week
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### EN230 - African American Literature (3)

GE–Humanities; Cultural Competence

Prerequisite: EN 101

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

3745 EN230-1	M,W	12:30pm - 1:45pm	15-week
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## ESL: ESL (English as a Second Language)

### ESL70 - Academic Reading I (0) [4]

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

Designed for students whose native language is not English, but who have a working knowledge of the English language. This course focuses on developing the strategies, vocabulary, and fluency necessary for comprehension of academic texts.

4089 ESL70-1	M,W	9:30am - 11:15am	15-week
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4275 ESL70-2	Tu,Th	6pm - 7:45pm	15-week
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Note: All ESL courses will require approval for Spring registration. Online registration will not be available for ESL courses.

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

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.

4090 ESL71-1	M,W	12:30pm - 2:15pm	15-week
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4277 ESL71-2	Sat	9am - 12:30pm	14-week
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4091 ESL71-3	M,W	5:30pm - 7:15pm	15-week
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## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1

## ESL72 - Academic Reading II (0) [4]

*Prerequisites:* (ESL 70 and ESL 71) or (ESL 98 and ESL 95) or placement on the college's ESL assessment (LOEP);  
*Corequisite:* ESL 73

Designed for students whose native language is not English, but who have advanced knowledge of the English language. This course focuses on developing proficiency in the employment of reading strategies and usage, and comprehension of college-level vocabulary necessary for success in credit courses. Placement is based upon students' performance on the college's ESL assessment.

4239	ESL72-1	Tu,Th	11am - 12:45pm	15-week
4269	ESL72-2	Tu,Th	5:15pm - 7pm	15-week

## ESL73 - Academic Grammar & Writing II (0) [4]

*Prerequisites:* (ESL 70 and ESL 71) or (ESL 98 and ESL 95) or placement on the college's ESL assessment (LOEP);  
*Corequisite:* ESL 72

Designed for students whose native language is not English, but who have advanced knowledge and understanding of the English language. Includes integrated instruction in grammar and writing with an emphasis on developing grammatical variety and sophistication for academic communication as well as an introduction to integrating sources in academic essay writing.

4271	ESL73-1	Tu,Th	9am - 10:45am	15-week
4273	ESL73-2	Sat	9am - 12:30pm	14-week
4272	ESL73-3	M,W	5:15pm - 7pm	15-week

## ESL76 - Academic Oral Communication Skills I (0) [3]

*Prerequisite:* Placement by the college's LOEP assessment into ESL Level 1 or higher

Designed to help students practice and improve academic listening and speaking skills as needed for functioning successfully in academic and professional settings. There will be exercises, practice, and small and large group activities designed to develop the academic listening/note-taking, pronunciation, and oral presentation skills necessary for the rigor of degree programs and/or professional communication. Credits are not applicable toward graduation. Placement is based upon students' performance on the college's ESL assessment.

4274	ESL76-1	M,W	3:30pm - 4:45pm	15-week
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## FSA: Fire Service Administration

### FSA105 - Risk Assessment, Reduction, and Safety (3)

*Prerequisite or Corequisite:* EN 101

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

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

4152	FSA105-1	M	7pm - 10pm	15-week
4153	FSA105-2	T	7pm - 10pm	15-week

### FSA107 - Disaster Planning and Response (3)

*Prerequisite or Corequisite:* EN 101

Examines concepts and principles of community planning and response to fire, emergency, and natural disasters, including the Incident Command System (ICS), mutual aid and automatic response, training and preparedness, communications, hazardous materials planning, and disaster recovery.

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

4154	FSA107-1	W	7pm - 10pm	15-week
4155	FSA107-2	Th	7pm - 10pm	15-week

### FSA203 - Principles of Fire Service Leadership (3)

*Prerequisite:* FSA 201

Provides the student with the knowledge and skills to understand different styles of leadership and apply their impact on behavior in a Fire Service context. Applying appropriate decision-making styles to given situations, outlining problem-solving methods, and identifying available resources are examined.

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

4465	FSA203-1	W	7pm - 10pm	15-week
4466	FSA203-2	Th	7pm - 10pm	15-week

## GG: Geography

### GG101 - Elements of Geography (3)

GE--Geography

*Prerequisite:* 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.

3467	GG101-1	M,W	9:30am - 10:45am	15-week
3468	GG101-ONL1	📖	ONLINE	15-week

### GG102 - Cultural Geography (3)

GE--Geography; Cultural Competence

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

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

3469	GG102-1	Tu,Th	11am - 12:15pm	15-week
3470	GG102-2	Tu	6pm - 8:35pm	15-week
3471	GG102-ONL1	📖	ONLINE	15-week

## HE: Health Education

### HE102 - Nutrition in a Changing World (3)

GE--Wellness

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

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

3567	HE102-1	M,W	9:30am - 10:45am	15-week
3568	HE102-2	M,W	2pm - 3:15pm	15-week
3569	HE102-3	Tu,Th	11am - 1:30pm	2nd 7-week
3570	HE102-4	Tu,Th	12:30pm - 1:45pm	15-week
3571	HE102-5	W	9:30am - 12pm	15-week
3572	HE102-6	Tu	6pm - 8:30pm	15-week
3573	HE102-ONL1	📖	ONLINE	15-week
3574	HE102-ONL2	📖	ONLINE	15-week
3575	HE102-ONL3	📖	ONLINE	1st 8-week
3576	HE102-ONL4	📖	ONLINE	2nd 8-week

### HE110 - Nutrition Basics (1)

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

3577	HE110-1	F	9:30am - 11:30am	1st 7-week
3579	HE110-ONL1	📖	ONLINE	2nd 7-week

### HE115 - Stress Management Techniques (1)

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

3580	HE115-1	F	9:30am - 11:30am	2nd 7-week
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### HE120 - CPR/AED and Basic First Aid (1)

*Prerequisites:* ((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).

4092	HE120-1	Tu,Th	9:30am - 10:45am	1st 7-week
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### HE130 - Tai Chi: A 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.

4235	HE130-1	M,W	9:30am - 11am	13-week
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### HE200 - Principles and Application of Nutrition (3)

*Prerequisites:* One semester of college biology either BI 100, BI 101, BI 103 or BI 107

Introduces the principles of nutrition for the maintenance of good health throughout the life-cycle. Applications of nutritional principles are presented via the connection between diet and the prevention and treatment of disease. Investigates the socioeconomic, ecological and political factors that shape national nutritional policy and ultimately affect personal health.



3581	HE200-1	Tu,Th	11am - 1:30pm	1st 8-week
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## HE201 - Stress Management (3)

GE—Wellness

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

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.

3582 HE201-1	M,W	12:30pm - 1:45pm	15-week
3583 HE201-2	Tu,Th	8am - 9:15am	15-week
3584 HE201-3	Tu,Th	2pm - 3:15pm	15-week
3585 HE201-4	W	9:30am - 12pm	15-week
3586 HE201-5	Tu	5pm - 7:35pm	15-week
3587 HE201-ONL1		ONLINE	15-week
3588 HE201-ONL2		ONLINE	15-week

## HE204 - Health Education (3)

GE—Wellness

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

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

3590 HE204-1	Tu,Th	9:30am - 10:45am	15-week
3591 HE204-2	Tu,Th	11am - 12:15pm	15-week
3592 HE204-3	W	1pm - 3:30pm	15-week
3589 HE204-HYB1	M	2pm - 3:30pm	15-week
3593 HE204-ONL1		ONLINE	15-week

## HI: History

### HI101 - History of Western Civilization (3)

GE—History

*Prerequisites:* [(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.

3474 HI101-1	Tu,Th	11am - 12:15pm	15-week
3475 HI101-2	Tu,Th	2pm - 3:15pm	15-week
3473 HI101-3	M	5pm - 7:35pm	15-week

### HI102 - History of Western Civilization (3)

GE—History

*Prerequisites:* [(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.

3476 HI102-1	M,W	9:30am - 10:45am	15-week
4567 HI102-2	M,W	2pm - 3:15pm	15-week
4523 HI102-3	Tu,Th	12:30pm - 1:45pm	15-week

### HI201 - History of the United States (3)

GE—History

*Prerequisites:* [(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.


3478 HI201-1	M,W	9:30am - 10:45am	15-week
3479 HI201-2	Tu,Th	8am - 9:15am	15-week
3480 HI201-3	Tu,Th	12:30pm - 1:45pm	15-week
4032 HI201-4	W	6pm - 8:35pm	15-week
3481 HI201-ONL1		ONLINE	15-week

### HI202 - History of the United States (3)

GE—History

*Prerequisites:* [(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.

3483 HI202-1	Tu,Th	11am - 12:15pm	15-week
3484 HI202-2	Tu	6pm - 9pm	13-week
4281 HI202-ONL1		ONLINE	15-week

### HI202H - History of the United States (3)

GE—History

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

4262 HI202H-1	Tu,Th	9:30am - 10:45am	15-week
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## HI213 - History of the South (3)

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

A history of the South from the Colonial period to the present. Examines the Golden Age of the Chesapeake, antebellum society, the institution of slavery, development of a regional identity, the War for Southern Independence, Reconstruction, readjustment of racial patterns and the rise of the New South and the Sun Belt.

4416 HI213-1	M	6pm - 8:30pm	15-week
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## HI214 - The Civil Rights Movement (3)

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

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

3485 HI214-1	M,W	12:30pm - 1:45pm	15-week
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## 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.

### BI104H - Anatomy and Physiology (4)

GE—Science

*Prerequisite:* BI 103

The second course in a two-semester sequence. Includes the cardiovascular system, lymphatic system and immunity, respiratory system, digestive system and metabolism, urinary system, fluid/electrolyte balance, acid/base balance, and reproductive system.

4255 BI104H-1LC	Tu,Th	12:30pm - 1:45pm	15-week
4256 BI104H-11LB	Th	9:30am - 12pm	15-week

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

### CMM103H - Introduction to Film (3)

GE—Arts

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

4263 CMM103H-LK1	Tu,Th	12:30pm - 1:45pm	15-week
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*Note: Students must register for both CMM103H-LK1 and EN102H-LK1.*

### EC202H - Principles of Economics (3)

GE—Economics

*Prerequisite:* EC 201

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

3272 EC202H-1C	M,W	2pm - 3:15pm	15-week
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*Note: CO LIST WITH 3332 IN ROOM H248*

### ED202H - Educational Psychology (3)

*Prerequisites:* 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.

4103 ED202H-1C	M,W	11am - 12:15pm	15-week
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### EN101H - English Composition (3)

GE—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.

3719 EN101H-1	M,W	12:30pm - 1:45pm	15-week
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## EN102H - English Composition and Literature (3)

GE—Humanities; GE—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.

**4233 EN102H-LK1 Tu,Th 11am - 12:15pm 15-week**

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

## EN212H - Journalism I (3)

Prerequisite: EN 101

Introduces principles of good reporting.

**3741 EN212H-1C M,W 12:30pm - 1:45pm 15-week**

## HI202H - History of the United States (3)

GE—History

Prerequisites: [(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.

**4262 HI202H-1 Tu,Th 9:30am - 10:45am 15-week**

## ID200H - Honors Seminar: Special Topics in Interdisciplinary Studies (3)

GE—Interdisciplinary

Prerequisites: EN 101, MA 92 or MA 82

Operates as an interdisciplinary seminar designed for honors students and open to other qualified students with permission of instructor. Topics vary from semester to semester but will synthesize work from at least two different academic content areas and focus on issues of importance to society.

**3503 ID200H-1 M,W 11am - 12:15pm 15-week**

## PS206H - Abnormal Psychology (3)

Prerequisite: PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

**4034 PS206H-3C W 6pm - 8:35pm 15-week**

## HOS: Hospitality Culinary Tourism

### HOS110 - Introduction to Hospitality Management (3)

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

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 food service 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.

**4093 HOS110-HYBM Tu 6pm - 8:30pm 1st 7-week**

Note: Class held at FCC's Monroe Center

### HOS111 - Culinary Fundamentals (1)

Prerequisite: EN 52 or ESL 99; Corequisite: HOS 112

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.

**4479 HOS111-1M W 1pm - 4pm 1st 5-week**

**4480 HOS111-2M Sat 9am - 12pm 1st 5-week**

Note: Class held at FCC's Monroe Center

### HOS112 - Culinary I (3)

Prerequisite: EN 52 or ESL 99 or ESL 72; Corequisites: (HOS 109 or HOS 111) and 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.

**4481 HOS112-1M W 9am - 4pm 10-week**

**4482 HOS112-2M Sat 9am - 4pm 10-week**

Note: Class held at FCC's Monroe Center

## HOS113 - Culinary II (3)

Prerequisites: HOS 112 and grade of C or better in HOS 121 or permission of academic program manager

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.

**4094 HOS113-1M M 9am - 2pm 15-week**

**4477 HOS113-2M M 5pm - 10pm 15-week**

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

## HOS114 - Culinary Baking (3)

Prerequisite: EN 52 or ESL 99 or ESL 72; Corequisite: 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.

**4095 HOS114-1M Tu 9am - 2pm 15-week**

**4478 HOS114-2M Tu 5pm - 10pm 15-week**

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

## HOS121 - Sanitation and Food Safety (2)

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.

**4096 HOS121-1M W 9am - 12pm 1st 5-week**

**4097 HOS121-2M Sat 1pm - 4pm 1st 5-week**

Note: Class held at FCC's Monroe Center

## HOS123 - Purchasing & Cost Control (3)

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

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.

**4099 HOS123-HYBM Tu 6pm - 8:40pm 2nd 7-week**

Note: Class held at FCC's Monroe Center

## HOS240 - International and American Regional Cuisine (4)

Prerequisite: HOS 113 or permission of program manager

Provides advanced training in the preparation of American regional cuisines paired with their international origin. Students will prepare recipes including meats, poultry, seafood, vegetables and desserts, as well as explore cuisine from a cultural, geographical, religious, and historical perspective. Emphasis is placed on flavor profiles and cooking techniques associated to regions and their international influence.

**4484 HOS240-1M Th 8:30am - 3:30pm 15-week**

Note: Class held at FCC's Monroe Center

## HOS250 - Culinary Production (4)

Prerequisite: HOS 210 or permission of program manager

Provides the capstone student experience in applying the knowledge and skills from culinary, nutrition, costing, service and management areas in an operational restaurant setting. Students rotate through the dining room and kitchen in this intensive course. Dining room students learn set-up and clean up, food and beverage service, proper etiquette, and writing and presenting guest checks. Kitchen rotation students learn a la carte preparation, cooking, and plating techniques.

**4485 HOS250-1M F 8:30am - 3:30pm 15-week**

Note: Class held at FCC's Monroe Center

## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1

## HS: Human Services

### HS102 - Human Relations (3)

GE—Human Services; Cultural Competence

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

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.

3486 HS102-1	M,W	9:30am - 10:45am	15-week
4524 HS102-2	M,W	11am - 12:15pm	15-week
3487 HS102-3	M,W	12:30pm - 1:45pm	15-week
3488 HS102-4	M,W	3:30pm - 4:45pm	15-week
3489 HS102-5	Tu,Th	8am - 9:15am	15-week
3490 HS102-6	Tu,Th	9:30am - 10:45am	15-week
3491 HS102-7	Tu,Th	12:30pm - 1:45pm	15-week
3492 HS102-8	Tu,Th	2pm - 3:15pm	15-week
3493 HS102-9	Sat	9am - 1:40pm	2nd 8-week
3495 HS102-10	Tu	5pm - 7:35pm	15-week
3496 HS102-ONL1	📖	ONLINE	15-week

### HS103 - Introduction to Social Work and the Human Services (4)

*Prerequisite: 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.

3497 HS103-1	M,W	2pm - 3:15pm	15-week
3498 HS103-2	M	5pm - 7:35pm	15-week

### HS203 - Introduction to Counseling and Interviewing (3)

*Prerequisite: PS 101*

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

3499 HS203-1	W	5pm - 7:35pm	15-week
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### HS204 - Ethics & Practice Issues in the Human Services (1)

*Prerequisite: HS 203; Corequisite: INTR 102*

Integrates a study of ethical and practice issues in the human service field with the student's experience in the internship education practicum. Special attention will be given to the special ethical issues in the addictions field.

3500 HS204-HYB1	F	1:30pm - 3:30pm	15-week
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### HS205 - Fundamentals of Addictions (3)

*Prerequisite: HS 203*

Presents major theoretical approaches to the field of addictions, and introduction to the twelve core functions of the alcohol and drug abuse counselor. This course will include skill development training for the beginning alcohol and drug counselor.

3501 HS205-ONL1	📖	ONLINE	15-week
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### HS206 - Pharmacology of Psychoactive Drugs (3)

*Prerequisite: PS 101*

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

3502 HS206-1	Th	5pm - 7:35pm	15-week
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## HU: Humanities

### HU104 - Introduction to Digital Humanities (3)

GE—Humanities

*Prerequisites: [(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.

4374 HU104-1	M,W	12:30pm - 1:45pm	15-week
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## ID: Interdisciplinary Studies

### ID200H - Honors Seminar: Special Topics in Interdisciplinary Studies (3)

GE—Interdisciplinary

*Prerequisites: EN 101, MA 92 or MA 82*

Operates as an interdisciplinary seminar designed for honors students and open to other qualified students with permission of instructor. Topics vary from semester to semester but will synthesize work from at least two different academic content areas and focus on issues of importance to society.

3503 ID200H-1	M,W	11am - 12:15pm	15-week
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### ID209 - Ethnic Diversity (3)

GE—Interdisciplinary; Cultural Competence

*Prerequisite: 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.

3504 ID209-1	Tu,Th	2pm - 3:15pm	15-week
3505 ID209-ONL1	📖	ONLINE	15-week

### ID220 - World War II Through Film (3)

GE—Interdisciplinary

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

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

3506 ID220-1	Tu,Th	2pm - 3:15pm	15-week
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### ID225 - Disaster, Crisis and Emergency Management (3)

GE—Interdisciplinary

*Prerequisites: [(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.

4082 ID225-1	Tu,Th	11am - 12:15pm	15-week
4083 ID225-ONL1	📖	ONLINE	15-week

### ID250 - Global Scholar Experience (3)

GE—Multicultural Perspective; Cultural Competence; GE—Interdisciplinary

*Prerequisite or Corequisite: EN 101*

Develop cultural competency through short-term study abroad using a 'learn, travel, teach' model. The pre-trip component will introduce the concept of cultural competency, elements of culture, and an overview of the destination country's/ies' culture(s). During the study abroad portion, daily journaling or blogging will record and analyze the travel experience. Post-trip, a multimedia cultural competency project will be completed with faculty supervision and presented to an audience. Students who successfully complete all course requirements will be awarded a Global Scholar Certificate.

4532 ID250-HYB1	F	9:30am - 10:45am	15-week
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*Note: Enrollment and participation in the Spain 2017 short term travel abroad required.*

### ID260 - The Language of Hip Hop (3)

GE—Interdisciplinary; Cultural Competence

*Prerequisite or Corequisite: EN 101*

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

4029 ID260-1	Tu,Th	12:30pm - 1:45pm	15-week
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## INTR: Internship

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### INTR101 - Internship (1)

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

**3995 INTR101-1 TBA 15-week**

*Note: Additional sections available in various sessions.*

### INTR102 - Internship (2)

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

**3996 INTR102-1 TBA 15-week**

*Note: Additional sections available in various sessions.*

### INTR103 - 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.

**3997 INTR103-1 TBA 15-week**

*Note: Additional sections available in various sessions.*

## IS: Independent Study Honors

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### IS900H - Independent Study - Biology Honors (3)

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

**3984 IS900H-1 TBA 15-week**

### IS901H - Independent Study - Communication Honors (3)

**3985 IS901H-1 TBA 15-week**

### IS902H - Independent Study - English Honors (3)

**3986 IS902H-1 TBA 15-week**

### IS903H - Independent Study - Mathematics Honors (3)

**3987 IS903H-1 TBA 15-week**

*Note: Honors contracts are available for MA206, 207, 210, 211, 212, 213 and 218.*

### IS904H - Independent Study - Psychology Honors (3)

**3988 IS904H-1 TBA 15-week**

### IS905H - Independent Study - Sociology Honors (3)

**3989 IS905H-1 TBA 15-week**

### IS909H - Independent Study - Art Honors (3)

**3990 IS909H-1 TBA 15-week**

### IS910H - Independent Study - Physical Science Honors (3)

**3991 IS910H-1 TBA 15-week**

### IS911H - Independent Study - History Honors (3)

**3992 IS911H-1 TBA 15-week**

### IS912H - Honors Forum (1)

**3993 IS912H-1 TBA 2nd 7-week**  
**3994 IS912H-2 TBA 2nd 7-week**

## ITR: American Sign Language Interpreting

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### ITR104 - Introduction to Interpreting (3)

*Prerequisites: EN 52 or ESL 99 or ESL 72; Prerequisite or Corequisite: ASLS 211*

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.

**4560 ITR104-1 Tu 5pm - 7:35pm 15-week**

## LA: Paralegal

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### LA100 - Introduction to Law (3)

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

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.

**3507 LA100-HYB1 Sat 9am - 1:15pm 1st 7-week Saturday**

### LA105 - Torts (3)

*Prerequisites: ((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.

**3508 LA105-HYB1 M 6pm - 8:30pm 1st 7-week**  
**3509 LA105-ONL1 ONLINE 15-week**

### LA110 - 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.

**4321 LA110-HYB1 Tu 6pm - 8:35 p.m. 15-week**

### LA120 - 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, memorandum, pleadings, trial briefs, legal correspondence and legislative drafting.

**3510 LA120-HYB1 M 6pm - 8:30pm 1st 7-week**

### LA220 - Evidence and Procedure (Civil) (3)

*Prerequisite: LA 100*

Covers rules governing the admission of evidence at a trial or administrative proceeding. Considers both federal and Maryland law. Explores procedural aspects of civil actions.

**4229 LA220-HYB1 Sat 9am - 1:15pm 2nd 7-week Saturday**

### LA240 - Family Law (3)

*Prerequisite: LA 100*

Develops skills necessary to become an effective legal assistant/paralegal working with family law matters. Explores the fundamentals of family law including: the regulation of marriage; law of divorce; annulment and legal separation; child custody and support; children of unmarried parents; child abuse and neglect; domestic violence; and adoption.

**3512 LA240-HYB1 W 6pm - 8:30pm 2nd 7-week**

## LAR: Arabic

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### LAR101 - Introductory Arabic I (3)

GE—Humanities

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

**4378 LAR101-1 M,W 12:30pm - 1:45pm 15-week**

## LF: French

### LF101 - Introductory French I (3)

GE—Humanities

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

**3872 LF101-1** M,W 2pm - 3:15pm 15-week

*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

**3873 LF101-ONL1** ONLINE 15-week

### LF102 - Introductory French II (3)

GE—Humanities

*Prerequisite: LF 101*

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

**3874 LF102-1** M,W 12:30pm - 1:45pm 15-week

## LG: German

### LG101 - Introductory German I (3)

GE—Humanities

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

**3875 LG101-1** Tu,Th 9:30am - 10:45am 15-week

*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

## LI: Italian

### LI101 - Introductory Italian I (3)

GE—Humanities

Presents the fundamentals of the Italian written and spoken language. Develops a firm foundation in the language with emphasis on the development of vocabulary, grammar, reading and conversational skills. Offers insight into Italian culture and customs.

**3877 LI101-1** Tu,Th 3:30pm - 4:45pm 15-week

## LL: Latin

### LL102 - Introductory Latin II (3)

GE—Humanities

*Prerequisite: LL 101*

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

**3878 LL102-1** Tu 5pm - 7:35pm 15-week

## LS: Spanish

### LS101 - Introductory Spanish I (3)

GE—Humanities

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

**3881 LS101-1** M,W 9:30am - 10:45am 15-week

*Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.*

**3882 LS101-2** M,W 12:30pm - 1:45pm 15-week

**3883 LS101-3** Tu,Th 11am - 12:15pm 15-week

**3884 LS101-4** Tu,Th 2pm - 3:15pm 15-week

**3885 LS101-ONL1** ONLINE 15-week

### LS102 - Introductory Spanish II (3)

GE—Humanities

*Prerequisite: LS 01*

A continuation of LS 101. Introduces more complicated readings.

**4383 LS102-1** MW 12:30pm - 1:45pm 15-week

**3886 LS102-2** Tu,Th 11am - 12:30pm 13-week

**3887 LS102-ONL1** ONLINE 15-week

### LS202 - Intermediate Spanish II (3)

GE—Humanities; Cultural Competence

*Prerequisite: LS 201*

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

**3888 LS202-1** M,W 11am - 12:15pm 15-week

## MA: Mathematics

### MA82 - 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 51 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.

**4507 MA82-1** M,Tu,W,Th 9:30am - 10:45am 10-week

**3017 MA82-2** M,W 9am - 10:40am 15-week

**3018 MA82-3** M,W 11am - 12:40pm 15-week

**3019 MA82-4** M,W 1pm - 2:40pm 15-week

**3021 MA82-5** Tu,Th 9am - 10:40am 15-week

**3022 MA82-6** Tu,Th 11am - 12:40pm 15-week

**3027 MA82-7** M,W 6pm - 7:40pm 15-week

**4313 MA82-8** Tu,Th 6pm - 7:40pm 15-week

**3025 MA82-HYB1** F 9am - 10:40am 15-week

### MA85 - Introductory and Intermediate Algebra (0) [6]

*Prerequisites: Placement in EN 51 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.

**3030 MA85-1** M,Tu,W,Th 9:30am - 10:45am 15-week

**4493 MA85-2** M,Tu,W,Th 11am - 12:15pm 15-week

**3031 MA85-3** M,Tu,W,Th 12:30pm - 1:45pm 15-week

**3032 MA85-4** M,Tu,W,Th 6pm - 7:45pm 15-week

### MAA - Instruction with Algebra (0) [2]

**4115 MAA-1** ASG 15-week

*Note: Students registering for MA 103A or BU/MA 205A or MA 206A must also register for MA A.*

### MA103 - Foundations of Mathematics (3)

GE—Math

*Prerequisite: MA 81 or appropriate score on mathematics placement test*

Covers various topics within mathematics for those who need a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. Areas covered may include problem-solving strategies, logic, numeration systems, set theory, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming, graph theory, and voting theory. Students cannot receive credit for both MA 103 and MA 103A.

**4497 MA103-1** M,Tu,W,Th 11am - 12pm 10-week

**3033 MA103-2** M,W 8am - 9:15am 15-week

**4494 MA103-3** M,W 9:30am - 10:45am 15-week

**3037 MA103-4** M,W 11am - 12:15pm 15-week

**4495 MA103-5** M,W 12:30pm - 1:45pm 15-week

**4496 MA103-6** Tu,Th 8am - 9:15am 15-week

**3034 MA103-7** Tu,Th 9:30am - 10:45am 15-week

**3035 MA103-8** Tu,Th 12:30pm - 1:45pm 15-week

**3036 MA103-9** Tu,Th 2pm - 3:15pm 15-week

**4257 MA103-10** F 8am - 10:35am 15-week

**4259 MA103-11** M 6pm - 8:35pm 15-week

**3038 MA103-ONL1** ONLINE 15-week



### MA103A - Foundations of Mathematics with Algebra (3) [5]

GE-Math

*Prerequisites: MA 80 or appropriate score on mathematics placement test placement in EN 51 or ESL 70 or higher on the reading placement test*

4106 MA103A-1	M,Tu,W,Th	8am - 9:05am	15-week
4498 MA103A-2	M,Tu,W,Th	9:30am - 10:35am	15-week
4107 MA103A-3	M,Tu,W,Th	11am - 12:05pm	15-week
4108 MA103A-4	M,Tu,W,Th	2pm - 3:05pm	15-week
4260 MA103A-5	M,Tu,W,Th	3:30pm - 4:35pm	15-week
4261 MA103A-6	M,W	6pm - 8:10pm	15-week
4499 MA103A-7	Tu,Th	6pm - 8:10pm	15-week

*Note: Students registering for MA 103A must also register for MA A - Instruction with Algebra.*

### MA105 - Fundamental Concepts of Mathematics (4)

*Prerequisite: A grade of B or better in MA 81 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.*

A study of the real number system for early childhood education and elementary education students. 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. Emphasizes problem solving strategies.

3040 MA105-1	Tu,Th	9am - 10:40am	15-week
3041 MA105-2	Tu,Th	5pm - 6:40pm	15-week

### MA106 - Fundamental Concepts of Mathematics II (4)

*Prerequisite: A grade of B or better in MA 81 or appropriate score on mathematics placement test. It is recommended that students pass MA 105 before taking this course.*

*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.

3043 MA106-1	M,W	9am - 10:40am	15-week
3044 MA106-2	Tu,Th	7pm - 8:40pm	15-week

### MA111 - Precalculus (4)

GE-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.

3048 MA111-1	M,W	11am - 12:40pm	15-week
3045 MA111-2	M,W	1pm - 2:40pm	15-week
3047 MA111-3	Tu,Th	9am - 10:40am	15-week
3049 MA111-4	Tu,Th	1pm - 2:40pm	15-week
3050 MA111-5	M,W	5pm - 6:40pm	15-week
3051 MA111-ONL1	📖	ONLINE	15-week

### MA130 - College Algebra (3)

GE-Math

*Prerequisite: A grade of C or better in MA 82 or MA 85 or appropriate score on mathematics placement test.*

This class can be taken as a single semester course in College Algebra or as the first part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, complex numbers, formulae of midpoint, distance and average rate of change, and right triangle trigonometry. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

3052 MA130-1	M,W	8am - 9:15am	15-week
3053 MA130-2	M,W	9:30am - 10:45am	15-week
4004 MA130-3	M,W	11am - 12:15pm	15-week
4005 MA130-4	M,W	2pm - 3:15pm	15-week
3055 MA130-5	Tu,Th	9:30am - 10:45am	15-week
3056 MA130-6	Tu,Th	11am - 12:15pm	15-week
3058 MA130-7	Tu,Th	12:30pm - 1:45pm	15-week
4314 MA130-8	Tu,Th	3:30pm - 5pm	13-week
4276 MA130-9	Sat	9am - 11:45am	14-week
3057 MA130-10	M,W	5pm - 6:45pm	13-week

### MA131 - Trigonometry with Analytic Geometry (3)

GE-Math

*Prerequisite: A grade of C or better in MA 130*

This class can be taken as a single semester course in Trigonometry with Analytic Geometry or as the second part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of right triangle trigonometry, circular trigonometric functions, inverse trigonometric functions, trigonometric and inverse trigonometric identities, polar coordinates, parametric equations, Euler's formula, vectors and conic sections. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

3059 MA131-1	Tu,Th	11am - 12:15pm	15-week
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### MA201 - Applied Calculus (3)

GE-Math

*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.

3060 MA201-1	M,W	11am - 12:15pm	15-week
4508 MA201-2	Tu,Th	2pm - 3:15pm	15-week
4278 MA201-ONL1	📖	ONLINE	15-week

### MA202 - Introduction to Discrete Mathematics (3)

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

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

3062 MA202-1	M,W	12:30pm - 1:45pm	15-week
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### MA206 - Elementary Statistics (3)

GE-Math

*Prerequisite: MA 81 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.

4500 MA206-1	M,Tu,W,Th	9:30am - 10:30am	10-week
3064 MA206-2	M,W	8am - 9:15am	15-week
3063 MA206-3	M,W	9:30am - 10:45am	15-week
4006 MA206-4	M,W	11am - 12:15pm	15-week
4007 MA206-5	M,W	12:30pm - 1:45pm	15-week
4008 MA206-6	M,W	2pm - 3:15pm	15-week
3065 MA206-7	Tu,Th	8am - 9:15am	15-week
3066 MA206-8	Tu,Th	9:30am - 10:45am	15-week
4289 MA206-9	Tu,Th	11am - 12:15pm	15-week
4503 MA206-10	Tu,Th	12:30pm - 1:45pm	15-week
3067 MA206-11	Tu,Th	2pm - 3:15pm	15-week
4290 MA206-12	F	11am - 1:35pm	15-week
4291 MA206-13	Tu	6pm - 8:35pm	15-week
4293 MA206-14	W	6pm - 8:35pm	15-week
4294 MA206-15	Th	5:30pm - 8:05pm	15-week
3072 MA206-ONL1	📖	ONLINE	15-week

### MA206A - Elementary Statistics with Algebra (3) [5]

GE-Math

*Prerequisites: A grade of B or better in MA 80 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 70 or higher on the reading placement test*

4109 MA206A-1	M,Tu,W,Th	8am - 9:05am	15-week
4114 MA206A-2	M,Tu,W,Th	9:30am - 10:35am	15-week
4110 MA206A-3	M,Tu,W,Th	11am - 12:05pm	15-week
4111 MA206A-4	M,Tu,W,Th	12:30pm - 1:35pm	15-week
4112 MA206A-5	M,Tu,W,Th	2pm - 3:05pm	15-week
4504 MA206A-6	M,W	6pm - 8:10pm	15-week
4113 MA206A-7	Tu,Th	6pm - 8:10pm	15-week

*Note: Students registering for MA 206A must also register for MA A - Instruction with Algebra.*

## MA207 - Elementary Statistics with Probability (4)

GE—Math

*Prerequisite:* A grade of B or better in MA 81 or appropriate score on mathematics placement test  
Introduces non-calculus statistics with additional topics in elementary probability. Statistical topics include descriptive analysis and treatment of data, statistical inference, linear regression and correlation, and chi-square tests. Topics from Elementary Probability include basic event and outcome concepts, fundamental rules of probability, random variables and their distributions, and expectation. Practical applications of the course concepts are explored through team projects. Students can only receive credit for one of the following: MA 207, MA 207A.

3074 MA207-1	M,W	11am - 12:40pm	15-week
4510 MA207-2	Tu,Th	1pm - 2:40pm	15-week
3075 MA207-HYB1	M	5pm - 6:40pm	15-week

## MA210 - Calculus I (4)

GE—Math

*Prerequisite:* Grade of C or better in MA 111 or grades of C or better in both MA 130 and MA 131  
*Presents the first course in the three-semester calculus sequence (MA 210, MA 211, MA 212).*  
Designed for students in mathematics, science, engineering, medical and other technical programs. Topics covered include: functions, limits, continuity, the derivative concept, differentiation techniques (including produce rule, quotient rule, chain rule and implicit differentiation), applications of the derivative, and definite and indefinite integral concepts. The Fundamental Theorem of Calculus is discussed and used in the context of introductory integration.

3076 MA210-1	M,W	11am - 12:40pm	15-week
3077 MA210-2	Tu,Th	9am - 10:40am	15-week
3078 MA210-3	Tu,Th	1pm - 2:40pm	15-week
3079 MA210-4	Tu,Th	5pm - 6:40pm	15-week
3080 MA210-ONL1	📖	ONLINE	15-week

## MA211 - Calculus II (4)

GE—Math

*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.

3081 MA211-1	M,W	1pm - 2:40pm	15-week
3082 MA211-2	Tu,Th	11am - 12:40pm	15-week
3083 MA211-3	Tu,Th	5pm - 6:40pm	15-week

## MA212 - 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.

3085 MA212-1	M,W	1pm - 2:40pm	15-week
3084 MA212-2	Tu,Th	3pm - 4:40pm	15-week

## MA213 - Differential Equations (3)

*Prerequisite:* MA 211; *Prerequisite or Corequisite:* MA 214

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

3087 MA213-1	Tu,Th	5pm - 6:15pm	15-week
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## MA214 - Introduction to MatLab (1)

*Prerequisite or Corequisite:* MA 210

Provides an introduction to MatLab. It is designed to give students fluency in MatLab, including popular toolboxes. The course consists of interactive workshops with students doing sample MatLab problems in real time. Problem-based MatLab assignments are given which require significant time on MatLab.

4296 MA214-ONL1	📖	ONLINE	1st 5-week
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## MDA: Medical Assisting

### MDA101 - Foundations of Medical Assisting I (3)

*Prerequisite or Corequisite:* MDA 109

Introduces the professional responsibilities of the administrative and clinical medical assistant. Emphasizes interpersonal communication, records management, administrative responsibilities, financial administration and patient care activities for the physician's office.

3273 MDA101-1	Tu,Th	6:30pm - 8:45pm	1st 7-week
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### MDA102 - Foundations of Medical Assisting II (3)

*Prerequisite:* MDA 101; *Prerequisite or Corequisite:* MDA 109

Introduces the theory and skills necessary for a clinical medical assistant. Skills include (but are not limited to): medical asepsis, knowledge and/or performance of blood borne pathogens/OSHA regulations, general patient care, assisting with patient care activities, position and measurement of vital signs, health histories.

3274 MDA102-1	Tu,Th	6:30pm - 8:45pm	2nd 7-week
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### MDA107 - Phlebotomy for Allied Health Professionals (1)

*Prerequisite:* EN 52 or ESL 99

Develops skills in blood collection procedures using vacuum collection devices, syringes, capillary skin puncture, butterfly needles, blood culture, and syringe and IV collection. Collection of specimens from adults, children, and infants is discussed.

4329 MDA107-HYB1	M	6pm - 7:15pm	1st 7-week
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### MDA108 - Basic Medical Terminology (1)

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

Provides students with the basic medical terminology framework needed before advancing to a more comprehensive medical terminology or anatomy and physiology based course.

3275 MDA108-HYB1	Tu	11am - 12:15pm	2nd 7-week
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### MDA109 - Medical Terminology (3)

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

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.

3276 MDA109-HYB1	Th	9:30am - 10:45am	15-week
3277 MDA109-HYB2	Th	2pm - 3:15pm	15-week
3278 MDA109-HYB3	W	7:30pm - 9:15pm	1st 7-week
3279 MDA109-ONL1	📖	ONLINE	15-week
4225 MDA109-ONL2	📖	ONLINE	2nd 7-week

### MDA110 - Pharmacology for Medical Office Practice (3)

*Prerequisite:* EN 52 or ESL 99 or ESL 72; *Prerequisite or Corequisite:* MDA 109

Introduces students interested in medical office practices to the field of pharmacology. Students will be completing clinical and multimedia applications encountered in a clinic/doctor's office setting. Applications include handwritten and electronic prescriptions, drug forms, drug labels, patient photographs, and clinical scenarios. Each anatomical system will be the subject of a unit in this course. This course is not intended for the nursing student.

4324 MDA110-HYB1	Th	11am - 1:35pm	1st 7-week
3280 MDA110-ONL1	📖	ONLINE	2nd 7-week

### MDA112 - Medical/Administrative Office Applications (3)

*Prerequisite or Corequisite:* MDA 109

Covers the general flow of information in a medical office and the role that computers play in administrative tasks. Simulation software is used to reflect today's office environment such as variety in fee schedules, patient scheduling, and office hour organization. Students will perform additional office procedures including insurance claims and financial tasks.

3281 MDA112-HYB1	W	6pm - 8:35pm	1st 7-week
3282 MDA112-ONL1	📖	ONLINE	2nd 7-week

### MDA115 - Phlebotomy Skills (3)

*Prerequisite:* EN 52 or ESL 99

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.

4328 MDA115-HYB1	W	6pm - 8:30pm	2nd 7-week
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### MDA201 - Medical Assisting Laboratory Procedures (3)

*Prerequisite:* MDA 102; *Prerequisite or Corequisite:* MDA 104

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

3283 MDA201-1	F	9am - 1:15pm	1st 7-week
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### MDA202 - Medical Assisting Clinical Skills (3)

*Prerequisite or Corequisite: MDA 201*

Introduces the basic routine clinical skills and techniques required for assisting with patients in the medical office. Presents proper clinical techniques and theory behind each technique. Skills include (but are not limited to): collecting, handling, and examining laboratory specimens and using phlebotomy procedures according to OSHA regulations. Demonstrating use of clinical equipment including centrifuge and audiometer.

**3284 MDA202-1**      **F**      **9am - 1:15pm**      **2nd 7-week**

### MDA204 - Medical Assisting Clinical II (2)

*Prerequisite or Corequisite: MDA 202*

Provides students with supervised patient-care experience in the medical office. Emphasis is placed on enhancing competence in clinical and laboratory skills necessary for comprehensive patient care and strengthening professional communications and interactions.

**4124 MDA204-1**      **ASG**      **2nd 7-week**

### MDA216 - Medical Coding Basics (3)

*Prerequisite or Corequisite: CIS 101*

Introduces the structure and conventions of diagnostic ICD (International Classification of Diseases) and procedural CPT (Current Procedural Terminology) coding. Covers a variety of medical specialties and coding issues encountered in healthcare providers' offices. Broadens medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

**3285 MDA216-HYB1**      **Tu**      **6:30pm - 8:45pm**      **1st 7-week**

**4325 MDA216-ONL1**      **📱**      **ONLINE**      **15-week**

### MDA218 - Health Insurance Billing and Reimbursement (3)

*Prerequisite or Corequisite: MDA 216*

Introduces processing of health insurance claims including plan options, payer requirements, state and federal regulations, abstraction of source documents, accurate completion of claims, coding of diagnoses, and procedures/services. Includes the following types of insurance: Commercial Insurance, Blue Cross Blue Shield, Medicare, Medicaid, TRICARE, and Workers' Compensation. Emphasis on CMS Reimbursement Methodologies will be incorporated into the curriculum.

**3286 MDA218-HYB1**      **Tu**      **6:30pm - 8:45pm**      **2nd 7-week**

**4326 MDA218-ONL1**      **📱**      **ONLINE**      **1st 7-week**

### MDA220 - Electronic Health Records (3)

*Prerequisites or Corequisites: MDA 109, CIS 101*

Introduces students to Electronic Health Records (EHR) through an examination of existing transitions and structures between medical facilities. Practical applications and guided exercises will enable the student to be prepared for changes in the healthcare field.

**3287 MDA220-ONL1**      **📱**      **ONLINE**      **1st 7-week**

**3288 MDA220-ONL2**      **📱**      **ONLINE**      **2nd 7-week**

### MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

*Prerequisites: [(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.

**4327 MDA222-ONL1**      **📱**      **ONLINE**      **15-week**

## MU: Music

### MU101 - Introduction to Music History and Appreciation (3)

GE—Arts

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

Presents a study of music masterpieces of the past and present through reading, listening and analysis.

**3889 MU101-1**      **M,W**      **9:30am - 10:45am**      **15-week**

**3890 MU101-2**      **Tu,Th**      **11am - 12:15pm**      **15-week**

**3891 MU101-ONL1**      **📱**      **ONLINE**      **15-week**

### MU103 - Fundamentals of Music (3)

GE—Arts

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

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.

**3892 MU103-1**      **M,W**      **11am - 12:15pm**      **15-week**

**3893 MU103-2**      **Tu,Th**      **12:30pm - 1:45pm**      **15-week**

**3894 MU103-ONL1**      **📱**      **ONLINE**      **15-week**

### MU106 - Aural and Keyboard Skills I (1)

*Prerequisite: MU 103*

Converts theoretical knowledge into practical application through sight-singing, ear-training, keyboard work and rhythmic exercises. Study concepts are derived from material introduced in Music Theory I, including major and minor scales, intervals, sequential patterns and simple melodies, rhythmic patterns, tempos, cadences, harmonization and figured bass.

**3895 MU106-1**      **Tu,Th**      **9:30am - 10:45am**      **15-week**

### MU107 - Aural and Keyboard Skills II (1)

*Prerequisite: MU 106*

A continuation of Aural and Keyboard Skills I, coordinated with material presented in Music Theory II, including more difficult triad types and seventh chords, non-harmonic tones, part-singing, syncopated rhythms, cadences, harmonic progressions and modulations.

**3896 MU107-1**      **Tu,Th**      **2:30pm - 3:20pm**      **15-week**

### MU108 - Survey of World Music (3)

GE—Arts; Cultural Competence; GE—Multicultural Perspect

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

Provides an introduction to the indigenous musical expressions of countries around the world, including African, Asian, Latin American, native North American and the Caribbean, emphasizing a global perspective and artistic interaction of world cultures. Considers origins, unique instruments, significant genres, notable artists, and cultural functions. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

**3898 MU108-ONL1**      **📱**      **ONLINE**      **15-week**

### MU109 - History of American Popular Music (3)

GE—Arts

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

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.

**3899 MU109-1**      **Tu,Th**      **9:30am - 10:45am**      **15-week**

**3900 MU109-ONL1**      **📱**      **ONLINE**      **15-week**

### MU111 - Music Theory I (3)

*Prerequisite: MU 103*

Presents a study of diatonic harmony through four-part writing and analysis of music. Includes sight-singing, rhythmic and melodic dictation. Private instruction is recommended concurrently.

**3901 MU111-1**      **Tu,Th**      **11am - 12:15pm**      **15-week**

### MU112 - Music Theory II (3)

*Prerequisite: MU 111*

A continuation of Theory I, with more advanced harmony. Introduces contrapuntal technique. Offers more advanced dictation skills, beginning composition using course skills.

**3902 MU112-1**      **Tu,Th**      **3:30pm - 4:45pm**      **15-week**

### MU118 - Choral Ensemble I (1)

Presents a variety of choral literature as the basis for study and presentation. Students participate as members of the Choral Arts Society of Frederick. Three rehearsal hours weekly. Open to all students.

**3903 MU118-1C**      **Tu**      **7:45pm - 10:20pm**      **15-week**

### MU120 - Jazz Ensemble I (1)

*Prerequisite: Permission of instructor*

Presents great jazz literature as the basis for study and presentation. Three rehearsal hours weekly. Applied music in chosen instrument recommended concurrently.

**3904 MU120-1**      **M**      **7:30pm - 9:30pm**      **15-week**

**3905 MU120-2C**      **W**      **7:45pm - 10:10pm**      **15-week**

### MU122 - 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.

**3906 MU122-1C**      **Th**      **7pm - 9:30pm**      **15-week**

### MU124 - 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.

**3907 MU124-1C**      **W**      **6:30pm - 9pm**      **15-week**

### MU130 - Foundations of Audio Technology (3)

*Prerequisite or Corequisite: 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.

**3908 MU130-1 Tu,Th 11am - 12:15pm 15-week**

### MU135 - Audio Recording Techniques (3)

*Prerequisite: MU 130*

Provides an in-depth exploration of microphone technology, analog and digital theory, and recording systems. Students will explore techniques for recording in the tonmeister style of engineering, particularly as it relates to microphone techniques and editing using a digital audio workstation.

**3909 MU135-1 Tu,Th 3:30pm - 4:45pm 15-week**

### MU145 - Publishing, Licensing, and Copyrighting (3)

*Prerequisites or Corequisite: 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.

**4386 MU145-1 M,W 12:30pm - 1:45pm 15-week**

### MU151 - Class Piano I (1)

Offers beginning piano study in a classroom-lab setting. An electronic piano is available for class use. Introduces basic keyboard and musicianship skills, including selected elementary pieces. Enrollment is limited to ten people.

**3910 MU151-1C M 12:30pm - 1:20pm 15-week**

**3911 MU151-2C W 12:30pm - 1:20pm 15-week**

### MU152 - Class Piano II (1)

*Prerequisite: MU 151*

A continuation of the material presented in Class Piano I. Explores elements of theory, technique and improvisation. Topics include major and minor scale building, harmonizing scale degrees, accompaniment patterns, cadences and more. Includes solo and ensemble pieces and standard scale fingerings.

**3912 MU152-1C M 12:30pm - 1:20pm 15-week**

**3913 MU152-2C W 12:30pm - 1:20pm 15-week**

### MU207 - Aural and Keyboard Skills IV (1)

*Prerequisite: MU 206; Corequisite: MU 212*

A continuation of Aural and Keyboard Skills III, coordinated with material presented in Music Theory IV, including synthetic scales, quartal and quintal harmonies, tone rows, chromaticism, changing meters and polychords.

**3935 MU207-1 M,W 3:30pm - 4:20pm 15-week**

### MU212 - Music Theory IV (3)

*Prerequisite: MU 211; Corequisite: MU 207*

A continuation of Music Theory III. Includes chords of the ninth, eleventh and thirteenth, evaded cadences, complex harmonic progressions, whole-tone scale and pentatonic scale, impressionistic techniques, twelve-tone writing, atonality, new sound sources, twentieth-century uses of melody, rhythm, harmony and form, extended uses of chromaticism, new notational methods, score reading and listening.

**3936 MU212-1 M,W 2pm - 3:15pm 15-week**

### MU218 - Choral Ensemble II (1)

Continuation of MU 117-118. Three rehearsal hours weekly.

**3937 MU218-1C Tu 7:45pm - 10:20pm 15-week**

### MU220 - Jazz Ensemble II (1)

*Prerequisite: MU 119 or MU 120*

Continuation of MU 119-120. Three rehearsal hours weekly.

**3938 MU220-1 M 5pm - 7:15pm 15-week**

**3939 MU220-2C W 7:45pm - 10:10pm 15-week**

### MU222 - Orchestral Ensemble II (1)

*Prerequisite: MU 121 or MU 122*

A continuation of MU 121-122. Three rehearsal hours weekly.

**3940 MU222-1C Th 7pm - 9:30pm 15-week**

### MU224 - Wind Ensemble II (1)

*Prerequisite: MU 123 or MU 124*

A continuation of Wind Ensemble I. Three rehearsal hours weekly. Applied instruction in chosen instrument recommended concurrently.

**3941 MU224-1C W 6:30pm - 9pm 15-week**

### MU235 - Advanced Audio Production (3)

*Prerequisite: MU 130; Prerequisite or Corequisite: EN 52 or ESL 99 or ESL 72*

Provides in-depth study and practical application of the tools and techniques used in professional audio recording in a variety of musical styles at a professional level. Includes advanced practical training in signal processing, mixing, and mastering. Additional topics include audio for video and product delivery.

**4031 MU235-1 Tu,Th 6pm - 7:15pm 15-week**

### MU251 - Class Piano III (1)

*Prerequisite: MU 152*

A continuation of the material presented in Class Piano II. Students will work on greater hand independence and facility, arpeggios, chord progressions, new types of scales and secondary dominants. Includes a study of easy classics.

**3942 MU251-2C W 12:30pm - 1:20pm 15-week**

### MU252 - Class Piano IV (1)

*Prerequisite: MU 251*

A continuation of Class Piano III, emphasizing development of a greater repertoire and enhancement of performance skills. Students become more fluent in hand control, rhythmic ability and accompaniment patterns. Includes a study of standard national and holiday pieces, as well as additional drills in functional piano playing.

**3943 MU252-2C W 12:30pm - 1:20pm 15-week**

## MU: Applied Music Courses

### **Additional fees: \$490**

Thirteen one-hour lessons of instruction that encompasses technique, theory, style, interpretation and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam.

### **Instructor Contact List**

Laura Armstrong – Clarinet/

Saxophone/Oboe.....443.615.1529 ..... larmstrong@frederick.edu

Howard Burns – Woodwinds ....301.788.3274 ..... hburns@frederick.edu

Paula Chipman – Voice .....301.846.2566 ..... pchipman@frederick.edu

Jonathan Cresci – Trumpet .....301.624.2844 ..... jcresci@frederick.edu

Lynn Fleming – Bass .....301.922.0398 ..... vfleming@frederick.edu

Adam Gonzalez – Cello.....301.219.4826 ..... agonzalez@frederick.edu

Mary Gresock – Voice .....301.879.2069 ..... mgresock@frederick.edu

Greg Herron – Percussion .....443.621.8694 ..... gherron@frederick.edu

Suk-Yi Hyun – Piano .....240.421.7188 ..... shyun@frederick.edu

Alice Lee – Piano .....202.270.1667 ..... alee@frederick.edu

Aaron Lovely – Low Brass .....703.401.8971 ..... alovely@frederick.edu

David Loy – Voice .....301.791.7730 ..... dloy@frederick.edu

Mark Edwards – Guitar.....334.538.0254 ..... medwards@frederick.edu

Michael Raitzyk – Guitar .....410.905.3149 ..... mraitzyk@frederick.edu

Jennifer Rundlett – Flute .....301.846.2642 ..... jrundlett@frederick.edu

Sterling Scroggins – Voice .....202.906.0613 ..... sscroggins@frederick.edu

Maryory Serrano – Violin/Viola ..540.664.4068 ..... mserrano@frederick.edu

Lynn Staininger – Voice/Piano ...240.405.7382 ..... lstaininger@frederick.edu

John Wickelgren – Piano .....301.668.0355 ..... jwickelgren@frederick.edu

Fred Wilcox – Violin/Viola .....240.504.6974 ..... fwilcox@frederick.edu

### **1<sup>st</sup> & 2<sup>nd</sup> Year Applied Music Courses**

#### MU 173 - First Year Piano (1)

**3915 MU173-1 John Wickelgren 15-week**

**3916 MU173-2 Lynn Staininger 15-week**

**3917 MU173-3 Alice Lee 15-week**

**3918 MU173-4 Suk-Yi Hyun 15-week**

#### MU 175 - First Year Voice (1)

**3919 MU175-1 Paula Chipman 15-week**

**3920 MU175-2 William Loy 15-week**

**3921 MU175-3 Mary Gresock 15-week**

**3922 MU175-4 Lynn Staininger 15-week**

**3923 MU175-5 Sterling Scroggins 15-week**



<b>MU179 - First Year Brass (1)</b>			
3924	MU179-1	Jonathan Cresci	15-week
3925	MU179-2	Aaron Lovely	15-week

<b>MU181 - First Year Woodwinds (1)</b>			
3926	MU181-1	Jennifer Rundlett	15-week
3927	MU181-2	Laura Armstrong	15-week
4136	MU181-3	Howard Burns	15-week

<b>MU183 - First Year Strings (1)</b>			
3928	MU183-1	Fred Wilcox	15-week
3929	MU183-2	Maryory Serrano	15-week
3930	MU183-3	Adam Gonzalez	15-week
3931	MU183-4	Vivian Lynn Fleming	15-week

<b>MU184 - First Year Guitar (1)</b>			
3932	MU185-1	Michael Raitzyk	15-week
3933	MU185-2	Mark Edwards	15-week

<b>MU187 - First Year Percussion (1)</b>			
3934	MU187-1	Gregory Herron	15-week

<b>MU273 - Second Year Piano (1)</b>			
3944	MU273-1	John Wickelgren	15-week
3945	MU273-2	Lynn Staininger	15-week
3946	MU273-3	Alice Lee	15-week
3947	MU273-4	Suk-Yi Hyun	15-week

<b>MU275 - Second Year Voice (1)</b>			
3948	MU275-1	Paula Chipman	15-week
3949	MU275-2	William Loy	15-week
3950	MU275-3	Mary Gresock	15-week
3951	MU275-4	Lynn Staininger	15-week
3952	MU275-5	Sterling Scroggins	15-week

<b>MU279 - Second Year Brass (1)</b>			
3953	MU279-1	Jonathan Cresci	15-week
3954	MU279-2	Aaron Lovely	15-week

<b>MU281 - Second Year Woodwinds (1)</b>			
3955	MU281-1	Jennifer Rundlett	15-week
3956	MU281-2	Laura Armstrong	15-week
4137	MU281-3	Howard Burns	15-week

<b>MU283 - Second Year Strings (1)</b>			
3957	MU283-1	Fred Wilcox	15-week
3958	MU283-2	Maryory Serrano	15-week
3959	MU283-3	Adam Gonzalez	15-week
3960	MU283-4	Vivian Lynn Fleming	15-week

<b>MU285 - Second Year Guitar (1)</b>			
3961	MU285-1	Michael Raitzyk	15-week
3962	MU285-2	Mark Edwards	15-week

<b>MU287 - Second Year Percussion (1)</b>			
3963	MU287-1	Gregory Herron	15-week

## NM: Nuclear Medicine

### NM105 - Nuclear Medicine Techniques II (3)

*Prerequisites: NM 101, NM 102, NM 103, and NM 104*

Introduces all aspects of advanced imaging techniques utilized in nuclear medicine and molecular imaging. Acquisition procedures, radiopharmaceuticals, standard uptake values, and other quantitative data related to imaging will be covered. Information on pathologic conditions related to all advanced imaging areas will be encompassed.

3629	NM105-1	W	1:45pm - 5pm	15-week
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### NM107 - Instrumentation and Computers in Nuclear Medicine Technology (4)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Introduces both non-imaging and imaging instrumentation in nuclear medicine and the use of digital electronics and computer technology in medical imaging. Includes monitoring equipment, dose calibrators, well counters, uptake probes, liquid scintillation systems, and the gamma probe. Incorporates information on the components, use, and quality control of the various types of systems used for gamma and positron imaging. Includes digital image acquisition, reconstruction, postprocessing, advanced visualization, decision support, computer networking and PACS, information systems, and industry standards.

3630	NM107-1	M	4:30pm - 9:30pm	15-week
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### NM202 - Clinical Nuclear Medicine Technology II (2)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Provides directed practice in a clinical affiliate hospital/imaging center. Students will develop their individual clinical techniques. Daily imaging critiques by licensed/certified technologists and on-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

3631	NM202-1	Tu,Th,F	8am - 4:30pm	15-week
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### NM203 - Radiopharmacy and Radiation Chemistry (2)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Presents basic skills necessary for the operation of a radiopharmacy. Includes production of radionuclides, FDA approval, quality control, adverse reactions, and transportation of radiopharmaceuticals.

3632	NM203-1	W	10:30am - 1:30pm	15-week
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### NM226 - Computed Tomography Clinical Practicum (3)

*Prerequisites: NM 204 and NM 205 OR graduate of NMT program*

Covers imaging of anatomic structures and pathology and recording the information needed to provide optimal examinations. Provides intensive, hands-on practice under the supervision of the clinical staff. Evaluation is based on clinical competency in all aspects of CT imaging procedures and patient care.

4300	NM226-1	M-F	8am - 4:30pm	15-week
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## NU: Nursing

### NU101 - Introduction to Clinical Nursing (6)

GE—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.

3103	NU101-1LC	M	5pm - 8pm	1st 7-week
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3103	NU101-1LC	Tu	5pm - 8pm	15-week
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3104	NU101-11LB	ASG		15-week
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*Note: Students must register for corresponding lecture (LC) and lab (LB).*

### NU211 - Medical-Surgical Nursing I (7)

*Prerequisite: NU 101; passing score on the Math for Medication Safety test*

Introduces the study of the adult client with acute and chronic alterations in wellness. Emphasis is on assimilation and knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

3108	NU211-1LC	M	8am - 12pm	15-week
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3109	NU211-2LC	W	8am - 12pm	15-week
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3110	NU211-11LB	ASG		15-week
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*Note: Students must register for corresponding lecture (LC) and lab (LB).*

### NU212 - Medical-Surgical Nursing II (4)

*Prerequisites: NU 210, NU 211; passing score on the Math for Medication Safety test*

Continues study of the adult client with increasingly complex acute and chronic alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

3111	NU212-1LC	W	5pm - 7pm	15-week
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3112	NU212-11LB	ASG		15-week
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*Note: Students must register for corresponding lecture (LC) and lab (LB).*

### NU213 - Medical-Surgical Nursing III (4)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Continues study of the adult client with acute, complex, and critical alterations in health. Emphasis is on the adaptation of knowledge, skills, and attitudes needed for the delivery of comprehensive care.

3113 NU213-1LC	Tu	8am - 10am	15-week
3114 NU213-2LC	Th	8am - 10am 1	5-week
3115 NU213-11LB	ASG		15-week

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

### NU214 - Psychiatric/Mental Health Nursing (3)

Prerequisites: NU 210, NU 211; passing score on the Math for Medication Safety test

Examines the impact of mental illness on the individual, family, and community. Explores treatment options and issues; and reviews the evidence-based principles and practice of psychiatric-mental health nursing. Emphasis is placed on the adaptation of knowledge, skills, and attitudes related to caring for clients with alterations in mental health.

3116 NU214-1LC	M	1pm - 3pm	15-week
3117 NU214-11LB	ASG		15-week
4230 NU214-2LC	W	1pm - 3pm	15-week
4231 NU214-3LC	Th	5pm - 7pm	15-week

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

### NU215 - Nursing Care of Children (3)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Introduces the study of the pediatric client experiencing acute alterations in health. Client care in acute and community care settings will be explored with a focus on wellness, health promotion, and safety. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for the delivery of family-centered, safe, and comprehensive care.

3118 NU215-1LC	Tu	1pm - 3pm	15-week
3119 NU215-2LC	Th	1pm - 3pm	15-week
3120 NU215-11LB	ASG		15-week

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

### NU216 - Preparation for Practice (2)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Facilitates the student's adaptation into professional nursing practice. Explores current trends in nursing and concepts related to the nurse as a professional, a member of the health care team, and manager of client care.

3121 NU216-1LC	Tu	10:30am - 12pm	15-week
3122 NU216-2LC	Th	10:30am - 12pm	15-week
3123 NU216-11LB	ASG		15-week

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

## PC: Physical Science

### PC103 - Elements of Physical Science (3)

GE--Science

Prerequisites: [(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.

3400 PC103-1	M,W	11am - 12:15pm	15-week
3401 PC103-2	Tu,Th	2pm - 3:15pm	15-week
3402 PC103-3	W	5pm - 7:35pm	15-week
3403 PC103-ONL1	📖	ONLINE	15-week

### PC104 - The Water Planet: Introduction to Oceanography (3)

GE--Science

Prerequisites: [(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.

3404 PC104-ONL1	📖	ONLINE	15-week
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### PC105 - Introduction to the Science of Weather (3)

GE--Science

Prerequisites: [(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.

4515 PC105-1	Tu,Th	8am - 9:15am	15-week
3405 PC105-2	M	5pm - 7:35pm	15-week

### PC106 - Introduction to Meteorology (4)

GE--Science

Prerequisites: [(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.

3406 PC106-ONL1	📖	ONLINE	15-week
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### PC107 - Introductory Astronomy (4)

GE--Science

Prerequisites: [(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.

3407 PC107-1LC	M	9:30am - 12:05pm	15-week
3408 PC107-11LB	W	9:30am - 12pm	15-week

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

3411 PC107-ONL1	📖	ONLINE	15-week
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### PC108 - Historical Geology (4)

GE--Science

Prerequisites: [(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.

3412 PC108-1LC	W	8am - 10:35am	15-week
3413 PC108-11LB	M	8am - 10:30am	15-week

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

### PC114 - Contemporary Physical Science (4)

GE--Science

Prerequisites: [(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.

3415 PC114-1LC	M	12:30pm - 3:05pm	15-week
3416 PC114-11LB	W	12:30pm - 3pm	15-week
4073 PC114-2LC	Tu	5pm - 7:35pm	15-week
4074 PC114-21LB	Th	5pm - 7:30pm	15-week

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

### PC115 - Introduction to Geoscience (4)

GE--Science

Prerequisites: [(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.

3417 PC115-1LC	Tu	9:30am - 12:05pm	15-week
3418 PC115-11LB	Th	9:30am - 12pm	15-week
4075 PC115-2LC	W	5pm - 7:35pm	15-week
4076 PC115-21LB	M	5pm - 7:30pm	15-week

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

3419 PC115-ONL1	📖	ONLINE	15-week
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## PC121 - Energy and Society (3)

GE—Science

*Prerequisites:* [(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 MA 103A or BU/MA 205A or MA 206A or MA 207A or appropriate score on mathematics placement test

Explores the nature and properties of energy. Emphasizes a scientific understanding of energy and its role in the global society. Examines current and alternative energy sources used to meet the needs of a growing and developing society. Some Friday or Saturday field trips.

**3420 PC121-1 W 9:30am - 12:05pm 15-week**

### Physical Science Notes:

PC109 - Physical Geology offered fall semester only.

PC121 - Energy and Society offered spring semester only.

## PE: Physical Education

### PE108 - Body Mechanics (1)

Examines the application of physical laws to the human body at rest or in motion, including concepts of effective, efficient and aesthetic postures, both static and dynamic. Emphasizes joint motions, care of the back and components of fitness including body compositions, flexibility, strength, muscular endurance and cardiovascular endurance.

**3594 PE108-1 M 5pm - 7:35pm 1st 7-week**

### PE131 - Aerobics (1)

Offers muscular and cardiovascular endurance exercises performed to music.

**3595 PE131-1 M 1pm - 2pm 15-week**

### PE154 - Fitness for Living (3)

GE—Wellness

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

Covers the components of physical fitness, stress, care of the back, nutrition and weight control. Evaluations in all areas included through laboratory experiences.

**3596 PE154-1 M,W 11am - 12:15pm 15-week**

**3597 PE154-2 M,W 12:30pm - 1:45pm 15-week**

**3600 PE154-3 Tu,Th 9:30am - 10:45am 15-week**

**3601 PE154-4 Tu,Th 11am - 12:15pm 15-week**

**3602 PE154-5 W 5pm - 7:35pm 15-week**

### PE160 - Elementary Fencing (1)

Introduces the history, safety, rules and etiquette of fencing. Teaches basic skills required to participate in a fencing match, as well as skills in directing and scoring a match.

**4258 PE160-1 W 1pm - 3:30pm 1st 7-week**

### PE165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

**3603 PE165-1 M 8:30am - 10:30am 1st 7-week**

### PE166 - Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

**3604 PE166-1 M,W 11am - 12pm 1st 7-week**

**3605 PE166-2 M 2pm - 3pm 15-week**

**3606 PE166-3 W 2pm - 3pm 15-week**

**3607 PE166-4 M 5pm - 7pm 2nd 7-week**

### PE179 - Tennis I (1)

Introduces the basic skills of tennis, including the basic grips, forehand and backhand groundstrokes, volleys and serves; covers the rules and etiquette of the sport.

**3608 PE179-1 M,W 11am - 12pm 2nd 7-week**

*Note: After first day, class will meet at the tennis courts. In the event of inclement weather, the class will meet in D100 (Gym).*

### PE181 - Golf I (1)

Introduces the basic skills of golf, including the grip, stance, addressing the ball, aiming, putting, chipping, pitching and the basic full swing; covers the rules and etiquette of the sport.

**3609 PE181-1 Tu 5pm - 7pm 2nd 7-week**

*Note: Course will meet on campus for first three weeks. For weeks 4 - 7, class will be held offsite at Saber Golf and Rec (formerly Liberty Road Golf Center). Fee paid at site is approx. \$35. (\$8 - \$9 per class for last four classes).*

## PE183 - Beginning Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The beginner student will learn skills required to safely traverse the beginner slopes. Fees based on actual rental costs and to be paid at site.

**4266 PE183-1C W 5pm - 7:35pm 1st 5-week**

*Note: This class is held in the Spring semester only. After the first day, class is held at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at site by the second class. Cash, check or credit card are accepted. For fee amounts, see the Ski Liberty website.*

## PE184 - Intermediate Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The intermediate student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

**4267 PE184-1C W 5pm - 7:35pm 1st 5-week**

## PE185 - Advanced Snow Boarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The advanced student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

**4268 PE185-1C W 5pm - 7:35pm 1st 5-week**

## PE187 - Social Dance (1)

Provides instruction in the basic partner dance forms including such dances as the waltz, swing, two-step, cha-cha, polka and fox-trot. Other contemporary dances may be included.

**3610 PE187-1 F 5pm - 7pm 1st 7-week**

*Note: Class held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required. There is no additional charge for the practice parties.*

## PE188 - Yoga (3)

Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

**3611 PE188-1 M 9:30am - 12pm 15-week**

**4413 PE188-2 F 9:30am - 12pm 15-week**

**3612 PE188-HYB1 M 6pm - 8:35pm 1st 7-week**

**3613 PE188-HYB2 Tu 6pm - 8:35pm 2nd 7-week**

## PE189A - Outdoor Skills: Backpacking (1)

Instructs students in the basics of outdoor skills required to survive in relative comfort in an outdoor wilderness setting. Also instructs students in the selection and usage of proper equipment, clothing, and meals in the outdoor wilderness setting. A field trip (up to three days) is required.

**3614 PE189A-1 M 5pm - 6:45pm 2nd 7-week**

*Note: This class meets in the Spring semester only.*

## PE190 - Pilates (1)

Introduces the history of Pilates and describes the physiological basis of exercises that promote core body strength. Includes demonstration and active student participation of Pilates movements.

**3615 PE190-1 Tu,Th 9:30am - 10:45am 2nd 7-week**

## PE193 - Social Dance II (1)

*Prerequisite: PE 187 or permission of instructor*

Social Dance II builds on the dance rhythms learned in Social Dance. The patterns to be learned will incorporate the body mechanics and technique that enable creation of body swing in the Waltz, and smoothness and polish in all the dances: Fox Trot, Swing, Cha-Cha, Rumba and Tango.

**3616 PE193-1 F 5pm - 7pm 2nd 7-week**

*Note: Class held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required. There is no additional charge for the practice parties.*

## PE195 - 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.

**3617 PE195-1 Tu,Th 2pm - 3:15pm 1st 5-week**

### PE196 - Kickboxing (1)

Provides basic fundamentals of Lethwei (Burmese Kickboxing). Basic principles, history, and styles and linguistics of the fighter will be covered. This course emphasizes safety for the student and the instructor. There will be no competitive fights or hard physical contact between students during this course. Mental and physical control as well as proper training etiquette will always be maintained.

<b>3618 PE196-1</b>	<b>W</b>	<b>5pm - 7pm</b>	<b>1st 7-week</b>
<b>3619 PE196-2</b>	<b>W</b>	<b>5pm - 7pm</b>	<b>2nd 7-week</b>

Note: Class held at Bowerhouse Academy, 7311 Grove Rd Suite D, Frederick, MD 21704  
Facility and equipment cost: \$65 includes use of the facility, t-shirt, new pair of boxing gloves and boxing handwraps.

### PE198A - Fitness: Boot Camp (1)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

<b>4414 PE198A-1</b>	<b>Tu,Th</b>	<b>12:30pm - 1:45pm</b>	<b>1st 7-week</b>
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### PE198C - Fitness: Zumba (1)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

<b>3620 PE198C-1</b>	<b>Tu,Th</b>	<b>11am - 12:15pm</b>	<b>1st 7-week</b>
<b>3621 PE198C-2</b>	<b>Tu,Th</b>	<b>11am - 12:15pm</b>	<b>2nd 7-week</b>

### PE236 - Coaching Principles (3)

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)  
Provides student with the knowledge to become an effective coach. Foundational areas of coaching are presented, including coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management. Coaching certification is possible through the American Sports Education Program.

<b>3622 PE236-1</b>	<b>Tu,Th</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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Note: This class is held during the Spring semester only.

### PE237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

<b>4415 PE237-1</b>	<b>M</b>	<b>2:30pm - 3:15pm</b>	<b>2nd 7-week</b>
<b>3623 PE237-ONL1</b>		<b>ONLINE</b>	<b>1st 7-week</b>

### PE241 - Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

<b>3624 PE241-1</b>	<b>Tu,Th</b>	<b>11am - 12:15pm</b>	<b>2nd 7-week</b>
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### PE247 - Methods of Strength Training (1)

Designed for those who will be assisting others in a training program emphasizing muscular fitness. Emphasizes teaching methodologies employed in training programs that focus on muscular fitness. Students will apply teaching methodologies as they practice training with individuals or small groups.

<b>3625 PE247-1</b>	<b>Tu,Th</b>	<b>11am - 12:15pm</b>	<b>1st 7-week</b>
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### PE250 - Care and Prevention of Athletic Injuries (3)

Prerequisite or Corequisite: 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.

<b>3626 PE250-1</b>	<b>M,W</b>	<b>9:30am - 10:45am</b>	<b>15-week</b>
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### PE252 - Essentials of Personal Training (4)

Prerequisites: PE 241, PE 247, PE 249; Prerequisites or Corequisites: PE 108 and PE 154  
Capstone course in the Personal Training Program that leads to the NASM Personal Trainer certification. Course combines 3-credit lecture and 2-credit lab.

<b>3627 PE252-1LC</b>	<b>Tu,Th</b>	<b>5pm - 7:35pm</b>	<b>15-week</b>
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Note: This class is held in the Spring semester only. An additional fee of \$499 is collected at Registration for online resources and voucher to take certification exam.

## PH: Philosophy

### PH101 - Introduction to Philosophy (3)

GE-Humanities  
Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)  
Surveys the major intellectual problems faced by great philosophers of all ages.

<b>3964 PH101-1</b>	<b>M,W</b>	<b>11am - 12:15pm</b>	<b>15-week</b>
<b>3965 PH101-2</b>	<b>Tu,Th</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
<b>4554 PH101-3</b>	<b>F</b>	<b>9am - 11:35am</b>	<b>15-week</b>
<b>3966 PH101-ONL1</b>		<b>ONLINE</b>	<b>2nd 8-week</b>

### PH204 - World Religions (3)

GE-Humanities; Cultural Competence  
Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)  
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.

<b>3967 PH204-1</b>	<b>M,W</b>	<b>9:30am - 10:45am</b>	<b>15-week</b>
<b>3968 PH204-2</b>	<b>M,W</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
<b>3969 PH204-ONL1</b>		<b>ONLINE</b>	<b>15-week</b>

### PH205 - Ethics (3)

GE-Humanities  
Prerequisites: [(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.

<b>3970 PH205-1</b>	<b>Tu,Th</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### PH206 - Logic (3)

GE-Humanities  
Prerequisite: 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.

<b>3971 PH206-1</b>	<b>M,W</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### PH207 - Biomedical Ethics (3)

GE-Humanities  
Prerequisites: [(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.

<b>3973 PH207-ONL1</b>		<b>ONLINE</b>	<b>15-week</b>
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### PH208 - Business Ethics (3)

GE-Humanities  
Prerequisites: [(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.

<b>3974 PH208-HYB1</b>	<b>M</b>	<b>6pm - 7:15pm</b>	<b>15-week</b>
<b>3975 PH208-ONL1</b>		<b>ONLINE</b>	<b>15-week</b>

### PH210 - Ethics and Film (3)

GE-Humanities  
Prerequisites: [(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).

<b>3976 PH210-1</b>	<b>W</b>	<b>1pm - 3:30pm</b>	<b>15-week</b>
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## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



## PI: Political Science

### PI104 - American Government: National (3)

GE—Political Science

*Prerequisites:* [(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.

3513 PI104-1	Tu,Th	12:30pm - 1:45pm	15-week
3514 PI104-2	M	6pm - 8:35pm	13-week
3515 PI104-ONL1	📖	ONLINE	15-week

### PI206 - Civil Liberties (3)

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

Provides historical background, social and political issues and leading cases establishing the present rules regarding civil liberties today.

4251 PI206-1	Tu,Th	11am - 12:15pm	15-week
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## PS: Psychology

### PS101 - General Psychology (3)

GE—Psychology

*Prerequisites:* [(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.

3516 PS101-1	M,W	8am - 9:15am	15-week
3523 PS101-10	Tu,Th	11am - 12:15pm	15-week
3517 PS101-2	M,W	9:30am - 10:45am	15-week
3518 PS101-3	M,W	11am - 12:15pm	15-week
3519 PS101-4	M,W	12:30pm - 1:45pm	15-week
4527 PS101-5	M,W	12:30pm - 1:45pm	13-week
3520 PS101-6	M,W	2pm - 3:15pm	15-week
4528 PS101-7	M,W	3:30pm - 6:00pm	2nd 8-week
3521 PS101-8	Tu,Th	8am - 9:15am	15-week
3522 PS101-9	Tu,Th	9:30am - 10:45am	15-week
3524 PS101-11	Tu,Th	12:30pm - 1:45pm	15-week
3525 PS101-12	Tu,Th	2pm - 3:15pm	15-week
3526 PS101-13	Tu,Th	3:30pm - 4:55pm	13-week
3527 PS101-14	F	8am - 10:35am	15-week
3529 PS101-15	Th	6pm - 8:35pm	15-week
3530 PS101-ONL1	📖	ONLINE	15-week
3532 PS101-ONL2	📖	ONLINE	13-week
4033 PS101-ONL3	📖	ONLINE	2nd 8-week

### PS104 - Issues of Drug/Alcohol Use (3)

*Prerequisites:* [(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.

3534 PS104-1	Tu,Th	11am - 12:15pm	15-week
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### PS202 - Social Psychology (3)

GE—Psychology

*Prerequisites:* [(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.

3535 PS202-1	M,W	9:30am - 10:45am	15-week
3536 PS202-2	Tu,Th	3:30pm - 4:45pm	15-week
3537 PS202-3	M	6pm - 8:35pm	15-week
3538 PS202-ONL1	📖	ONLINE	15-week

### PS204 - Psychology of Adolescence (3)

*Prerequisite:* PS 101

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

3539 PS204-1	M,W	11am - 12:15pm	15-week
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### PS205 - Psychology of Aging (3)

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

Introduces the normal physiological, psychological and sociological changes that occur during the life span. Emphasis on consequent behavior patterns and changing needs of the elderly. Includes study of adaptive processes, intervention techniques, strategies and availability of services.

3540 PS205-1	Tu,Th	2pm - 3:15pm	15-week
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### PS206 - Abnormal Psychology (3)

*Prerequisite:* PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

4399 PS206-1	M,W	2pm - 3:15pm	2nd 8-week
3541 PS206-2	Tu,Th	12:30pm - 1:45pm	15-week
3542 PS206-3C	W	6pm - 8:35pm	15-week
3543 PS206-ONL1	📖	ONLINE	15-week

### PS206H - Abnormal Psychology (3)

*Prerequisite:* PS 101

4034 PS206H-3C	W	6pm - 8:35pm	15-week
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### PS209 - Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)

GE—Multicultural Perspect; Cultural Competence

*Prerequisites:* [(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.

3545 PS209-1	M,W	12:30pm - 1:45pm	15-week
3546 PS209-2	Tu,Th	9:30am - 10:45am	15-week
4254 PS209-HYB1	M	6pm - 7:30pm	15-week

## PY: Physics

### PY101 - Survey of Physics (3)

GE—Science

*Prerequisites:* [(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

Gives students a general background in physics and prepares those who must take a two-semester physics course who have not had high school physics.

4519 PY101-1	M,W	9am - 10:15pm	15-week
3421 PY101-2	F	8am - 10:35am	15-week

### PY202 - Fundamentals of Physics (4)

GE—Science

*Prerequisite:* PY 201

Continues the study of basic principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics.

3422 PY202-1LC	Tu	12:30pm - 3:05pm	15-week
3423 PY202-11LB	Th	12:30pm - 3pm	15-week

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

### PY203 - Introductory Physics I (4)

GE—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 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.

3424 PY203-1LC	M,W	12:30pm - 1:45pm	15-week
3425 PY203-11LB	W	9:30am - 12pm	15-week
3426 PY203-2LC	Th	5pm - 7:35pm	15-week
3427 PY203-21LB	Tu	5pm - 7:30pm	15-week

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

## PY204 - Introductory Physics II (4)

GE—Science

Prerequisites: PY 203, MA 211

Continues the study of fundamental principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics. The theoretical approach and use of calculus are continued.

3428 PY204-1LC	M	5pm - 7:35pm	15-week
3429 PY204-11LB	W	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

### RC103 - Pharmacology (3)

Prerequisites: BI 104, RC 100, RC 102, RC 104

Introduces the various classifications of drugs, including drug action and effects, site of activity, recommended dosages and toxicity. Emphasis on anesthetics, bronchodilators, mucokinetics, cardiovascular agents and drugs affecting the nervous system as they apply to respiratory therapy.

4301 RC103-1	M,W	9:30am - 10:45am	15-week
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### RC105 - Cardiopulmonary and Renal Anatomy and Physiology (3)

Prerequisites: BI 104, RC 100, RC 102, RC 104

Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory therapy.

4302 RC105-1	M	11am - 1:30pm	15-week
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### RC107 - Principles of Mechanical Ventilation (4)

Prerequisites: BI 104, RC 100, RC 102, RC 104

Explores general principles of gas physics, principles of airway management, intubation and the theory and operation of mechanical ventilators. Includes special problems associated with both short-term and long-term care of patients requiring artificial ventilation. Integrates arterial blood gas studies with course topics. The laboratory portion of the course takes the principles and procedures presented in lecture and apply them via procedure competency testing and simulated clinical situations.

4448 RC107-1LC	M,W	8am - 9:15am	15-week
4449 RC107-11LB	W	11am - 1pm	15-week
4450 RC107-12LB	W	1pm - 3pm	15-week
4551 RC107-13LB	M	2pm - 4pm	15-week

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

### RC109 - Clinical Practicum I (2)

Prerequisites: BI 104, RC 100, RC 102, RC 104

Introduces the hospital environment and patient care, including patients charts and record-keeping. Includes practical experience in using basic respiratory therapy equipment and applying it to patient care. Students perform basic respiratory therapy modalities such as oxygen therapy, aerosol therapy, IPPB, incentive spirometry and chest physiotherapy and postural drainage.

4451 RC109-1	Tu,Th	7am - 2pm	15-week
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### RC203 - Pulmonary Rehabilitation and Home Care (2)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Reviews all of the assessment skills, equipment, and interventions presented throughout the program, and applies them to the care of patients in alternative settings. Focus is on teaching patients to live with their diseases. A capstone course for the respiratory care program.

4452 RC203-1	Th	11:40am - 1:20pm	15-week
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### RC205 - Professional Seminar (2)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Prepares students for entry into clinical practice. Emphasizes preparation for the entry level and registry examinations given by the National Board for Respiratory Care. Provides familiarization with the prospective test matrices and uses both text and computer review materials. Reviews and discusses assigned current readings from various journals related to respiratory therapy.

4453 RC205-1	Th	9:30am - 11:10am	15-week
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### RC207 - Cardiopulmonary and Renal Pathophysiology Review (3)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Examines the effects of various diseases upon the cardiopulmonary and renal systems. Discusses both acute and long-term aspects of ventilatory-circulatory impairment. Emphasis on diseases that cause insult to the respiratory system.

4454 RC207-1	Tu	9am - 11:30am	15-week
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## RC209 - Clinical Practicum IV (2)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Provides clinical experience in the pediatric/neonatal environment as well as advanced adult critical care. Students rotate through neonatal and pediatric intensive care units and gain practical experience with mechanical ventilator management and various therapeutic techniques for this patient population. Students also rotate through various adult critical care areas.

4455 RC209-1	M,W	7am - 2pm	15-week
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## SO: Sociology

### SO101 - Introduction to Sociology (3)

GE—Sociology

Prerequisites: [(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.

3547 SO101-1	M,W	9:30am - 10:45am	15-week
3548 SO101-2	M,W	11am - 12:15pm	15-week
3549 SO101-3	M,W	12:30pm - 1:45pm	15-week
3550 SO101-4	M,W	2pm - 3:15pm	15-week
4529 SO101-5	M,W	3:30pm - 4:45pm	13-week
3551 SO101-6	Tu,Th	8am - 9:15am	15-week
3552 SO101-7	Tu,Th	11am - 12:15pm	15-week
3553 SO101-8	Tu,Th	12:30pm - 1:45pm	15-week
3554 SO101-9	Tu,Th	3:30pm - 4:45pm	15-week
3555 SO101-10	F	10:50am - 1:25pm	15-week
4530 SO101-11	M	6pm - 8:30pm	15-week
3556 SO101-12	Tu	6pm - 8:30pm	15-week
3557 SO101-CHS	Tu,Th	12:45pm - 2:20pm	15-week

Note: open to Catoclin High School students only

3558 SO101-ONL1	📱	ONLINE	15-week
4224 SO101-ONL2	📱	ONLINE	13-week

### SO102 - Social Problems (3)

GE—Sociology; Cultural Competence

Prerequisites: [(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.

4531 SO102-1	M,W	9:30am - 10:45am	15-week
3560 SO102-2	Tu,Th	2pm - 3:15pm	15-week
3561 SO102-3	F	9am - 11:35am	15-week
3562 SO102-ONL1	📱	ONLINE	15-week
4253 SO102-ONL2	📱	ONLINE	13-week

### SO201 - Criminology (3)

Prerequisites: [(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.

3563 SO201-1	Tu,Th	2pm - 3:15pm	15-week
3564 SO201-2	Th	6pm - 8:35pm	15-week
3565 SO201-ONL1	📱	ONLINE	13-week

### SO202 - Marriage and Family (3)

Prerequisites: [(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.

3566 SO202-1	M	6pm - 8:35pm	15-week
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## ST: Surgical Technology

### ST100 - Fundamentals of Surgical Technology I (6)

*Prerequisite:* ST 120

Develops concepts, skills and attitudes needed by students to perform as members of a surgical team. Demonstration of competence in basic skills is essential. Simulated practice time in FCC's lab and in operating room settings along with didactic instruction prepare the student for the clinical practicum component of this course.

<b>3635 ST100-11C</b>	<b>M</b>	<b>4:30pm - 9pm</b>	<b>10-week</b>
<b>3636 ST100-11LB</b>	<b>Th,F</b>	<b>9am - 9pm</b>	<b>10-week</b>
<b>3637 ST100-12LB</b>	<b>W,Th,F</b>	<b>6:45am - 3pm</b>	<b>10-week</b>

*Note: An additional fee of \$100 will be collected at Registration to cover cost of drug testing and fingerprinting. Note: Students must register for ST100-11C (lecture) and both labs: ST100-11Lb and ST100-12Lb.*

### ST101 - Introduction to Surgical Technology (6)

GE—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.

<b>3638 ST101-11C</b>	<b>W</b>	<b>10am - 2pm</b>	<b>10-week</b>
<b>3639 ST101-11LB</b>	<b>W</b>	<b>2pm - 3pm</b>	<b>10-week</b>

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

### ST120 - Surgery Essentials (3)

*Prerequisites:* MDA 108 or MDA 109, BI 103 and BI 104

Provides an introduction to the surgical environment and to the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

<b>3640 ST120-11C</b>	<b>M</b>	<b>4:30pm - 9pm</b>	<b>1st 5-week</b>
<b>3640 ST120-11C</b>	<b>W</b>	<b>10am - 3pm</b>	<b>1st 5-week</b>
<b>3641 ST120-11LB</b>	<b>Th,F</b>	<b>9am - 9pm</b>	<b>1st 5-week</b>

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

*Note: An additional fee of \$425 will be collected at Registration to cover cost of lab supplies.*

### ST200 - Fundamentals of Surgical Technology II (12)

*Prerequisite:* ST 100

Provides the student with theory and practice related to the dynamic role of the surgical technologist in classroom, laboratory, and clinical settings. Preceptored clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

<b>3642 ST200-11C</b>	<b>MT</b>	<b>8am - 3pm</b>	<b>15-week</b>
<b>3643 ST200-11LB</b>	<b>W,Th,F</b>	<b>6:45am - 3pm</b>	<b>15-week</b>

*Note: An additional fee of \$250 will be collected at Registration to cover cost of certification exam bundle.*

*Note: Students must register for ST200-11C (lecture) and both labs: ST200-11Lb and ST200-12Lb.*

## THR: Theater

### THR101 - Introduction to Theatre (3)

GE—Arts

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

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

<b>4555 THR101-1</b>	<b>M,W</b>	<b>11am - 12:15pm</b>	<b>15-week</b>
<b>3977 THR101-2</b>	<b>Tu,Th</b>	<b>11am - 12:15pm</b>	<b>15-week</b>

### THR102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

<b>3978 THR102-1</b>	<b>M,W</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### THR105 - Theatre Performance Workshop (3)

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

Provides students with an opportunity to explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and team building skills. The course will use multidisciplinary research skills on topics that are important to the class to create a vibrant theatre piece with a strong community focus.

<b>3979 THR105-EX1C</b>	<b>M,W</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
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### THR203 - Fundamentals of Directing (3)

Addresses problems in playwrighting, directing and acting. Students work on scenes and/or one-act plays.

<b>3980 THR203-1C</b>	<b>Tu,Th</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
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### THR204 - Production Survey (1)

Students participate in a campus theater production as a member of the production crew. May be taken for credit three times.

<b>3981 THR204-1</b>	<b>TBA</b>		<b>15-week</b>
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### THR205 - Acting Survey (1)

*Prerequisite:* Permission of the instructor

Students participate in a campus theater production as a member of the cast. May be taken for credit three times.

<b>3982 THR205-1</b>	<b>TBA</b>		<b>15-week</b>
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### THR206 - Advanced Acting (3)

Concentrates on characterization and dramatic improvisation.

<b>3983 THR206-1C</b>	<b>Tu,Th</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
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### THR210 - Theatre Performance Workshop (3)

*Prerequisite:* THR 105

Provides students with an opportunity to deeply explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on research, writing, and techniques used to build confidence, creativity, critical thinking, and team building skills. The course will use multi-disciplinary research skills on topics that are important to the class to bring a vibrant theatre piece with a strong community focus.

<b>4131 THR210-EX1C</b>	<b>M,W</b>	<b>2pm - 3:15pm</b>	<b>15-week</b>
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### THR212 - Theatre Internship (3)

Offers an intensive study of theatrical performance, including both acting and stagecraft assignments. Students prepare a theatrical production for presentation during the summer.

<b>4221 THR212-1</b>	<b>TBA</b>		<b>15-week</b>
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## J-Term/Spring Semester Dates

J-Term	1/3-1/18	13-week session	2/6-5/13
Spring		2nd 5-week session	2/27-4/8
15-week session	1/23-5/12	2nd 7-week session	3/20-5/12
1st 8-week session	1/23-3/18	2nd 7-week Saturday session	3/25-5/13
1st 7-week session	1/23-3/11	2nd 8-week session	3/13-5/13
1st 5-week session	1/23-2/25	3rd 5-week session	4/10-5/13
14-week Saturday session	1/28-5/12	10-week session	2/27-5/13
1st 7-week Saturday session	1/28-3/11	Closings & breaks	See page 1



# 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.

## Online and Hybrid Orientation

**January 19 at 6pm**

**Room E-126**

*No registration necessary.*

Learn about the special demands of online learning, meet with faculty, and preview an actual online course. ***Students will need to contact the Distributed Learning office for permission to register in an online section after the 2nd day of classes.***





Spring

# 2017

## Online & Hybrid 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 2nd day of classes.**

### 15-week

#### ACCT: Accounting

ACCT101 - Principles of Accounting I (3) 3134 ACCT101-ONL1	ONLINE
ACCT102 - Principles of Accounting II (3) 3140 ACCT102-ONL1	ONLINE
ACCT202 - Intermediate Accounting II (4) 3143 ACCT202-HYB1 M 5pm - 7:05pm	HYBRID
ACCT214 - Auditing (3) 3145 ACCT214-HYB1 W 5pm - 7:30pm	HYBRID
ACCT233 - Applied Accounting (3) 3146 ACCT233-HYB1 Tu 5pm - 6:15pm	HYBRID

#### AN: Anthropology

AN101 - Introduction to Anthropology (3) 3433 AN101-ONL1	ONLINE
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#### AR: Art

AR100 - Introduction to the Creative Arts (3) 3752 AR100-ONL1	ONLINE
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#### ASLS: American Sign Language Studies

ASLS106 - Introduction to the Deaf Community (3) 3808 ASLS106-ONL1	ONLINE
ASLS107 - Introduction to Deaf History (3) 3809 ASLS107-ONL1	ONLINE
ASLS206 - American Deaf Culture (3) 3812 ASLS206-HYB1 Tu 5:30pm - 8:05pm	HYBRID

#### BI: Biological Science

BI100 - Fundamental Concepts of Biology (4) 3306 BI100-HYBC	HYBRID
3307 BI100-HYBB Tu 11am - 1:30pm	HYBRID

BI130 - Forensic Biology (4) 4063 BI130-ONL1	ONLINE
BI220 - Cell Biology and Tissue Culture (4) 4283 BI220-HYBB Tu 6pm - 8:30pm	HYBRID
4282 BI220-HYBC	HYBRID

#### BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3) 4284 BPM102-ONL1	ONLINE
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#### BU: Business Studies

BU107 - Business Mathematics (3) 3155 BU107-ONL1	ONLINE
BU110 - Personal Financial Management (3) 3158 BU110-ONL1	ONLINE
BU211 - Business Law I (3) 3160 BU211-ONL1	ONLINE
BU225 - Marketing (3) 3162 BU225-HYB1 Tu 11am-12:15pm	HYBRID
3163 BU225-ONL1	ONLINE
BU227 - Principles of Management (3) 3165 BU227-ONL1	ONLINE
BU273 - Business Communications (3) 3167 BU273-HYB1 Th 11am - 12:15pm	HYBRID
3169 BU273-ONL1	ONLINE
BU274 - Customer Relations (3) 3171 BU274-ONL1	ONLINE
BU275 - Fundamentals of Leadership (3) 3172 BU275-ONL1	ONLINE
BU281 - Global Awareness in the Work Environment (3) 3173 BU281-HYB1 W 12:30pm - 1:45pm	HYBRID
3174 BU281-ONL1	ONLINE

#### BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3) 3003 BU/MA205-ONL1	ONLINE
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#### CH: Chemistry

CH101 - General Chemistry (4) 3385 CH101-ONL1	ONLINE
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#### CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3) 4435 CIS101-HYB3 Tu 5pm - 7:35pm	HYBRID
3201 CIS101-ONL1	ONLINE
3202 CIS101-ONL2	ONLINE
CIS106 - Object Design and Programming (3) 4222 CIS106-HYB1 M 5pm - 6:45pm	HYBRID
3213 CIS106-HYB4 W 6:45pm - 8:30pm	HYBRID
CIS111K - Microcomputer Software Applications: Practical Structured Cabling (3) 4444 CIS111K-HYB1 Th 8pm - 9:15pm	HYBRID
CIS111L - UNIX/Linux Operating System (3) 3218 CIS111L-HYB1 W 5pm - 6:15pm	HYBRID

CIS111M - PC Operating Systems (3)				
3219	CIS111M-HY1L	M	2:30pm - 3:45pm	HYBRID
3220	CIS111M-HY2L	Tu	5pm - 6:15pm	HYBRID
4446	CIS111M-HY3L	W	5pm - 6:15pm	HYBRID
4014	CIS111M-HY4L	Th	3:15pm - 4:30pm	HYBRID

CIS201 - Computer Science I (4)				
3237	CIS201-HYB1	Tu,Th	11am - 12:15pm	HYBRID

CIS202 - Computer Science II (4)				
3239	CIS202-HYB1	M	7pm - 9:15pm	HYBRID

CIS203 - Systems Analysis & Design (3)				
3240	CIS203-HYB1	W	2pm - 3:15pm	HYBRID

CIS212 - PC Repair & Diagnostics (3)				
3243	CIS212-HY1L	M	3:45pm - 5pm	HYBRID
3244	CIS212-HY2L	Tu	6:15pm - 7:30pm	HYBRID
4458	CIS212-HY3L	W	6:15pm - 7:30pm	HYBRID
4018	CIS212-HY4L	Th	4:30pm - 5:45pm	HYBRID

CIS217 - Cybercrime and Digital Forensics Investigation (3)				
3247	CIS217-HYB1	M	5pm - 6:30pm	HYBRID

CIS218 - Information Security & Assurance (3)				
3249	CIS218-HYB1	M	6:45pm - 8:15pm	HYBRID

CIS219 - Ethical Hacking and Systems Defense (3)				
3250	CIS219-HYB1	W	6:30pm - 7:45pm	HYBRID

CIS223 - Cloud Security (3)				
3253	CIS223-HYB1	W	8pm - 9:15pm	HYBRID

## CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)				
3815	CMM101-ONL1			ONLINE

CMM103 - Introduction to Film (3)				
3820	CMM103-ONL1			ONLINE

## CMSP: Communications Speech

CMSP103 - Speech Fundamentals (3)				
3851	CMSP103-ONL1		W	ONLINE

CMSP107 - Career Communication (3)				
3869	CMSP107-ONL1		Sat	ONLINE

## CON: Construction Management

CON101 - Introduction to Construction Management (3)				
3255	CON101-ONL1			ONLINE

## EC: Economics

EC201 - Principles of Economics (3)				
3265	EC201-ONL1			ONLINE

EC202 - Principles of Economics (3)				
3271	EC202-ONL1			ONLINE

## ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)				
3442	ECD101-ONL1			ONLINE

ECD106 - Infants & Toddlers Development and Care (3)				
3444	ECD106-HYB1	W	7:45pm - 9pm	HYBRID

ECD107 - Child Health, Safety and Nutrition (3)				
4035	ECD107-ONL1			ONLINE

## ED: Education

ED102 - Schools and Society (3)				
3451	ED102-ONL1			ONLINE

ED202 - Educational Psychology (3)				
3453	ED202-ONL1			ONLINE

ED203 - Foundations of Special Education (3)				
3455	ED203-ONL1			ONLINE

ED214 - Processes and Acquisition of Reading (3)				
3457	ED214-ONL1			ONLINE

## ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)				
3464	ED/PS208-ONL1			ONLINE

## EM: Emergency Management

EM104 - Disaster Response and Recovery (3)				
4353	EM104-ONL1			ONLINE

EM106 - Mitigation and Hazard Management (3)				
4354	EM106-ONL1			ONLINE

EM110 - Federal Emergency Management (3)				
4355	EM110-ONL1			ONLINE

## EN: English

EN101 - English Composition (3)				
3700	EN101-ONL1			ONLINE
3701	EN101-ONL2			ONLINE

EN102 - English Composition and Literature (3)				
3734	EN102-ONL1			ONLINE
3735	EN102-ONL2			ONLINE

EN115 - Technical Writing (3)				
4564	EN115-ONL1			ONLINE

EN216 - The Short Story (3)				
3742	EN216-ONL1			ONLINE

## GG: Geography

GG101 - Elements of Geography (3)				
3468	GG101-ONL1			ONLINE

GG102 - Cultural Geography (3)				
3471	GG102-ONL1			ONLINE

## HE: Health Education

HE102 - Nutrition in a Changing World (3)				
3573	HE102-ONL1			ONLINE
3574	HE102-ONL2			ONLINE

HE201 - Stress Management (3)				
3587	HE201-ONL1			ONLINE
3588	HE201-ONL2			ONLINE

HE204 - Health Education (3)				
3589	HE204-HYB1	M	2pm - 3:30pm	HYBRID
3593	HE204-ONL1			ONLINE

## HI: History

HI201 - History of the United States (3) 3481 HI201-ONL1	📱	ONLINE
HI202 - History of the United States (3) 4281 HI202-ONL1	📱	ONLINE

## HS: Human Services

HS102 - Human Relations (3) 3496 HS102-ONL1	📱	ONLINE	
HS204 - Ethics & Practice Issues in the Human Services (1) 3500 HS204-HYB1	F	1:30pm - 3:30pm	HYBRID
HS205 - Fundamentals of Addictions (3) 3501 HS205-ONL1	📱	ONLINE	

## ID: Interdisciplinary Studies

ID209 - Ethnic Diversity (3) 3505 ID209-ONL1	📱	ONLINE	
ID225 - Disaster, Crisis and Emergency Management (3) 4083 ID225-ONL1	📱	ONLINE	
ID250 - Global Scholar Experience (3) 4532 ID250-HYB1	F	9:30am - 10:45am	HYBRID

## LA: Paralegal

LA105 - Torts (3) 3509 LA105-ONL1	📱	ONLINE	
LA110 - Legal Research (3) 4321 LA110-HYB1	Tu	6pm - 8:35pm	HYBRID

## LF: French

LF101 - Introductory French I (3) 3873 LF101-ONL1	📱	ONLINE
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## LS: Spanish

LS101 - Introductory Spanish I (3) 3885 LS101-ONL1	📱	ONLINE
LS102 - Introductory Spanish II (3) 3887 LS102-ONL1	📱	ONLINE

## MA: Mathematics

MA82 - Intermediate Algebra (0) [4] 3025 MA82-HYB1	F	9am - 10:40am	HYBRID
MA103 - Foundations of Mathematics (3) 3038 MA103-ONL1	📱	ONLINE	
MA111 - Precalculus (4) 3051 MA111-ONL1	📱	ONLINE	
MA201 - Applied Calculus (3) 4278 MA201-ONL1	📱	ONLINE	
MA206 - Elementary Statistics (3) 3072 MA206-ONL1	📱	ONLINE	
MA207 - Elementary Statistics with Probability (4) 3075 MA207-HYB1	M	5pm - 6:40pm	HYBRID
MA210 - Calculus I (4) 3080 MA210-ONL1	📱	ONLINE	

## MDA: Medical Assisting

MDA109 - Medical Terminology (3) 3276 MDA109-HYB1	Th	9:30am - 10:45am	HYBRID
3277 MDA109-HYB2	Th	2pm - 3:15pm	HYBRID
3279 MDA109-ONL1	📱	ONLINE	
MDA216 - Medical Coding Basics (3) 4325 MDA216-ONL1	📱	ONLINE	
MDA222 - Introduction to Federal Healthcare Programs and Laws (3) 4327 MDA222-ONL1	📱	ONLINE	

## MU: Music

MU101 - Introduction to Music History and Appreciation (3) 3891 MU101-ONL1	📱	ONLINE
MU103 - Fundamentals of Music (3) 3894 MU103-ONL1	📱	ONLINE
MU108 - Survey of World Music (3) 3898 MU108-ONL1	📱	ONLINE
MU109 - History of American Popular Music (3) 3900 MU109-ONL1	📱	ONLINE

## PC: Physical Science

PC103 - Elements of Physical Science (3) 3403 PC103-ONL1	📱	ONLINE
PC104 - The Water Planet: Introduction to Oceanography (3) 3404 PC104-ONL1	📱	ONLINE
PC106 - Introduction to Meteorology (4) 3406 PC106-ONL1	📱	ONLINE
PC107 - Introductory Astronomy (4) 3411 PC107-ONL1	📱	ONLINE
PC115 - Introduction to Geoscience (4) 3419 PC115-ONL1	📱	ONLINE

## PH: Philosophy

PH204 - World Religions (3) 3969 PH204-ONL1	📱	ONLINE	
PH206 - Logic (3) 3972 PH206-ONL1	📱	ONLINE	
PH207 - Biomedical Ethics (3) 3973 PH207-ONL1	📱	ONLINE	
PH208 - Business Ethics (3) 3974 PH208-HYB1	M	6pm - 7:15pm	HYBRID
3975 PH208-ONL1	📱	ONLINE	

## PI: Political Science

PI104 - American Government: National (3) 3515 PI104-ONL1	📱	ONLINE
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## PS: Psychology

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PS101 - General Psychology (3) 3530 PS101-ONL1	📍	ONLINE
PS202 - Social Psychology (3) 3538 PS202-ONL1	📍	ONLINE
PS206 - Abnormal Psychology (3) 3543 PS206-ONL1	📍	ONLINE
PS209 - Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3) 4254 PS209-HYB1	M	6pm - 7:30pm HYBRID

## SO: Sociology

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SO101 - Introduction to Sociology (3) 3558 SO101-ONL1	📍	ONLINE
SO102 - Social Problems (3) 3562 SO102-ONL1	📍	ONLINE

## 1st 8-week

### ECD: Early Childhood Development

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ECD230 - Language & Literacy Development in Early Childhood (3) 4036 ECD230-ONL1	📍	ONLINE
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### EN: English

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EN101 - English Composition (3) 3702 EN101-ONL3	📍	ONLINE
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### HE: Health Education

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HE102 - Nutrition in a Changing World (3) 3575 HE102-ONL3	📍	ONLINE
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## 1st 7-week

### ACCT: Accounting

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ACCT101 - Principles of Accounting I (3) 3133 ACCT101-HYB1	Tu	6pm - 8:35pm HYBRID
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### BLD: Building Trades

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BLD101 - Introduction to Building Trades (3) 4232 BLD101-HYB1	Tu	6pm - 8:30pm HYBRID
BLD109 - Fundamentals of HVACR (4) 3090 BLD109-HYB1	M,W	6pm - 9pm HYBRID
BLD113 - HVAC Installation & Troubleshooting (3) 3092 BLD113-HYB1	Tu,Th	6pm - 8:30pm HYBRID
BLD141 - Fundamentals of Structural Wiring (4) 4003 BLD141-HYB1	Tu,Th	6pm - 9pm HYBRID
BLD145 - Commercial Electric (3) 3101 BLD145-HYB1	M,W	6pm - 8:30pm HYBRID

## BU: Business Studies

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BU103 - Introduction to Business (3) 3152 BU103-HYB2	Tu	6pm - 8:35pm HYBRID
3154 BU103-ONL1	📍	ONLINE
BU109 - Entrepreneurship & Small Business Enterprise (3) 3157 BU109-HYB1	M	6pm - 8:35pm HYBRID
BU211 - Business Law I (3) 4010 BU211-HYB1	Th	6pm - 8:35pm HYBRID
BU290 - Project Management (3) 4431 BU290-HYB1	W	6pm - 8:35pm HYBRID

## CAD: Computer Aided Design

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CAD130 - Introduction to Revit (BIM) (3) 3178 CAD130-HYB1	Th	5pm - 7:35pm HYBRID
CAD201 - Residential Architecture I (4) 3179 CAD201-HYB1	W	5pm - 8:45pm HYBRID

## CIS: Computer and Information Sciences

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CIS175 - Game Theory and Design (3) 4104 CIS175-HYB1	Th	6pm - 8:30pm HYBRID
CIS177 - Interactive 3D Technology (3) 4538 CIS177-HYB1	M	5pm - 7:30pm HYBRID
CIS180 - Networking Fundamentals (3) 3231 CIS180-HYB1	W	9:30am - 11:45am HYBRID
3232 CIS180-HYB2	Tu	6:45pm - 9pm HYBRID
4015 CIS180-ONL1	📍	ONLINE
CIS190 - Cisco 1 Network Fundamentals (3) 3233 CIS190-HYB1	M	5pm - 7:30pm HYBRID
CIS192 - Cisco 3 Switching Technologies (3) 3235 CIS192-ONL1	📍	ONLINE
CIS210 - Data Communications and Networking (3) 4017 CIS210-HYB1	M	6pm - 8:30pm HYBRID
CIS212 - PC Repair & Diagnostics (3) 3246 CIS212-ONLK	📍	ONLINE

## EC: Economics

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EC201 - Principles of Economics (3) 3262 EC201-HYB3	W	5pm - 7:35pm HYBRID
4023 EC201-ONL2	📍	ONLINE

## HOS: Hospitality Culinary Tourism

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HOS110 - Introduction to Hospitality Management (3) 4093 HOS110-HYBM	Tu	6pm - 8:30pm HYBRID
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## LA: Paralegal

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LA105 - Torts 3508 LA105-HYB1	M	6pm - 8:30pm HYBRID
LA120 - Legal Writing and Documents (3) 3510 LA120-HYB1	M	6pm - 8:30pm HYBRID



## MDA: Medical Assisting

MDA107 - Phlebotomy for Allied Health Professionals (1)			
4329	MDA107-HYB1	M	6pm - 7:15pm HYBRID
MDA109 - Medical Terminology (3)			
3278	MDA109-HYB3	W	7:30pm - 9:15pm HYBRID
MDA110 - Pharmacology for Medical Office Practice (3)			
4324	MDA110-HYB1	Th	11am - 1:35pm HYBRID
MDA112 - Medical/Administrative Office Applications (3)			
3281	MDA112-HYB1	W	6pm - 8:35pm HYBRID
MDA216 - Medical Coding Basics (3)			
3285	MDA216-HYB1	Tu	6:30pm - 8:45pm HYBRID
MDA218 - Health Insurance Billing and Reimbursement (3)			
4326	MDA218-ONL1		ONLINE
MDA220 - Electronic Health Records (3)			
3287	MDA220-ONL1		ONLINE

## PE: Physical Education

PE188 - Yoga (3)			
3612	PE188-HYB1	M	6pm - 8:35pm HYBRID
PE237 - Exercise Psychology (1)			
3623	PE237-ONL1		ONLINE

## 1st 5-week

### CIS: Computer and Information Sciences

CIS116F - Microcomputer Software Applications: Computer Fundamentals (1)			
4125	CIS116F-HYB1	Tu	2pm - 3:15pm HYBRID

### MA: Mathematics

MA214 - Introduction to MatLab (1)			
4296	MA214-ONL1		ONLINE

## 1st 7-week Saturday

### ACCT: Accounting

ACCT100 - Business Accounting (3)			
3125	ACCT100-HYB1	Sat	8:30am - 12pm HYBRID

### EC: Economics

EC201 - Principles of Economics (3)			
3263	EC201-HYB1	Sat	9am - 11:35am HYBRID

### ECD: Early Childhood Development

ECD213 - Understanding and Guiding the Young Child's Behavior (3)			
3447	ECD213-HYB1	Sat	9am - 1:15pm HYBRID

### LA: Paralegal

LA100 - Introduction to Law (3)			
3507	LA100-HYB1	Sat	9am - 1:15pm HYBRID

## 13-week

### CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)			
3198	CIS101-HYB2	F	12:30pm - 2pm HYBRID
4434	CIS101-HYB5	Th	5pm - 6:30pm HYBRID
3203	CIS101-ONL3		ONLINE
CIS106 - Object Design and Programming (3)			
4441	CIS106-HYB2	Tu	5pm - 6:30pm HYBRID
3212	CIS106-HYB5	Th	5pm - 6:30pm HYBRID
4442	CIS106-ONL1		ONLINE
CIS111E - Microcomputer Software Applications: Spreadsheets (3)			
3217	CIS111E-ONL1		ONLINE
CIS140 - Java Programming (3)			
3225	CIS140-HYB1	Th	6:45pm - 9pm HYBRID
CIS179 - Cybersecurity Fundamentals (3)			
3230	CIS179-HYB2	M	7pm - 8:30pm HYBRID
CIS201 - Computer Science I (4)			
3238	CIS201-HYB2	Tu	5pm - 7pm HYBRID
CIS222 - Computer Organization (4)			
3252	CIS222-HYB1	Tu	7:15pm - 8:30pm HYBRID
CIS226 - Game Scripting (3)			
3254	CIS226-HYB1	W	5pm - 6:30pm HYBRID
CIS228 - Simulation and Game Development (4)			
4462	CIS228-HYB1	Tu	5pm - 7pm HYBRID

### CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)			
3436	CJ101-ONL1		ONLINE

### PS: Psychology

PS101 - General Psychology (3)			
3532	PS101-ONL2		ONLINE

### SO: Sociology

SO101 - Introduction to Sociology (3)			
4224	SO101-ONL2		ONLINE
SO102 - Social Problems (3)			
4253	SO102-ONL2		ONLINE
SO201 - Criminology (3)			
3565	SO201-ONL1		ONLINE

## 2nd 7-week

### ACCT: Accounting

ACCT102 - Principles of Accounting II (3)			
3139	ACCT102-HYB1	Tu	6pm - 8:35pm HYBRID

### AR: Art

AR104 - Survey of Art I (3)			
3760	AR104-ONL1		ONLINE

## BLD: Building Trades

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BLD101 - Introduction to Building Trades (3)				
4511	BLD101-HYB2	Tu	6pm - 8:30pm	HYBRID
BLD110 - Controls for HVACR (3)				
3091	BLD110-HYB1	M,W	6pm - 8:30pm	HYBRID
BLD114 - Fossil Fuels & Hydronic Heating (3)				
3093	BLD114-HYB1	Tu,Th	6pm - 8:30pm	HYBRID
BLD142 - Residential Electric (3)				
4249	BLD142-HYB2	Tu,Th	6pm - 8:30pm	HYBRID
BLD146 - Specialized Systems (3)				
3102	BLD146-HYB1	M,W	6pm - 8:30pm	HYBRID

## BPM: Bioprocessing Technology

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BPM110 - Bioprocessing Measurements (4)				
4306	BPM110-HYBC			HYBRID
4307	BPM110-HYBB	M,W	10:30am - 1:20pm	HYBRID

## BU: Business Studies

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BU103 - Introduction to Business (3)				
3151	BU103-HYB1	F	9:30am - 12:05pm	HYBRID
3153	BU103-HYB3	Tu	6pm - 8:35pm	HYBRID
4009	BU103-ONL2			ONLINE
BU109 - Entrepreneurship & Small Business Enterprise (3)				
4024	BU109-ONL1			ONLINE
BU227 - Principles of Management (3)				
4011	BU227-HYB1	Th	6pm - 8:35pm	HYBRID
BU272 - Supervisory Management (3)				
3166	BU272-HYB1	W	6pm - 8:35pm	HYBRID
BU273 - Business Communications (3)				
3168	BU273-HYB2	Tu	6pm - 8:35pm	HYBRID

## CAD: Computer Aided Design

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CAD101 - Introduction to AutoCAD I (3)				
3176	CAD101-HYB1	Th	5pm - 7:35pm	HYBRID
CAD202 - Residential Architecture II (4)				
4558	CAD202-HYB1	W	5pm - 8:45pm	HYBRID
CAD204 - Introduction to Inventor (3)				
3180	CAD204-HYB1	Th	5pm - 7:35pm	HYBRID

## CIS: Computer and Information Sciences

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CIS101 - Information Systems and Technology (3)				
3205	CIS101-ONL5			ONLINE
CIS111M - PC Operating Systems (3)				
3222	CIS111M-ONLK			ONLINE
CIS170 - Security Fundamentals (3)				
3226	CIS170-HYB1	W	9:30am - 11:45am	HYBRID
3227	CIS170-HYB2	Tu	6:45pm - 9pm	HYBRID
4447	CIS170-ONL1			ONLINE
CIS173 - Healthcare Information Technology (3)				
3228	CIS173-ONL1			ONLINE
CIS176 - Game Creation (3)				
4105	CIS176-HYB1	Th	6pm - 8:30pm	HYBRID
CIS178 - 3D Modeling and Animation (3)				
4539	CIS178-HYB1	M	5pm - 7:30pm	HYBRID

CIS191 - Cisco 2 Routing Technologies (3)				
3234	CIS191-HYB1	M	5pm - 7:30pm	HYBRID
CIS193 - Cisco 4 WAN Technologies (3)				
3236	CIS193-ONL1			ONLINE
CIS224 - Wireless Communications (3)				
4460	CIS224-HYB1	M	6pm - 8:30pm	HYBRID

## EC: Economics

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EC201 - Principles of Economics (3)				
3264	EC201-HYB2	M	5pm - 7:35pm	HYBRID
EC202 - Principles of Economics (3)				
3269	EC202-HYB2	W	5pm - 7:35pm	HYBRID

## ECD: Early Childhood Development

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ECD104 - Activities I for Children (3)				
3443	ECD104-HYB1	M	6pm - 8:30pm	HYBRID

## HE: Health Education

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HE110 - Nutrition Basics (1)				
3579	HE110-ONL1			ONLINE

## HOS: Hospitality Culinary Tourism

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HOS123 - Purchasing & Cost Control (3)				
4099	HOS123-HYBM	Tu	6pm - 8:30pm	HYBRID

## MDA: Medical Assisting

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MDA108 - Basic Medical Terminology (1)				
3275	MDA108-HYB1	Tu	11am - 12:15pm	HYBRID
MDA109 - Medical Terminology (3)				
4225	MDA109-ONL2			ONLINE
MDA110 - Pharmacology for Medical Office Practice (3)				
3280	MDA110-ONL1			ONLINE
MDA112 - Medical/Administrative Office Applications (3)				
3282	MDA112-ONL1			ONLINE
MDA115 - Phlebotomy Skills (3)				
4328	MDA115-HYB1	W	6pm - 8:30pm	HYBRID
MDA218 - Health Insurance Billing and Reimbursement (3)				
3286	MDA218-HYB1	Tu	6:30pm - 8:45pm	HYBRID
MDA220 - Electronic Health Records (3)				
3288	MDA220-ONL2			ONLINE

## PE: Physical Education

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PE188 - Yoga (3)				
3613	PE188-HYB2	Tu	6pm - 8:35pm	HYBRID

## LA: Paralegal

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LA240 - Family Law (3)				
3512	LA240-HYB1	W	6pm - 8:30pm	HYBRID

## 2nd 7-week Saturday

### ACCT: Accounting

ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)  
3141 ACCT111-HYB1 Sat 8:30am - 12pm HYBRID

### EC: Economics

EC202 - Principles of Economics (3)  
3270 EC202-HYB1 Sat 9am - 11:35am HYBRID

### ECD: Early Childhood Development

ECD212 - Administration of Child Development Centers (3)  
3446 ECD212-HYB1 Sat 9am - 1:15pm HYBRID

### LA: Paralegal

LA220 - Evidence and Procedure (Civil) (3)  
4229 LA220-HYB1 Sat 9am - 1:15pm HYBRID

## 2nd 8-week

### CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)  
3816 CMM101-ONL2 ONLINE

CMM103 - Introduction to Film (3)  
4173 CMM103-ONL2 ONLINE

### ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)  
3466 ED/PS208-ONL2 ONLINE

### EN: English

EN101 - English Composition (3)  
3703 EN101-ONL4 ONLINE

### HE: Health Education

HE102 - Nutrition in a Changing World (3)  
3576 HE102-ONL4 ONLINE

### PH: Philosophy

PH101 - Introduction to Philosophy (3)  
3966 PH101-ONL1 ONLINE

### PS: Psychology

PS101 - General Psychology (3)  
4033 PS101-ONL3 ONLINE

## 3rd 5-week

### CIS: Computer and Information Sciences

CIS116E - MS Applications Spreadsheets (1)  
3224 CIS116E-ONL1 ONLINE

CIS116F - Microcomputer Software Applications: Computer Fundamentals (1)  
4126 CIS116F-ONL1 ONLINE

## 10-week

### CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)  
4438 CIS101-HYB1 Tu,Th 2pm - 3:15pm HYBRID  
3199 CIS101-HYB4 Tu 7:45pm - 9:15pm HYBRID  
3200 CIS101-HYB6 Th 6:45pm - 8:45pm HYBRID  
3204 CIS101-ONL4 ONLINE

CIS106 - Object Design and Programming (3)  
4440 CIS106-HYB3 Tu 6:45pm - 9pm HYBRID

CIS111B - Microcomputer Software Applications: Database (3)  
3214 CIS111B-HYB1 W 12:30pm - 2pm HYBRID

CIS111E - Microcomputer Software Applications: Spreadsheets (3)  
4534 CIS111E-HYB1 Tu,Th 12:30pm - 1:45pm HYBRID  
3215 CIS111E-HYB2 W 7:45pm - 9pm HYBRID

CIS111J - Microcomputer Software Applications: Web Page Development (3)  
4443 CIS111J-HYB1 W 7:15pm - 9:15pm HYBRID

CIS111L - UNIX/Linux Operating System (3)  
4445 CIS111L-ONL1 ONLINE

CIS111R - Business Software Applications (3)  
3223 CIS111R-ONL1 ONLINE

CIS179 - Cybersecurity Fundamentals (3)  
3229 CIS179-HYB1 M 12:30pm - 2pm HYBRID  
4208 CIS179-ONL1 ONLINE

CIS203 - Systems Analysis & Design (3)  
3241 CIS203-ONL1 ONLINE

CIS204 - Computer & Information Sciences Project (3)  
3242 CIS204-ONL1 ONLINE

CIS208 - C++ Programming (3)  
4016 CIS208-HYB1 Th 5pm - 8pm HYBRID

CIS217 - Cybercrime and Digital Forensics Investigation (3)  
3248 CIS217-ONL1 ONLINE

CIS218 - Information Security & Assurance (3)  
4020 CIS218-ONL1 ONLINE

CIS219 - Ethical Hacking and Systems Defense (3)  
4459 CIS219-ONL1 ONLINE

CIS223 - Cloud Security (3)  
4021 CIS223-ONL1 ONLINE

CIS227 - Game Programming (4)  
4461 CIS227-HYB1 W 6:45pm - 9pm HYBRID

CIS230 - Database Management Systems (3)  
4022 CIS230-HYB1 M 5pm - 7pm HYBRID

## Location Key

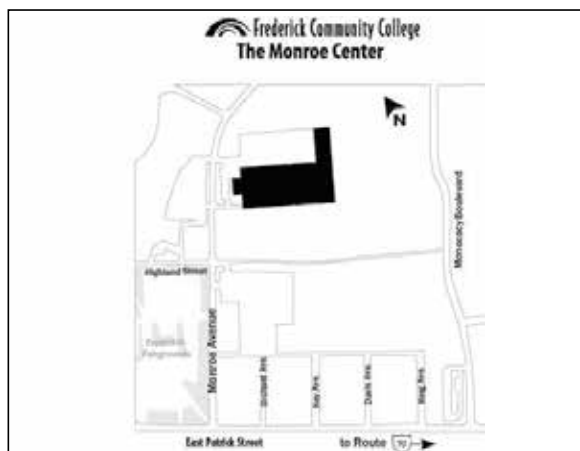
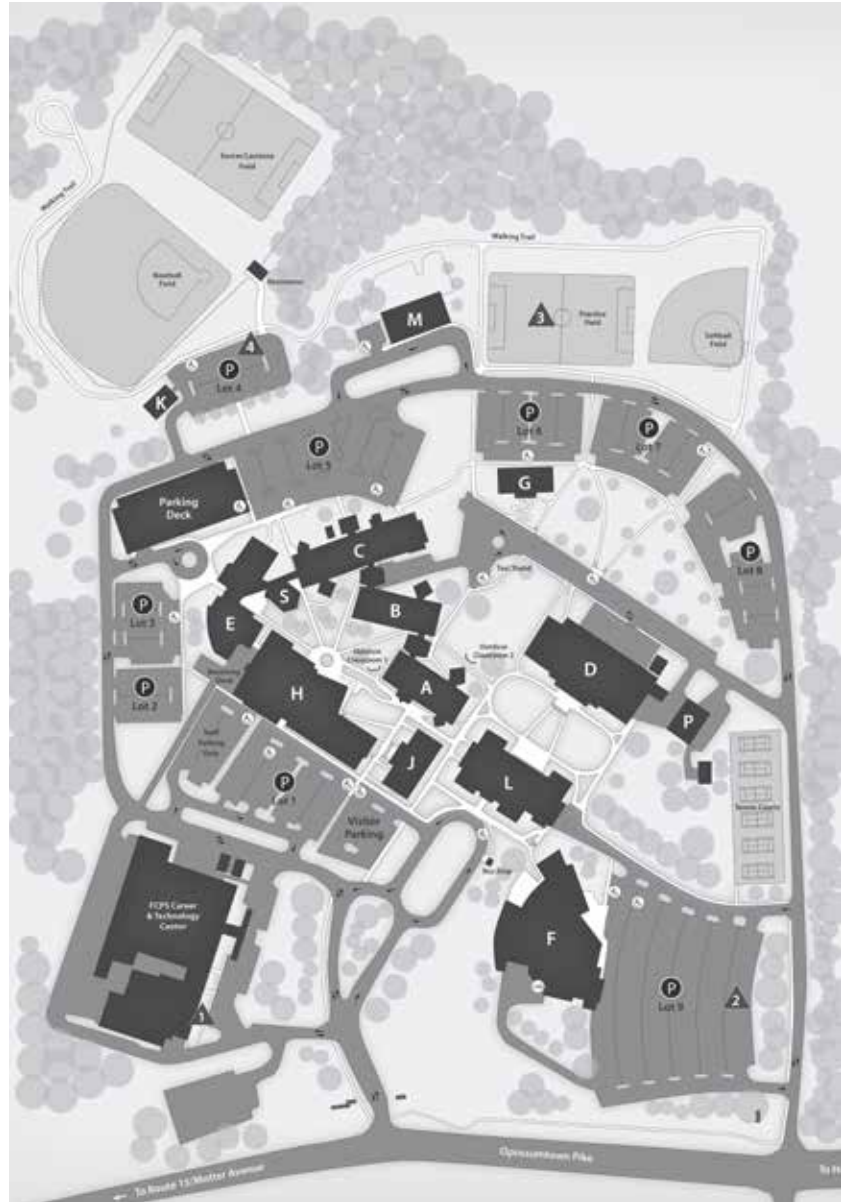
FCC classes are held on campus, at The Monroe Center, online, and offsite at various locations throughout the community and surrounding areas.

### Campus Locations

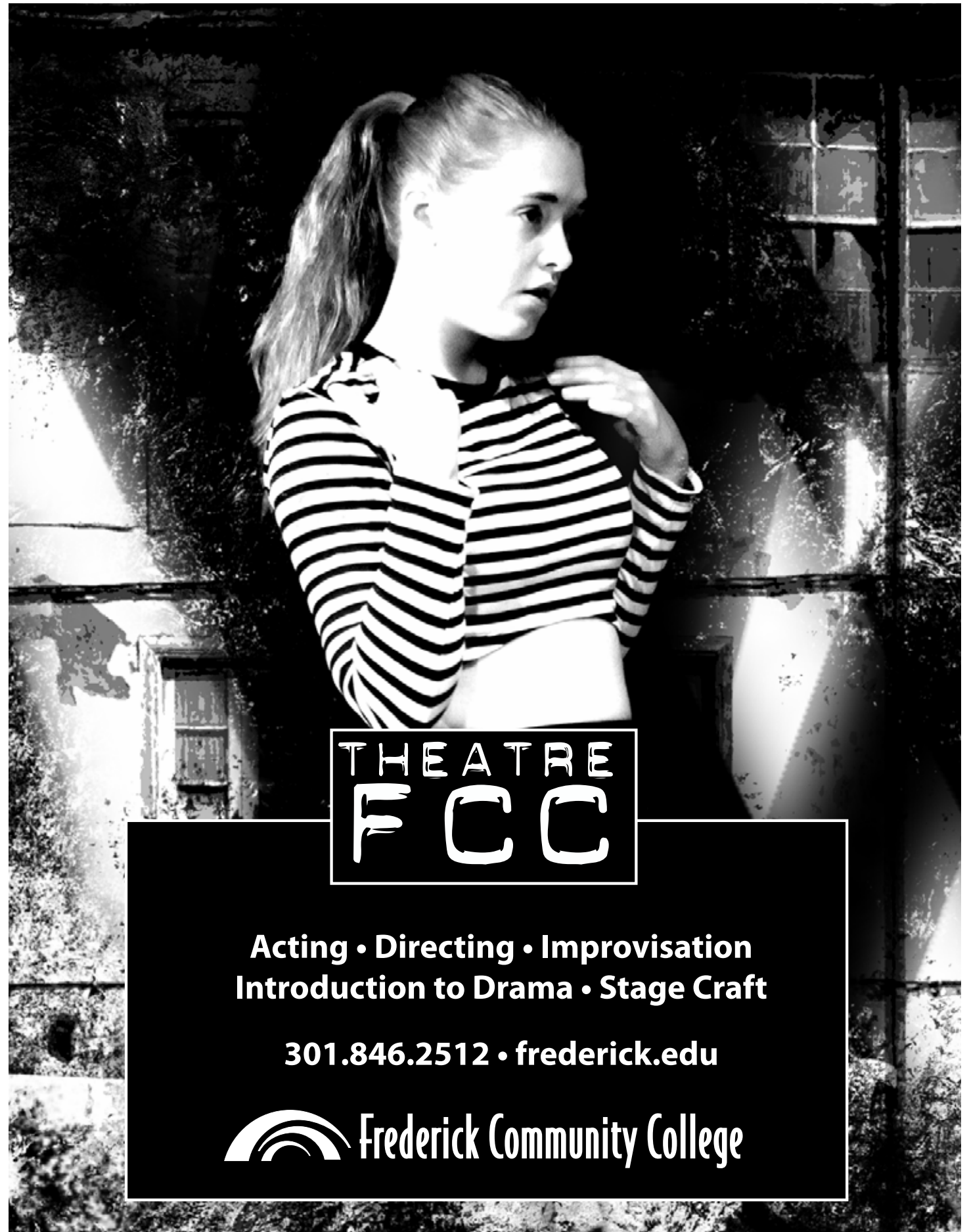
- A—Annapolis Hall
- B—Braddock Hall
- C—Catoctin Hall
- D—Athletics Center
- E—Conference Center
- F—Visual & Performing Arts Center
- G—Gambrill Hall
- H—Student Center
- J—Jefferson Hall
- L—Linganore Hall
- P—Plant Operations
- SH—Sweadner Hall
- K—Mercer-Akre Kiln

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