



Frederick Community College

2018 J-TERM/SPRING CREDIT SCHEDULE





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Hours of Operation

Enrollment Services

(J Building)

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

Monday–Thursday, 8:30am – 7pm

Friday, 8:30am – 4:30pm

Saturday, January 27, 10am – 2pm

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

(A Building, first floor)

Monday, 8:30am – 7pm

Tuesday–Friday, 8:30am – 4:30pm

Student Center

(H Building, first floor)

Multicultural Student Services

Monday–Friday, 8:30am – 4:30pm

Bookstore

Monday–Thursday, 8:30am – 6pm

Friday, 8:30am – 4:30pm

The Testing Center

(L Building, first floor)

Monday–Thursday, 8:30am – 7pm

Friday, 8:30am – 4:30pm

Saturday, 9am – noon

Frederick Community College prohibits discrimination against any person on the basis of age, ancestry, citizenship status, color, creed, ethnicity, gender identity and expression, genetic information, marital status, mental or physical disability, national origin, race, religious affiliation, sex, sexual orientation, or veteran status in its activities, admissions, educational programs, and employment. Frederick Community College makes every effort to accommodate individuals with disabilities for College-sponsored events and programs. If you have accommodation needs, please call 301.846.2408. To request a sign language interpreter, please call 240.629.7819 or 301.846.2408 (Voice) or email Interpreting@frederick.edu. 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

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Academic Sessions

Registration opens November 6

Important Dates	
Dr. Martin Luther King, Jr. Day – College Holiday	January 15
No classes, College open	March 26-27
Spring Break	March 28-31
Classes Resume	April 2

Important Deadlines

Graduation Deadlines

Last day to apply for:

December 2017 graduation..... December 15, 2017

January 2018 graduation January 15, 2018

May 2018 graduation.....April 15, 2018

Incomplete Grade Deadlines

Fall 2017 "I" grades to F..... February 7, 2018

J-Term 2018 "I" grades to F February 19, 2018

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 24

Spring Semester

January 29-May 18

15-week

First day of session January 29

Last day to add..... February 2

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

Last day 50%..... February 8

Last day to withdraw April 14

Last day of session..... May 18

Grades due (10 a.m.)..... May 23

1st 8-week

First day of session January 29

Last day to add..... January 31

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

Last day 50%..... February 8

Last day to withdraw March 6

Last day of session..... March 23

Grades due (10 a.m.)..... March 26

1st 5-week

First day of session January 29

Last day to add..... January 30

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

Last day 50%..... February 8

Last day to withdraw February 20

Last day of session..... March 2

Grades due (10 a.m.)..... March 5

1st 10-week

First day of session January 29

Last day to add..... February 1

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

Last day 50%..... February 8

Last day to withdraw March 15

Last day of session..... April 13

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

1st 7-week

First day of session January 29

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 16

Grades due (10 a.m.)..... March 19

14-week • Saturday

First day of session February 3

Last day to add..... February 9

Last day 100% refund..... February 9

Last day 50%..... February 14

Last day to withdraw April 20

Last day of session..... May 12

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

1st 7-week • Saturday

First day of session February 3

Last day to add..... February 6

Last day 100% refund..... February 8

Last day 50%..... February 14

Last day to withdraw March 7

Last day of session..... March 17

Grades due (10 a.m.)..... March 21

13-week

First day of session February 12

Last day to add..... February 16

Last day 100% refund..... February 16

Last day 50%..... February 23

Last day to withdraw April 19

Last day of session..... May 17

Grades due (10 a.m.)..... May 21

2nd 5-week

First day of session March 5

Last day to add..... March 6

Last day 100% refund..... March 9

Last day 50%..... March 15

Last day to withdraw April 3

Last day of session..... April 13

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

2nd 10-week

First day of session March 5

Last day to add..... March 8

Last day 100% refund..... March 9

Last day 50%..... March 15

Last day to withdraw April 26

Last day of session..... May 18

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

2nd 7-week • Saturday

First day of session March 24

Last day to add..... March 27

Last day 100% refund..... March 29

Last day 50%..... April 4

Last day to withdraw April 25

Last day of session..... May 12

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

2nd 7-week

First day of session April 2

Last day to add..... April 4

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

Last day 50%..... April 13

Last day to withdraw May 3

Last day of session..... May 18

Grades due (10 a.m.)..... May 21

2nd 8-week

First day of session March 19

Last day to add..... March 21

Last day 100% refund..... March 23

Last day 50%..... April 5

Last day to withdraw May 1

Last day of session..... May 18

Grades due (10 a.m.)..... May 23

3rd 5-week

First day of session April 16

Last day to add..... April 17

Last day 100% refund..... April 20

Last day 50%..... April 26

Last day to withdraw May 8

Last day of session..... May 18

Grades due (10 a.m.)..... May 21

Tuition & Fees

Our College is dedicated to providing quality education, superior resources, and affordable tuition. FCC tuition and fees for a full-time (12 credit) in-county student amount to approximately \$3,500 per year. By comparison, the College Board reports the national average for tuition and fees exceeds \$9,000 at public four-year colleges and averages \$31,000 at private schools. With high academic standards and affordable tuition rates, FCC is a wise choice for higher education.

Spring 2018 Tuition & Fees Chart *

Credits	In-County	Out-of-County	Out-of-State
1	\$147.24	\$289.24	\$382.24
2	\$294.48	\$578.48	\$764.48
3	\$441.72	\$867.72	\$1,146.72
4	\$588.96	\$1,156.96	\$1,528.96
5	\$736.20	\$1,446.20	\$1,911.20
6	\$883.44	\$1,735.44	\$2,293.44
7	\$1,030.68	\$2,024.68	\$2,675.68
8	\$1,177.92	\$2,313.92	\$3,057.92
9	\$1,325.16	\$2,603.16	\$3,440.16
10	\$1,472.40	\$2,892.40	\$3,822.40
11	\$1,619.64	\$3,181.64	\$4,204.64
12	\$1,766.88	\$3,470.88	\$4,586.88
13	\$1,914.12	\$3,760.12	\$4,969.12
14	\$2,061.36	\$4,049.36	\$5,351.36
15	\$2,208.60	\$4,338.60	\$5,733.60
16	\$2,355.84	\$4,627.84	\$6,115.84

* Tuition and fees rates are subject to change.

Tuition and fees*

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

Consolidated Service Fee (\$24):

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

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

Fees**

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

Surgical Technology Fees

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

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

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



How to avoid the Drop Zone.

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

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

- December 8, 2017, 4:30pm
- January 3, 2018, 4:30pm

Spring payment dates:

- January 19, 2018, 4:30pm
- January 26, 2018, 4:30pm

Automatic Payment Plan

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

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

Spring 2018 Target Dates To Enroll

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

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

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

FCC partners with BankMobile to issue refunds electronically



Look for this BankMobile envelope to select your refund preference

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

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

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

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

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

For more information: www.refundselection.com

How to Apply & Register

Please monitor your myFCC email for updates from the College.

New Students

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

1) Apply to the College

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

Or

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

2) Prepare for registration

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

Academic Assessment and Placement Policy and Procedures

I. Philosophy and Scope

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

II. Definitions for the Purpose of this Policy and Procedures

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

III. Placement Testing Requirements

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

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

IV. Placement Guidelines

- A. Unless otherwise indicated, placement scores are determined using Accuplacer academic assessments.
- B. Placement scores will be valid for two years after the date of taking the placement tests.
- C. Minimum placements scores, also known as cut scores, have been determined for college-readiness in reading, writing, and mathematics.
- D. Non-native English speakers and some world English speakers will take the Level of English Proficiency (LOEP) test to determine reading and writing placement scores.
- E. Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing the required placement tests.
- F. Unless outlined in the exemptions and exceptions, high school grades alone do not determine placement.
- G. Individuals are permitted to retest only one time per assessment, no sooner than twenty-four (24) hours after the initial test.
- H. Students who are continuously enrolled will not be permitted to retest once enrolled in their developmental course requirements.
- I. Readmitted students must either retest or complete the developmental requirements as stipulated in the academic catalog.

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

V. Prerequisites

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

VI. Exceptions and Exemptions to Required Placement Testing

- A. Individuals who transfer from accredited institutions of higher education who present unofficial transcripts indicating successful completion (2.00 GPA or higher) of the equivalent of at least twelve (12) college credits will be exempted from the reading placement test if six (6) credits are general education courses.
- B. Individuals will be exempted from the reading and writing placement tests if they provide evidence of successfully completing:
1. The equivalent of FCC course EN 101 at an accredited U.S. institution or credit through DSST, or CLEP.
 2. The Advanced Placement (AP) test with a score of 3 or higher in English Language and Composition or English Literature and Composition. AP test scores are valid for five years.
 3. The International Baccalaureate (IB) exams with a grade of four (4) or above in one or more of the following exams: Language A Literature SL or HL, and/or Language A: Language & Literature SL or HL. IB test scores are valid for five years.
 4. English 10 or 11 PARCC score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.
 5. The GED English Reasoning Through Language Arts test with a score of 165 or higher.
- C. Individuals will be exempted from the math placement tests if they provide evidence of successfully completing:
1. A general education math course, at the level of college algebra or higher, at an accredited U.S. institution or credit through DSST or CLEP.
 2. The Advanced Placement (AP) test with a score of 3 or higher in Calculus AB, Calculus BC, or Statistics. AP test scores are valid for five years.

3. The International Baccalaureate (IB) exams with a grade of 4 or above on one or more of the following exams: Mathematical Studies, Mathematics SL or HL and/or Further Math. IB test scores are valid for 5 years.

4. Algebra II PARCC score of Level 4 or 5. This score is valid for one year after an individual's date of high school graduation.

5. The GED Mathematical Reasoning test with a score of 165 or higher.

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

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

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

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

1. Individuals with an SAT Mathematics score of 530 or above are exempted from math placement testing.

2. Individuals with an ACT Mathematics score of 21 or above are exempted from math placement testing.

3. Individuals with an SAT Evidence-based Reading & Writing score of 480 or a Critical Reading score of 500 or above are exempted from reading and writing placement testing.

4. Individuals with an ACT reading score of 21 or greater average on the English Test & Reading Test scores are exempt from the reading and writing placement testing.

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

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

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

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

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

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

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

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

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

3) Meet with an advisor

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

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

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

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

Three steps to ROAR:

- An online orientation featuring videos with current FCC students telling you exactly what you need to know about attending college
- An on-campus meeting with an Academic Advisor to help you develop your academic and career plan
- A registration lab where you'll learn how to enroll yourself into classes

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

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

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

Readmit Students

If you've attended FCC before, but not since the Spring 2015 semester, complete the admissions application and select "Readmit" under Classification. You may have to submit proof of residency. You will follow the requirements of the current catalog year.

Current Students

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

- Students who are advised by Multicultural Student Services (301.846.2531), Veterans Services (301.624.2836), Office of Adult Services (301.846.2483), or Services for Students with Disabilities (301.846.2408) should make an appointment with their program advisor.
- Students with declared majors (such as business, education, criminal justice, etc.) should meet with their faculty advisor. Faculty advisors' names and contact information can be found on page 12 and on the Counseling & Advising Office Web page at <http://www.frederick.edu/student-resources/counseling-advising/advisor-list.aspx>.
- General studies, undecided, and nursing (pre-clinical) students should meet with an advisor from the Counseling & Advising Office. During registration, the Counseling & Advising Office offers same day walk-in advising service – no appointment necessary! Just stop by J-201 (Jefferson Hall).
- Students on academic alert or academic probation must meet with an advisor from Counseling & Advising Office, Multicultural Services, Adult Services, Veterans Services, or Services for Students with Disabilities prior to registering for classes.
- Students returning to FCC from academic suspension must meet with an advisor in the Counseling & Advising Office prior to registering for classes. Call 301.846.2471 to schedule an appointment. Students returning from academic dismissal must meet with the AVP, Dean of Students. Call 301.846.2469 to schedule an appointment.

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

2) Register for Classes

On the web or in person

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

Or

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

3) Review your schedule

- Check classroom locations (Some courses are held off site).
- Check course start and end dates (Some courses do not begin at the start of the semester).
- Check to see if you have registered for a linked class. If so, make sure you are registered for both components.
- Print your schedule to be sure you have completed the process correctly.
- If you have registered for an online class, see page 60 for more information about online classes at FCC.

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

Dual Enrollment of High School Aged Students

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

Open Campus

Frederick County Public School Students:

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

Homeschool/Private School Students:

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

High School Based

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

Visiting Students

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

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

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

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

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

Student Services Available Online

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

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

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

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

To find courses needed in your Degree Plan:

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

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

To enroll in courses from your Degree Plan:

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

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

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

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

Making Changes

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

I. Philosophy and Purpose

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

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

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

II. Definitions for the Purpose of this Policy and Procedures

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

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

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

D. In-County:

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

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

E. Out-of-County:

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

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

F. Out-of-State:

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

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

E. Out-of-County:

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

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

F. Out-of-State:

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

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

G. Military personnel and their dependents:

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

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

H. Veterans and their dependents

1. Veterans and their dependents using the Post-9/11 G.I. Bill, Montgomery G.I. Bill or the Marine Gunnery Sergeant John David Fry Scholarship shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes.

a. A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, and enrolls in the College within three years of discharge or release from a period of active duty service of 90 days or more will be granted in-county tuition (regardless of his/her formal State of residence).

b. A dependent using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) and enrolls in the College within three of the transferor's discharge or release from a period of active duty service of 90 days or more will be granted in-county tuition (regardless of his/her formal State of residence).

c. Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the College. The person so described must have enrolled in the College prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either Chapter 30 or Chapter 33, of title 38, United States Code.

d. A dependent using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311 (b)(9)) will be granted in-county tuition (regardless of his/her formal State of residence).

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

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

III. International and Foreign National Students

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

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

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

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

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

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

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

IV. Dream Act

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

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

V. Proof of Residency

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

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

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

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

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

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

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

VI. Reclassification of Residency

A. Students requesting reduced tuition rate based on a change in residency must submit proof of actual address change as defined in Section V to the Admissions Office and complete the "Change of Address" form available either online at 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) and may be revised annually.

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

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

Veterans Educational Benefits

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

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

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

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.

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

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

Student Refunds

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

Senior Citizen Tuition Benefit Policy

Students age 60 and older who are Maryland residents may take classes at FCC tuition-free if they register beginning December 13 for J-Term and January 8 for Spring semester. Students must pay fees. See the **Tuition & Fees** on page 2 for an explanation of fees. You can register before this date to reserve space, but you will have to pay full tuition and will not be eligible for the tuition-free benefit. There is no waiver of fees.

Disabled and Retired

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

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

In order to receive this waiver of tuition:

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

Financial Aid

Financial Aid

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

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

Application Process

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

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

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

Recommended deadlines for the Spring 2018 semester:

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

If you register for classes between	FAFSA and all required documentation must be completed by	Payment due by
11/6–1/19, 4:30pm	11/30	1/19, 4:30pm
1/19–1/26, 4:30pm	Must pay in full or enroll in payment plan	1/26, 4:30pm
After 1/26	Must pay in full or enroll in payment plan	If enrolled after 1/26 by session start date.

Pending Financial Aid Payment Plan

This is an option for you if:

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

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

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

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

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

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

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

Financial Aid for J-term

If you are receiving Federal Title IV financial aid (Federal Pell Grant or Federal Direct Loan) and have been awarded financial aid for the spring 2018 semester, check with the financial aid office to find out how to use financial aid for your tuition bill for J-term.

Scholarships

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

- November 1–December 31 for spring 2018

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

Services for Students with Disabilities

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

Contact Information:

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

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

Bookstore

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

Bookstore Calendar

- January 2..... Financial Aid available for spring books
- January 2..... Spring books available to purchase and rent
- January 15..... Bookstore closed
- January 23..... Textbook buyback from 9am to 6pm
- January 27 (Saturdays)..... 10am–2pm
- March 26 and 27..... Bookstore closes at 4:30pm
- March 28–April 1..... Bookstore closed
- May 15, 16, 17, 21, and 22..... Textbook buyback from 9am to 6pm
- May 28..... Bookstore closed

Buying/Renting Books

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

Some course books are available to rent from the FCC Bookstore. All book rentals must be secured with a credit card, and may be paid for with cash, check, or credit card. Students must be 18 or older to rent books and must provide a valid Student ID. Students younger than 18 must have a parent sign for the rental.

Books cannot be rented through our website.

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

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

Family Educational Rights & Privacy Act of 1974 (FERPA)

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

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

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

Students wishing to restrict directory information or grant additional access must contact the Welcome Center (in writing) with their request. There is no expiration date for these access exceptions. Contact the Welcome Center for additional information

Phone Directory

College Information/Welcome Center	301.846.2431
Admissions	301.624.2716
Adult Services	301.846.2483
Athletics	301.846.2500
Bess & Frank Gladhill Learning Commons	301.846.2444
Bookstore	301.846.2463
Carl & Norma Miller Children's Center	301.846.2612
Center for Student Engagement	301.624.2793
Center for Teaching & Learning	301.846.2521
Continuing Education & Workforce Development	301.624.2888
Counseling & Advising Services	301.846.2471
Distributed Learning	301.846.2401
Dual Enrollment/Open Campus	240.629.7886
FEMA Transcripts	301.624.2854
Financial Aid	301.846.2480
International Education	301.846.2521
Internships	301.624.2724
Multicultural Student Services	301.846.2531
Prior Learning Assessment	301.846.8527
Registration & Records	301.846.2431
Security	301.846.2453
Services for Students with Disabilities	301.846.2408
STEM Learning Center	240.629.7839
Student Accounts (Cashier's Office)	301.846.2456
Testing Center	301.846.2522
Transcripts (In-coming)	301.846.2595
Transcripts (Out-going)	301.846.2653
Tutoring & Writing Center	301.846.2619
Veterans Center	301.624.2836

Program Contact List

Allied Health and Wellness

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

Computing and Business Technology (CBT)

Office Manager (C-220): Doree Lynn Miles	301.846.2505
Accounting, CPA Prep: Mike Martin	301.846.2543
Architectural Computer Aided Design: Dr. Renee Davis	301.846.2587
Business Administration, Business Management, Economics: Dr. Karen A. Wilson	301.846.2611
Computer Science, Information Systems Management, Information Technology-all options, Cybersecurity: Dr. Andy Yao	301.846.2410
Construction Management: Dr. Renee Davis	301.846.2587
Paralegal: Dr. Tracy Parker	301.624.2819
STEM (Technology): Dr. Andy Yao	301.846.2410

Communications, Humanities & Arts (CHA)

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

Construction & Building Trades (The Monroe Center)

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

Emergency Management

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

Office Manager (H-243): Cheryl Peterson	301.846.2600
Developmental English: Joe Healey	301.846.2633
English as a Second Language: Stephanie Landon	240.629.7925

Honors

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

Institute Manager: Elizabeth DeRose	301.846.2404
Administrative Associate: Jennifer Goodridge	301.624.2756

Mathematics

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

Nursing

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

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

Social Sciences

Office Manager (H-237): Nicole Welch	301.846.2507
Anthropology/Archaeology, History, Political Science: Dr. Michael Powell	301.846.2571
Criminal Justice: Mary Rolle	301.846.2639
Early Childhood Education/Early Childhood Special Education, and Early Childhood Development: Delaine Welch	301.846.2559
Elementary Education/Elementary Special Education, Secondary Education: Heather Hinkle	301.846.2461
Geography, Sociology: Corwin Parker	301.624.2837
Human Services: Natalie Bowers	301.846.2696
Psychology: Dr. John Sheldon	240.629.7857

Public Safety

Fire Service Administration, Police Sciences: Robin Shusko	301.846.2673
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General Education Courses J-term and/or Spring 2018 Offerings

1. Arts & Humanities

Arts

- AR 100 - Introduction to the Creative Arts (3)
- AR 101 - Two Dimensional Art and Design (3)
- AR 103 - The History of Art: Non-Western (3)
- AR 104 - The History of Art: Prehistoric to Early Renaissance (3)
- AR 105 - The History of Art: Renaissance to Modern (3)
- AR 106 - Drawing I (3)
- AR 113 - Pottery I (3)
- CMM 101 - Introduction to Electronic Media (3)
- CMM 103 - Introduction to Film (3)
- MU 101 - Introduction to Music History and Appreciation (3)
- MU 103 - Fundamentals of Music (3)
- MU 108 - Survey of World Music (3)
- MU 109 - History of American Popular Music (3)
- THR 101 - Introduction to Theatre (3)

Humanities

- ASLS 102 - American Sign Language I (3)
- ASLS 103 - American Sign Language II (ASL II) (3)
- ASLS 202 - American Sign Language III (ASL III) (3)
- ASLS 203 - American Sign Language IV (3)
- EN/CMM 241 - Journalism Publication Practicum (3)
- EN 102 - English Composition and Literature (3)
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.
- EN 102H - 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 202 - British Literature (3)
- EN 204 - American Literature (3)
- EN 206 - World Literature (3)
- EN 216 - The Short Story (3)
- EN 223 - Classical Mythology (3)
- EN 226 - Film as Literature (3)
- EN 230 - African American Literature (3)
- EN/CMM 241 - Journalism Publication Practicum (3)
- LAR 101 - Introductory Arabic I (3)
- LF 102 - Introductory French II (3)
- LG 101 - Introductory German I (3)
- LL 102 - Introductory Latin II (3)
- LL 202 - Intermediate Latin II (3)
- LR 101 - Introductory Russian I (3)
- LS 101 - Introductory Spanish I (3)
- LS 102 - Introductory Spanish II (3)
- LS 202 - Intermediate Spanish II (3)
- PH 101 - Introduction to Philosophy (3)

- PH 204 - World Religions (3)
- PH 205 - Ethics (3)
- PH 206 - Logic (3)
- PH 207 - Biomedical Ethics (3)
- PH 208 - Business Ethics (3)
- PH 209 - Environmental Ethics (3)
- PH 210 - Ethics and Film (3)

Communications

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

2. English Composition

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

3. Interdisciplinary & Emerging Issues

Academic and Career Engagement

- ACE 101H - Academic Engagement Seminar (3)

Computer Literacy

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

Wellness

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

Interdisciplinary

- ID 220 - World War II Through Film (3)
- ID 225 - Disaster, Crisis and Emergency Management (3)

Multicultural Issues & Perspectives

- ASLS 106 - Introduction to the Deaf Community (3)
- BU 281 - Global Awareness in the Work Environment (3)
- MU 108 - Survey of World Music (3)

4. Mathematics

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

5. Science

- BI 100 - Fundamental Concepts of Biology (4)
- BI 101 - General Biology I (4)
- BI 102 - General Biology 2 (4)
- BI 103 - Anatomy and Physiology (4)
- BI 104 - Anatomy and Physiology (4)
- BI 104H - Anatomy and Physiology (4)
- BI 107 - Human Biology (4)
- BI 117 - Study of the Human Body (3)
- BI 120 - Microbiology for Allied Health (4)
- BI 130 - Forensic Biology (4)
- BI 140 - Biotechnology and Society (3)
- BI 201 - General Ecology (4)
- BI 202 - Human Ecology (3)
- CH 100 - Chemistry and Society (4)
- CH 101 - General Chemistry (4)
- CH 102 - General Chemistry (4)
- PC 103 - Elements of Physical Science (3)
- PC 104 - The Water Planet: Introduction to Oceanography (3)
- PC 105 - Introduction to the Science of Weather (3)
- PC 106 - Introduction to Meteorology (4)
- PC 107 - Introductory Astronomy (4)
- PC 108 - Historical Geology (4)
- PC 114 - Contemporary Physical Science (4)
- PC 115 - Introduction to Geoscience (4)
- PC 121 - Energy and Society (3)
- PY 101 - Survey of Physics (3)
- PY 202 - Fundamentals of Physics (4)
- PY 203 - Introductory Physics I (4)
- PY 204 - Introductory Physics II (4)

6. Social & Behavioral Sciences

Anthropology

AN 101 - Introduction to Anthropology (3)

Economics

EC 201 - Principles of Economics (3)

EC 202 - Principles of Economics (3)

EC 202H - Principles of Economics (3)

Education

ED 102 - Schools & Society (3)

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

ED/PS 208H - Human Growth &
Development (3)

Geography

GG 101 - Elements of Geography (3)

GG 102 - Cultural Geography (3)

History

HI 101 - History of Western Civilization (3)

HI 102 - History of Western Civilization (3)

HI 201 - History of the United States (3)

HI 202 - History of the United States (3)

HI 202H - History of the United States (3)

HI 221 - The Sixties (3)

Human Services

HS 102 - Human Relations (3)

Political Science

PI 104 - American Government: National (3)

Psychology

PS 101 - General Psychology (3)

PS 202 - Social Psychology (3)

Sociology

SO 101 - Introduction to Sociology (3)

SO 102 - Social Problems (3)

SO 212 - Gender and Society (3)

Cultural Competence Requirements

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

ACE 101H - Academic Engagement Seminar (3)

AN 101 - Introduction to Anthropology (3)

AR 103 - The History of Art: Non-Western (3)

AR 104 - The History of Art: Prehistoric to
Early Renaissance (3)

AR 105 - The History of Art:
Renaissance to Modern (3)

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

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

CMSP 105 - Small Group Communication (3)

ED 203 - Foundations of Special Education (3)

ED 203H - Foundations of Special Education (3)

EM 203 - Social Impacts of Disaster (3)

EN 206 - World Literature (3)

EN 230 - African American Literature (3)

EN/CMM 241 - Journalism Publication
Practicum (3)

GG 102 - Cultural Geography (3)

HI 217 - African-American History (3)

HS 102 - Human Relations (3)

LS 202 - Intermediate Spanish II (3)

MU 108 - Survey of World Music (3)

NU 101 - Introduction to Clinical Nursing (6)

PH 204 - World Religions (3)

PH 210 - Ethics and Film (3)

SO 102 - Social Problems (3)

SO 212 - Gender and Society (3)

ST 101 - Introduction to
Surgical Technology (6)

2018

J-Term Credit Schedule

January 3-18, 2018

Course Blackboard Requirements

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

ACCT: Accounting

ACCT101 - Principles of Accounting I (3)

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

Introduces the principles and procedures related to accounting theory and practice. The analysis of transactions under generally accepted accounting principles (GAAP) and their relationship to the financial statements are covered from a user's perspective.

606 ACCT101-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

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.

607 ACCT102-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

AN: Anthropology

AN101 - Introduction to Anthropology (3)

Gen Ed Anthropology; Cultural Competence

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

Presents general patterns of the development of human culture and the basic principles of social anthropology and ethnology. Provides field work experience and emphasizes concepts of the modern practical views of anthropology.

649 AN101-ONL1 ONLINE J-Term, 3 Weeks

AR: Art

AR101 - Two Dimensional Art and Design (3)

Gen Ed Arts

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

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

619 AR101-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

Note: Students must furnish own supplies.

AR106 - Drawing I (3)

Gen Ed Arts

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

Develops skills in using different drawing mediums and approaches. Emphasizes learning how to draw still life, landscape, drapery studies and experimental problems. Includes problems of scale and collage. Students will acquire a portfolio of drawings from studio work. Students must furnish supplies.

622 AR106-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

643 AR106-2 Tu-F 9am - 12:45pm J-Term, 3 Weeks

BI: Biological Science

BI202 - Human Ecology (3)

Gen Ed Science

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

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

604 BI202-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

Gen Ed Computer Literacy

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

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

608 CIS101-HYB1 Tu-F 9:30am - 11:55am J-Term, 3 Weeks

610 CIS101-HYB2 Tu,W,Th 6pm - 8:30pm J-Term, 3 Weeks

652 CIS101-ONL1 ONLINE J-Term, 3 Weeks

CMSP: Communications Speech

CMSP103 - Speech Fundamentals (3)

Gen Ed Communications

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

Emphasizes the attainment of understanding and skill in public speaking. Assignments require analyzing the audience, researching, organizing, outlining, supporting and delivering a variety of extemporaneous speeches.

624 CMSP103-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

651 CMSP103-2 Tu-F 9am - 12:45pm J-Term, 3 Weeks

625 CMSP103-3 Tu-F 5pm - 8:45pm J-Term, 3 Weeks

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

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

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

627 CMSP105-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

628 CMSP105-2 Tu-F 9am - 12:45pm J-Term, 3 Weeks

629 CMSP105-ONL1 ONLINE J-Term, 3 Weeks

EC: Economics

EC201 - Principles of Economics (3)

Gen Ed Economics

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

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

611 EC201-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

EC202 - Principles of Economics (3)

Prerequisite: EC 201

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

613 EC202-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

EN: English

EN226 - Film as Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

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

632 EN226-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

HE: Health Education

HE201 - Stress Management (3)

Gen Ed Wellness

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

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

620 HE201-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

HE204 - Health Education (3)

Gen Ed Wellness

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

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

658 HE204-1 Tu-F 1pm-4:45pm J-Term, 3 Weeks

HI: History

HI101 - History of Western Civilization (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Surveys the development of Western civilization from ancient times to 1500.

637 HI101-1 Tu-F 5:30pm - 9:15pm J-Term, 3 Weeks

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.

636 HI201-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

HOS: Hospitality Culinary Tourism

HOS111 - Culinary Fundamentals (1)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 80 or appropriate score on mathematics placement test); Prerequisite or Corequisite: HOS 121

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

655 HOS111-1 M-F 1pm - 4pm J-Term, 3 Weeks

HOS121 - Sanitation and Food Safety (2)

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

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

654 HOS121-1 M-F 9am - 12pm J-Term, 3 Weeks

HS: Human Services

HS102 - Human Relations (3)

Gen Ed Human Services; Cultural Competence

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

Introduces students to the fundamentals of interpersonal communication and examines such communication in the context of culture, ethnicity, gender, age, and race in particular. As an experiential course, it seeks to increase the skills and sensitivity necessary for successful human relationships in a diverse global, national and local community. The impact of the increasing use of interactive technologies is also examined.

616 HS102-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

634 HS102-ONL1 ONLINE J-Term, 3 Weeks

INTR: Internship

INTR101 - Internship (1)

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

642 INTR101-1 J-Term, 3 Weeks

INTR102 - Internship (2)

645 INTR102-1 J-Term, 3 Weeks

INTR103 - Internship (3)

650 INTR103-1 J-Term, 3 Weeks

MA: Mathematics

MA103 - Foundations of Mathematics (3)

Gen Ed Math

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

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

602 MA103-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

Note: Classroom instruction supports TI83/TI84 calculators.

648 MA103-ONL1 ONLINE J-Term, 3 Weeks

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.

640 MA111-1 Tu-F 9am - 2pm J-Term, 3 Weeks

MA206 - Elementary Statistics (3)

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

An introductory non-calculus statistics course. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

601 MA206-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks
605 MA206-2 Tu-F 5:30pm - 9:15pm J-Term, 3 Weeks
647 MA206-ONL1 ONLINE J-Term, 3 Weeks

MA214 - Introduction to MATLAB (1)

Prerequisite or Corequisite: MA 210

Provides an introduction to MATLAB. This course provides a comprehensive introduction to MATLAB environment. Assigned projects emphasize basic programming and graphing skills, as well as using MATLAB to solve appropriate mathematical problems.

653 MA214-ONL1 ONLINE J-Term, 3 Weeks

MDA: Medical Assisting

MDA104 - Medical Assisting Clinical I (1)

Prerequisites: MDA 102, MDA 112

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

614 MDA104-1 ASG J-Term, 3 Weeks

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.

615 MDA105-1 ASG J-Term, 3 Weeks

MDA108 - Basic Medical Terminology (1)

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

Provides students with the basic medical terminology framework needed before advancing to a more comprehensive medical terminology or anatomy and physiology based course.

656 MDA108-ONL1 ONLINE J-Term, 3 Weeks

NU: Nursing

NU50 - Preparation for Nursing (0) [1]

Prerequisite: Acceptance into clinical nursing program

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

612 NU50-HYB1 W 5pm - 9pm J-Term, 3 Weeks

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

PC: Physical Science

PC121 - Energy and Society (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisite: MA 82 or MA 85 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.

657 PC121-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

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.

623 PE108-1 Tu-F 5pm - 7:15pm J-Term, 3 Weeks

PE154 - Fitness for Living (3)

Gen Ed Wellness

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

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

626 PE154-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

PS: Psychology

PS101 - General Psychology (3)

Gen Ed Psychology

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

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

617 PS101-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks

635 PS101-ONL1 ONLINE J-Term, 3 Weeks

SO: Sociology

SO101 - Introduction to Sociology (3)

Gen Ed Sociology

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

618 SO101-1 Tu-F 5:30pm - 9:15pm J-Term, 3 Weeks

646 SO101-ONL1 ONLINE J-Term, 3 Weeks

SO102 - Social Problems (3)

Gen Ed Sociology; Cultural Competence

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

638 SO102-1 Tu-F 9am - 12:45pm J-Term, 3 Weeks



J-Term

2018

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, 3 Weeks

AN: Anthropology

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

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)
608 CIS101-HYB1 Tu-F 9:30am - 11:55am HYBRID
610 CIS101-HYB2 Tu,W,Th 6pm - 8:30pm HYBRID
652 CIS101-ONL1 ONLINE

CMSP: Communications Speech

CMSP105 - Small Group Communication (3)
629 CMSP105-ONL1 ONLINE

HS: Human Services

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

MA: Mathematics

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

MA206 - Elementary Statistics (3)
647 MA206-ONL1 ONLINE

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

MDA: Medical Assisting

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

NU: Nursing

NU50 - Preparation for Nursing (0) [1]
612 NU50-HYB1 W 5pm - 7:30pm HYBRID

PS: Psychology

PS101 - General Psychology (3)
635 PS101-ONL1 ONLINE

SO: Sociology

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

2018

Spring Credit Schedule

Course Blackboard Requirements

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

ACCT: Accounting

ACCT100 - Business Accounting (3)

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

Demonstrates the accounting principles and procedures used by a business in setting up and maintaining records for reporting purposes. Topics include the accounting cycle, preparation of the financial statements, payroll and banking procedures, and computerized recordkeeping.

4081 ACCT100-1	Tu,Th	8am - 9:15am	15-week
3082 ACCT100-2	M	5pm - 7:30pm	15-week
3083 ACCT100-HYB1	SAT	8:30am - 12pm	1st 7-week Saturday

ACCT101 - Principles of Accounting I (3)

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

Introduces the principles and procedures related to accounting theory and practice. The analysis of transactions under generally accepted accounting principles (GAAP) and their relationship to the financial statements are covered from a user's perspective.

3084 ACCT101-1	M,W	11am - 12:15pm	15-week
3085 ACCT101-2	M,W	2pm - 3:15pm	15-week
3086 ACCT101-3	Tu,Th	8am - 9:15am	15-week
3087 ACCT101-4	Tu,Th	9:30am - 10:45am	15-week
3088 ACCT101-5	Tu,Th	11am - 12:15pm	15-week
3089 ACCT101-6	M	5pm - 7:35pm	15-week
3090 ACCT101-HYB1	Tu	6pm - 8:35pm	1st 7-week
3091 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.

3092 ACCT102-1	M,W	12:30pm - 1:45pm	15-week
3093 ACCT102-2	Tu,Th	9:30am - 10:45am	15-week
3094 ACCT102-3	Tu,Th	12:30pm - 1:45pm	15-week
3095 ACCT102-4	W	5pm - 7:35pm	15-week
3096 ACCT102-HYB1	Tu	6pm - 8:35pm	2nd 7-week
3097 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.

3098 ACCT111-HYB1	SAT	9am - 12pm	2nd 7-week Saturday
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Note: On-campus sessions: first and last Saturday only; 03/24 and 05/12, Students advised to purchase book with software from FCC Bookstore

ACCT117 - Payroll Accounting (3)

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (ACCT 100 or ACCT 101)

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

3099 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.

3100 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.

3101 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.

3102 ACCT214-1	W	5pm - 6:30pm	15-week
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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.

4376 ACCT233-HYB1	Tu	5pm - 6:15pm	15-week
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ACE: Academic and Career Engagement

ACE100 - Advanced Reading for Composition (2)

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

3588 ACE100-LK1	M,W	9:30am - 10:20am	15-week
<i>Note: Students must register for ACE100-LK1 and EN101-LK1 (It is an EN101 'S' class).</i>			
3589 ACE100-LK2	M,W	12pm - 12:50pm	15-week
<i>Note: Students must register for ACE100-LK2 and EN101-LK2 (It is an EN101 'S' class).</i>			
4422 ACE100-LK3	M,W	12:30pm - 1:20pm	15-week
<i>Note: Students must register for ACE100-LK3 and EN101-LK3 (It is an EN101 'S' class).</i>			
3593 ACE100-LK4	M,W	2pm - 2:50pm	15-week
<i>Note: Students must register for ACE100-LK4 and EN101-LK4 (It is an EN101 'S' class).</i>			
3594 ACE100-LK5	M,W	5pm - 5:50pm	15-week
<i>Note: Students must register for ACE100-LK5 and EN101-LK5 (It is an EN101 'S' class).</i>			
3590 ACE100-LK6	Tu,Th	9:30am - 10:20am	15-week
<i>Note: Students must register for ACE100-LK6 and EN101-LK6 (It is an EN101 'S' class).</i>			
3591 ACE100-LK7	Tu,Th	12pm - 12:50pm	15-week
<i>Note: Students must register for ACE100-LK7 and EN101-LK7 (It is an EN101 'S' class).</i>			
3592 ACE100-LK8	Tu,Th	2:30pm - 3:20pm	15-week
<i>Note: Students must register for ACE100-LK8 and EN101-LK8 (It is an EN101 'S' class).</i>			
4152 ACE100-LK9	Tu,Th	5pm - 5:50pm	15-week
<i>Note: Students must register for ACE100-LK9 and EN101-LK9 (It is an EN101 'S' class).</i>			
4302 ACE100-LK10	F	11:50am - 1:30pm	15-week
<i>Note: Students must register for ACE100-LK10 and EN101-LK10 (It is an EN101 'S' class).</i>			
4303 ACE100-LK11	W	8:15pm - 9:55pm	15-week
<i>Note: Students must register for ACE100-LK11 and EN101-LK11 (It is an EN101 'S' class).</i>			
3581 EN101-LK1	M,W	8am - 9:15am	15-week
3582 EN101-LK2	M,W	10:30am - 11:45am	15-week
3586 EN101-LK3	M,W	11am - 12:15pm	15-week
3587 EN101-LK4	M,W	12:30pm - 1:45pm	15-week
4421 EN101-LK5	M,W	3:30pm - 4:45pm	15-week
4300 EN101-LK6	Tu,Th	8am - 9:15am	15-week
3583 EN101-LK7	Tu,Th	10:30am - 11:45am	15-week
3584 EN101-LK8	Tu,Th	1pm - 2:15pm	15-week
3585 EN101-LK9	Tu,Th	3:30pm - 4:45pm	15-week
4301 EN101-LK10	F	9am - 11:35am	15-week
4151 EN101-LK11	W	5:30pm - 8:05pm	15-week

ACE101H - Academic Engagement Seminar (3)

Gen Ed Interdisciplinary; Cultural Competence

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

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

4416 ACE101H-1	Tu,Th	12:30pm - 1:45pm	15-week
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ACE110 - Career Assessment and Planning (3)

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

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

4177 ACE110-1	Th	5:30pm - 8:25pm	13-week
3908 ACE110-HYB1	Th	12:30pm - 1:45pm	15-week

ACE111B - Job Search and Workplace Basics (1)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Develops key strategies to help students find satisfying work. Students will learn how to connect their employment objectives to their education and work experience. Topics include resume writing, interviewing, job search skills, and workplace basics.


4295 ACE111B-HYB1	F	11am - 11:50am	2nd 8-week
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AN: Anthropology

AN101 - Introduction to Anthropology (3)

Gen Ed Anthropology; Cultural Competence

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.

3345 AN101-1	M,W	9:30am - 10:45am	15-week
4369 AN101-2	M,W	2pm - 3:15pm	15-week
3344 AN101-3	Tu,Th	11am - 12:15pm	15-week
3346 AN101-ONL1		ONLINE	15-week

AR: Art

AR100 - Introduction to the Creative Arts (3)

Gen Ed Arts

Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works with a global perspective. The study of the creative arts will develop critical appreciation for the arts, enhance self-expression, and provide a better understanding of the human experience. Attendance at an art exhibition and two different live performances is required. The course meets the Maryland state approved Associate of Arts in Teaching degree.

3617 AR100-1	M,W	9:30am - 10:45am	15-week
3618 AR100-2	M,W	11am - 12:15pm	15-week
3620 AR100-3	Tu,Th	9:30am - 10:45am	15-week
3619 AR100-4	Tu,Th	11am - 12:15pm	15-week
3622 AR100-ONL1		ONLINE	15-week

AR101 - Two Dimensional Art and Design (3)

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

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

3623 AR101-1	M,W	12:30pm - 2:30pm	15-week
<i>Note: Students must furnish own supplies.</i>			
3624 AR101-2	Tu,Th	9:30am - 11:30am	15-week
3625 AR101-3	Tu,Th	12:30pm - 2:30pm	15-week

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.

3626 AR102-1	M,W	9:30am - 11:30am	15-week
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AR103 - The History of Art: Non-Western (3)

Gen Ed Arts; Cultural Competence

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

Surveys the major developments in painting, sculpture, and architecture created in non-western cultures around the world. Emphasizes a global perspective and illuminates the historical/artistic interaction of world cultures. Provides an overview of the visual arts created in India, China, Japan, Islam, Africa, Oceania, and the pre-Columbian cultures of North and South America. A visit to an art museum is required.

3628 AR103-1	M,W	12:30pm - 1:45pm	15-week
3627 AR103-2	Tu,Th	11am - 12:15pm	15-week

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

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

3629 AR104-1 Tu,Th 12:30pm - 1:45pm 15-week

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

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

3631 AR105-1 M,W 2pm - 3:15pm 15-week

AR106 - Drawing I (3)

Gen Ed Arts

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

Develops skills in using different drawing mediums and approaches. Emphasizes learning how to draw still life, landscape, drapery studies and experimental problems. Includes problems of scale and collage. Students will acquire a portfolio of drawings from studio work. Students must furnish supplies.

3632 AR106-1 M,W 9:30am - 11:30am 15-week
3633 AR106-2 Tu,Th 10am - 12pm 15-week
3634 AR106-3 Tu,Th 12:30pm - 3:30pm 13-week
3635 AR106-4 W 12:30pm - 4:30pm 15-week
3636 AR106-5 Th 12:30pm - 4:30pm 15-week
3637 AR106-6 F 1pm - 5pm 15-week
3638 AR106-7 M 5:30pm - 9:30pm 15-week

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.

3639 AR107-1C Th 5:30pm - 9:30pm 15-week

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.

3640 AR108-1C Tu 12:30pm - 4:30pm 15-week

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.

3641 AR109-1C Tu 12:30pm - 4:30pm 15-week

AR113 - Pottery I (3)

Gen Ed Arts

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

Explores clay as a medium for the expression of art. Uses various production techniques, decorating and glazing methods to achieve well-conceived and designed objects of ceramic art.

3642 AR113-1 M 12:30pm - 4:30pm 15-week
3643 AR113-2 Tu 12:30pm - 4:30pm 15-week
3644 AR113-3 W 9am - 1pm 15-week
3645 AR113-4 Th 9am - 1pm 15-week
4446 AR113-5 SAT 9am - 1pm 15-week
3646 AR113-6 M 5:30pm - 9:30pm 15-week
3647 AR113-7 W 5:30pm - 9:30pm 15-week

Note: Students must furnish own supplies.

AR114 - Pottery II (3)

Prerequisite: AR 113

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

4305 AR114-1 F 9am - 1pm 15-week

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.

3654 AR204-1C M,W 12:30pm - 2:30pm 15-week

AR205 - Illustration II (3)

Prerequisite: AR 204

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

3655 AR205-1C M,W 12:30pm - 2:30pm 15-week

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.

3656 AR206-1C Th 5:30pm - 9:30pm 15-week

AR207 - Introduction to Watercolor I (3)

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

Instruction in transparent watercolor techniques, including wash and dry brush, ink and watercolor and expanded uses such as intermixing with turpentine and charcoal and pastel.

3657 AR207-1C Tu,Th 9:30am - 11:30am 15-week

AR210 - Watercolor II (3)

Prerequisite: AR 207

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

3658 AR210-1C Tu,Th 9:30am - 11:30am 15-week

ASLS: American Sign Language Studies

ASLS100 - American Sign Language Fingerspelling and Numbering (3)

Prerequisite: ASLS 102; Corequisite: ASLS 103

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

3659 ASLS100-1 **M,W** **5:30pm - 6:45pm** **15-week**

ASLS101 - Visual Gestural Communication (3)

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

3660 ASLS101-1 **M,W** **11am - 12:15pm** **15-week**

ASLS102 - American Sign Language I (3)

Gen Ed Humanities

Presents the basic skills used in American Sign Language. Includes vocabulary and grammar related to the exchange of personal information, introductions and negotiating the environment of sign conversation. Uses workbooks and videotapes. (First of four courses in ASL. Credit by examination is available.)

3661 ASLS102-1 **M,W** **9:30am - 10:45am** **15-week**

3662 ASLS102-2 **M,W** **11am - 12:15pm** **15-week**

3663 ASLS102-3 **M,W** **12:30pm - 1:45pm** **15-week**

3664 ASLS102-4 **M,W** **2pm - 3:15pm** **15-week**

3665 ASLS102-5 **Tu,Th** **11am - 12:15pm** **15-week**

3666 ASLS102-6 **Tu,Th** **12:30pm - 1:45pm** **15-week**

4043 ASLS102-7 **SAT** **9am - 11:30am** **14-week**

3667 ASLS102-8 **Tu** **5:30pm - 8:05pm** **15-week**

3668 ASLS102-9 **Th** **5:30pm - 8:05pm** **15-week**

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

Gen Ed Humanities

Prerequisite: ASLS 102

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

3669 ASLS103-1 **M,W** **12:30pm - 1:45pm** **15-week**

3670 ASLS103-2 **Tu,Th** **12:30pm - 1:45pm** **15-week**

3671 ASLS103-3 **Th** **5:30pm - 8:05pm** **13-week**

ASLS106 - Introduction to Deaf Community and History (3)

Gen Ed Multicultural Perspect; Cultural Competence

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

3672 ASLS106-1 **Th** **6pm - 8:30pm** **15-week**

3673 ASLS106-ONL1  **ONLINE** **15-week**

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

Gen Ed Humanities

Prerequisite: ASLS 103

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

4429 ASLS202-1 **Tu,Th** **5pm - 6:15pm** **15-week**

ASLS203 - American Sign Language IV (3)

Gen Ed Humanities

Prerequisite: ASLS 202

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

3863 ASLS203-1 **M,W** **5:30pm - 6:45pm** **15-week**

ASLS206 - American Deaf Culture (3)

Prerequisite: ASLS 106

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

3674 ASLS206-ONL1  **ONLINE** **15-week**

BI: Biological Science

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

Prerequisites: (EN 70 or EN 75) OR (EN 50 and EN 51) OR (ESL 94 and ESL 97) OR (ESL 70 and ESL 71) OR (Corequisite: EN 75) AND (MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test)

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

3216 BI55-1 **M,W** **11am - 12:15pm** **15-week**

3217 BI55-2 **Tu,Th** **8am - 9:15am** **15-week**

3218 BI55-3 **Tu,Th** **2pm - 4:30pm** **2nd 8-week**

3219 BI55-4 **M** **6pm - 8:35pm** **15-week**

BI100 - Fundamental Concepts of (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test)

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

3220 BI100-11C	M,W	8am - 9:15am	15-week
3221 BI100-11LB	M	9:30am - 12pm	15-week
3972 BI100-21C	M	12:30pm - 3:05pm	15-week
3973 BI100-21LB	W	12:30pm - 3pm	15-week
3222 BI100-31C	M,W	12:30pm - 1:45pm	15-week
3223 BI100-31LB	W	9:30am - 12pm	15-week
3224 BI100-41C	Tu	8am - 10:35am	15-week
3225 BI100-41LB	Th	8am - 10:30am	15-week
3876 BI100-51C	Tu,Th	11am - 12:15pm	15-week
3877 BI100-51LB	Th	12:30pm - 3pm	15-week
4343 BI100-61C	Tu,Th	12:30pm - 1:45pm	15-week
4344 BI100-61LB	Tu	2pm - 4:30pm	15-week
3226 BI100-71C	F	8am - 10:35am	15-week
3227 BI100-71LB	F	11am - 1:30pm	15-week
3228 BI100-81C	SAT	9am - 11:45am	14-week
3229 BI100-81LB	SAT	12pm - 2:45pm	14-week
4341 BI100-91C	M	5:30pm - 8:05pm	15-week
4342 BI100-91LB	W	5:30pm - 8pm	15-week
3230 BI100-101C	Tu	6pm - 8:35pm	15-week
3231 BI100-101B	Th	6pm - 8:30pm	15-week
3232 BI100-HYBC		ONLINE	15-week
3233 BI100-HYBB	Tu	11am - 1:30pm	15-week

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

BI101 - General Biology I (4)

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

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

3234 BI101-11C	M,W	2pm - 3:15pm	15-week
3235 BI101-11LB	M	9:30am - 12pm	15-week
3879 BI101-12LB	W	9:30am - 12pm	15-week

Students enrolling in BI101-11C must also register for BI101-11LB or BI101-12LB.

3236 BI101-21C	Tu,Th	8am - 9:15am	15-week
3237 BI101-21LB	Tu	11am - 1:30pm	15-week
3882 BI101-22LB	Th	11am - 1:30pm	15-week

Students enrolling in BI101-21C must also register for BI101-21LB or BI101-22LB

3880 BI101-31C	Tu,Th	12:30pm - 1:45pm	15-week
3881 BI101-31LB	Th	2pm - 4:30pm	15-week

4345 BI101-41C	Th	8am - 10:35am	15-week
4346 BI101-41LB	Tu	8am - 10:30am	15-week

3238 BI101-51C	F	8am - 10:35am	15-week
3239 BI101-51LB	F	11am - 1:30pm	15-week

3240 BI101-61C	SAT	9am - 11:45am	14-week
3241 BI101-61LB	SAT	12pm - 2:45pm	14-week

4347 BI101-71C	M	5:30pm - 8pm	15-week
4348 BI101-71LB	W	5:30pm - 8pm	15-week

3242 BI101-81C	Tu	6pm - 8:35pm	15-week
3243 BI101-81LB	Th	6pm - 8:30pm	15-week

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

BI102 - General Biology 2 (4)

Prerequisite: BI 101

Continues the comprehensive survey of modern biology begun in BI101 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.

3244 BI102-11C	Tu,Th	11am - 12:15pm	15-week
3245 BI102-11LB	Tu	2pm - 4:30pm	15-week
3883 BI102-12LB	Th	8am - 10:30am	15-week

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

BI103 - Anatomy and Physiology (4)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or appropriate score on mathematics placement test) AND (BI 55 or BI 101 or BI 120 or CH 101)

The first course in a two-semester sequence. Presents a study of physiology according to the body systems approach. Emphasizes relationships between form and function at both the microscopic and gross levels of organization. Includes basic anatomical terminology, concepts of cell biology, histology, integumentary system, skeletal system, muscular system, nervous system, special senses and endocrine system.

3246 BI103-11C	M,W	8am - 9:15am	15-week
3247 BI103-11LB	M	9:30am - 12pm	15-week
3884 BI103-21C	M,W	12:30pm - 1:45pm	15-week
3885 BI103-21LB	W	9:30am - 12pm	15-week
3248 BI103-31C	Tu,Th	8am - 9:15am	15-week
3249 BI103-31LB	Th	9:30am - 12pm	15-week
3250 BI103-41C	Tu,Th	11am - 12:15pm	15-week
3251 BI103-41LB	Th	12:30pm - 3pm	15-week
3252 BI103-51C	F	8am - 10:35am	15-week
3253 BI103-51LB	F	11am - 1:30pm	15-week
3254 BI103-61C	SAT	9am - 11:45am	14-week
3255 BI103-61LB	SAT	12pm - 2:45pm	14-week
3256 BI103-71C	M	5:30pm - 8:05pm	15-week
3257 BI103-71LB	W	5:30pm - 8pm	15-week
4349 BI103-HYBC	🏠	ONLINE	15-week
4350 BI103-HYBB	Tu	9:30am - 12pm	15-week
3886 BI103-LK1C	Tu,Th	5pm - 7:35pm	1st 8-week
3887 BI103-LK1B	Tu,Th	7:35pm - 10:20pm	1st 8-week

Note: BI103-LK1C and BI103-LK1B – Session dates are January 30 through March 20, 2018. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

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

BI104 - Anatomy and Physiology (4)

Prerequisite: BI 103

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

3258 BI104-11C	M,W	8am - 9:15am	15-week
3259 BI104-11LB	M	9:30am - 12pm	15-week
3888 BI104-21C	M,W	12:30pm - 1:45pm	15-week
3889 BI104-21LB	W	9:30am - 12pm	15-week
4351 BI104-31C	Tu,Th	8am - 9:15am	15-week
4352 BI104-31LB	Tu	9:30am - 12pm	15-week
3260 BI104-41C	Tu,Th	12:30pm - 1:45pm	15-week
3261 BI104-41LB	Tu	2pm - 4:30pm	15-week
3262 BI104-51C	SAT	12pm - 2:45pm	14-week
3263 BI104-51LB	SAT	9am - 11:45am	14-week
3264 BI104-61C	M	5:30pm - 8:05pm	15-week
3265 BI104-61LB	W	5:30pm - 8pm	15-week
3890 BI104-HYBC	🏠	ONLINE	15-week
3891 BI104-HYBB	F	11am - 1:30pm	15-week
3266 BI104-LK1C	Tu,Th	5pm - 7:35pm	2nd 8-week
3267 BI104-LK1B	Tu,Th	7:35pm - 10:20pm	2nd 8-week

Note: BI104-LK1C and BI104-LK1B – Session dates are March 22 through May 17, 2017. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

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

BI104H - Anatomy and Physiology (4)

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.

4234 BI104H-11C	Tu,Th	12:30pm - 1:45pm	15-week
4235 BI104H-11LB	Th	9:30am - 12pm	15-week

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

BI107 - Human Biology (4)

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

Presents a study of the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution and/or related topics. Incorporates case studies, group work and information technology. For the non-science major. Meets the requirement for a general education science lab course. Students cannot receive credit for both BI 107 and BI 117.

3268 BI107-11C	M,W	11am - 12:15pm	15-week
3269 BI107-11LB	W	12:30pm - 3pm	15-week
4353 BI107-21C	Tu,Th	12:30pm - 1:45pm	15-week
4354 BI107-21LB	Th	2pm - 4:30pm	15-week

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

BI117 - Study of the Human Body (3)

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

Examines the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution, and/or other related topics. Incorporates case studies, group work, and information technology. For the non-science major. Students cannot receive credit for both BI 117 and BI 107.

3270 BI117-1	M,W	9:30am - 12:05pm	2nd 8-week
3271 BI117-2	Th	5:30pm - 8:05pm	15-week
4355 BI117-ONL1	🏠	ONLINE	13-week

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

BI120 - Microbiology for Allied Health (4)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or appropriate score on mathematics placement test) AND (BI 55 or BI 101 or BI 103 or CH 101)

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

4356 BI120-11C	M,W	8am - 9:15am	15-week
4357 BI120-11LB	M,W	9:30am - 10:45am	15-week
3272 BI120-21C	M,W	9:30am - 10:45am	15-week
3273 BI120-21LB	M,W	11am - 12:15pm	15-week
4156 BI120-31C	M,W	2pm - 3:15pm	15-week
3274 BI120-31LB	M,W	12:30pm - 1:45pm	15-week
3275 BI120-41C	Tu,Th	9:30am - 10:45am	15-week
3276 BI120-41LB	Tu,Th	11am - 12:15pm	15-week
4155 BI120-51C	Tu,Th	12:30pm - 1:45pm	15-week
3277 BI120-51LB	Tu,Th	2pm - 3:15pm	15-week
3278 BI120-61C	M,W	6:20pm - 7:35pm	15-week
3279 BI120-61LB	M,W	7:45pm - 9pm	15-week
3280 BI120-71C	Tu,Th	6:20pm - 7:35pm	15-week
3281 BI120-71LB	Tu,Th	5pm - 6:15pm	15-week

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

BI130 - Forensic Biology (4)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); *Prerequisite or Corequisite:* MA 82 or MA 85 or appropriate score on mathematics placement test
Introduces the principles and concepts of the biological aspects of forensic science. Examines the role of the laboratory in criminal investigation and human identification using forensic pathology, serology, anthropology, molecular biology, and other specializations.

3282 BI130-11C	M	12:30pm - 3:05pm	15-week
3283 BI130-11LB	W	12:30pm - 3pm	15-week
4360 BI130-21C	Tu	9:30am - 12:05pm	15-week
4361 BI130-21LB	Th	9:30am - 12pm	15-week

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

3892 BI130-ONL1  ONLINE 13-week

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

BI140 - Biotechnology and Society (3)

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

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

4362 BI140-ONL1  ONLINE 15-week

BI201 - General Ecology (4)

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.

3284 BI201-11C	Tu,Th	11am - 12:15pm	15-week
3285 BI201-11LB	Tu	12:30pm - 3pm	15-week

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

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

BI202 - Human Ecology (3)

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


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

4363 BI202-1	M,W	2pm - 3:15pm	15-week
3286 BI202-2	Tu	6pm - 8:35pm	15-week

BI220 - Cell Biology and Tissue Culture (4)

Prerequisites: BI 101 and CH 101

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

3993 BI220-HYBC	 ONLINE	15-week	
3994 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.

3287 BI240-11C	M	12:30pm - 3:05pm	15-week
3288 BI240-11LB	W	12:30pm - 3pm	15-week

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

BLD: Building Trades

Note: All Building Trades classes are held at the FCC Monroe Center.

BLD101 - Introduction to Building Trades (3)

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

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

4141 BLD101-1	Tu	6pm - 8:30pm	15-week
3054 BLD101-HYB1	M	6pm - 8:30pm	2nd 7-week

BLD109 - Fundamentals of HVACR (4)

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

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

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

3055 BLD109-HYB1	Tu,Th	6pm - 9pm	1st 7-week
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BLD110 - Controls for HVACR (3)

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

Prerequisite: BLD 109 or permission of program manager

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

3056 BLD110-HYB1	Tu,Th	6pm - 8:30pm	2nd 7-week
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BLD113 - HVAC Installation & Troubleshooting (3)

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

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

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

3057 BLD113-HYB1	M,W	6pm - 8:30pm	1st 7-week
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BLD114 - Fossil Fuels & Hydronic Heating (3)

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

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

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

3058 BLD114-HYB1	M,W	6pm - 8:30pm	2nd 7-week
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BLD120 - Welding Symbols & Blueprint Reading (2)

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

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

3967 BLD120-1	M,W	5pm - 6pm	15-week
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BLD121 - Introduction to Welding (4)

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

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

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

3059 BLD121-1	Tu,Th	9am - 4:30pm	1st 7-week
3060 BLD121-2	M,W	6pm - 9pm	15-week

BLD122 - Advanced Welding: SMAW (4)

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

Prerequisite: BLD 121; Prerequisite or Corequisite: BLD 120

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

3061 BLD122-1	Tu,Th	9am - 4:30pm	2nd 7-week
3971 BLD122-2	Tu,Th	6pm - 9pm	15-week

BLD127 - Advanced Welding: GMAW (3)

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

Prerequisite: BLD 121; Prerequisite or Corequisite: BLD 120

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.

3962 BLD127-1	M,W	6pm - 8:30pm	15-week
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BLD141 - Fundamentals of Structural Wiring (4)

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

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

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

3843 BLD141-HYB1	M,W	6pm - 9pm	1st 7-week
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BLD142 - Residential Electric (3)

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

Prerequisite: BLD 141 or permission of program manager

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

3975 BLD142-HYB1	M,W	6pm - 8:30pm	2nd 7-week
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BLD145 - Commercial Electric (3)

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

Prerequisite: BLD 142 or permission of program manager

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

3062 BLD145-HYB1	Tu,Th	6pm - 8:30pm	1st 7-week
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BLD146 - Specialized Systems (3)

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

Prerequisite: BLD 141 or permission of program manager

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

3063 BLD146-HYB1	Tu,Th	6pm - 8:30pm	2nd 7-week
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BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)

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

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

3995 BPM102-ONL1		ONLINE	15-week
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BPM103 - Laboratory Techniques I (1)

Prerequisites: Completion of high school biology or chemistry is strongly recommended AND (EN 70 or EN 75)

OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

4006 BPM103-1	M,W	10:30am - 1:20pm	1st 7-week
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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.

4007 BPM110-HYBC		ONLINE	2nd 7-week
4008 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.

4009 BPM214-1LC	Tu	8am - 10:35am	15-week
4010 BPM214-11LB	Th	8am - 10:30am	15-week




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

BU: Business Studies

BU103 - Introduction to Business (3)


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

Introduces effective use of planning, organization and control in the management of an enterprise. Introduction to finance, personnel and plant management, marketing and business and government relations.

3103 BU103-1	M,W	9:30am - 10:45am	15-week
3104 BU103-2	M,W	12:30pm - 1:45pm	15-week
3105 BU103-3	Tu,Th	12:30pm - 1:45pm	15-week
3106 BU103-4	Tu,Th	2pm - 3:15pm	15-week
4425 BU103-HYB1	M	12:30pm - 1:45pm	15-week
3107 BU103-HYB2	F	9:30am - 12:30pm	2nd 7-week
4447 BU103-HYB3	SAT	9am - 12pm	1st 7-week Saturday
3108 BU103-HYB4	Tu	6pm - 9pm	1st 7-week
4329 BU103-HYB5	Tu	6pm - 9pm	2nd 7-week
4424 BU103-ONL1		ONLINE	15-week
3109 BU103-ONL2		ONLINE	1st 7-week
3849 BU103-ONL3		ONLINE	2nd 7-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.

3110 BU109-1	M,W	11am - 12:15pm	15-week
3862 BU109-ONL1		ONLINE	15-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.

3111 BU110-ONL1		ONLINE	15-week
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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.

3112 BU211-1	Tu,Th	11am - 12:15pm	15-week
3850 BU211-HYB1	Th	6pm - 9pm	1st 7-week
3113 BU211-ONL1	📖	ONLINE	15-week

BU221 - Public Relations (3)

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

Introduces basic principles that business and administrative organizations have found to be successful in building and maintaining favorable public relations. Attention to the various tools of public relations such as the broadcast media, newspapers, periodicals, brochures, photographs and exhibits.

4408 BU221-ONL1	📖	ONLINE	15-week
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BU225 - Marketing (3)

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

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

3114 BU225-1	M,W	9:30am - 10:45am	15-week
3115 BU225-HYB1	Tu	11am - 12:15pm	15-week
3116 BU225-ONL1	📖	ONLINE	15-week

BU227 - Principles of Management (3)

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

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

3117 BU227-1	M,W	11am - 12:15pm	15-week
3851 BU227-HYB1	Th	6pm - 9pm	2nd 7-week
3118 BU227-ONL1	📖	ONLINE	15-week

BU273 - Business Communications (3)

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

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

3120 BU273-HYB1	Th	11am - 12:15pm	15-week
3121 BU273-HYB2	Th	6pm - 9pm	2nd 7-week
3122 BU273-ONL1	📖	ONLINE	15-week

BU274 - Customer Relations (3)

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

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.

3123 BU274-ONL1	📖	ONLINE	15-week
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BU275 - Fundamentals of Leadership (3)

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

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

3124 BU275-ONL1	📖	ONLINE	15-week
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BU281 - Global Awareness in the Work Environment (3)

Gen Ed Multicultural Perspect; Cultural Competence

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

Promotes student awareness of the cultural diversity in the workplace whether in the 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.

3125 BU281-HYB1	W	12:30pm - 1:45pm	15-week
3126 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.

4082 BU290-HYB1	Th	6pm - 8:30pm	1st 7-week
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BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3)

Gen Ed Math

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

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

4198 BU/MA205-1	M,W	2pm - 3:15pm	15-week
3001 BU/MA205-2	Tu,Th	9:30am - 10:45am	15-week
4337 BU/MA205-3	M	6pm - 8:35pm	15-week
3002 BU/MA205-ONL1	📖	ONLINE	15-week

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

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

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

3127 CAD101-HYB1	M	5pm - 8pm	1st 7-week
3128 CAD101-HYB2	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).

3129 CAD102-HYB1	M	5pm - 8pm	2nd 7-week
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CAD130 - Introduction to Revit (BIM) (3)

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

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

3130 CAD130-HYB1	Th	5pm - 7:35pm	1st 7-week
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CAD200 - Introduction to Architectural Drawing and Design (3)

Prerequisite: CAD 101

Introduces basic principles and concepts of architectural drawing and design, and their application. Develops an understanding of programming and schematic design. Introduces fundamental drawing practices, drawing systems, and presentation techniques. Students will create architectural sketches, drawings, and models.

4333 CAD200-HYB1 W 5pm - 8pm 2nd 7-week

CAD201 - Residential Architecture I (4)

Prerequisite: CAD 102

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

4334 CAD201-HYB1 W 5pm - 8:45pm 1st 7-week

CAD202 - Residential Architecture II (4)

Prerequisite: CAD 201

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

4335 CAD202-HYB1 W 5pm - 8:45pm 2nd 7-week

CAD207 - Civil Drafting II with CAD (3)

Prerequisite: CAD 205

Introduces intermediate/advanced concepts of civil drafting and design of civil engineering projects. Students will use 3D civil CAD software to create and revise civil engineering drawings including survey drawings, highway layouts, profiles, site plans, corridors, sections, grading plans, cut and fill drawings, and other civil detail drawings.

4336 CAD207-1 M 5pm - 7:35pm 15-week

CH: Chemistry

CH100 - Chemistry and Society (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3289 CH100-1LC Tu 8am - 10:30am 15-week

3290 CH100-11LB Th 8am - 10:30am 15-week

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

CH101 - General Chemistry (4)

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

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.

3291 CH101-1LC M,W 9:30am - 10:45am 15-week

3292 CH101-11LB M 11am - 1:30pm 15-week

3893 CH101-2LC M,W 12:30pm - 1:45pm 15-week

3894 CH101-21LB M 2pm - 4:30pm 15-week

3293 CH101-3LC M,W 12:30pm - 1:45pm 15-week

3294 CH101-31LB W 2pm - 4:30pm 15-week

4144 CH101-4LC M,W 2pm - 3:15pm 15-week

3895 CH101-41LB W 11am - 1:30pm 15-week

4143 CH101-5LC Tu,Th 9:30am - 10:45am 15-week

3298 CH101-51LB Tu 11am - 1:30pm 15-week

3297 CH101-6LC Tu,Th 12:30pm - 1:45pm 15-week

3299 CH101-61LB Th 2pm - 4:30pm 15-week

3295 CH101-7LC Tu,Th 2pm - 3:15pm 15-week

3296 CH101-71LB Th 11am - 1:30pm 15-week

3300 CH101-8LC F 8am - 10:35am 15-week

3301 CH101-81LB F 11am - 1:30pm 15-week

3302 CH101-9LC SAT 9am - 11:45am 14-week

3303 CH101-91LB SAT 12pm - 2:45pm 14-week

3304 CH101-10LC Tu 6pm - 8:35pm 15-week

3305 CH101-101B Th 6pm - 8:30pm 15-week

3306 CH101-11LC W 5:30pm - 8:05pm 15-week

3307 CH101-111B M 5:30pm - 8pm 15-week

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

3308 CH101-ONL1 ONLINE 13-week

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

CH102 - General Chemistry (4)

Prerequisite: CH 101

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

4364 CH102-1LC M 9:30am - 12:05pm 15-week

4365 CH102-11LB W 9:30am - 12pm 15-week

4013 CH102-2LC Tu,Th 9:30am - 10:45am 15-week

4014 CH102-21LB Tu 12:30pm - 3pm 15-week

3896 CH102-3LC Tu,Th 11am - 12:15pm 15-week

3897 CH102-31LB Th 8am - 10:30am 15-week

3311 CH102-4LC F 8am - 10:35am 15-week

3312 CH102-41LB F 11am - 1:35pm 15-week

3309 CH102-5LC Tu 5:30pm - 8:05pm 15-week

3310 CH102-51LB Th 5:30pm - 8pm 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.

3313 CH201-1LC	M,W	2pm - 3:15pm	15-week
3314 CH201-11LB	M	11am - 1:55pm	15-week
3898 CH201-2LC	M	5:30pm - 8:05pm	15-week
3899 CH201-21LB	W	5:30pm - 8:25pm	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.

3315 CH202-1LC	Tu,Th	11am - 12:15pm	15-week
3316 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)

Gen Ed Computer Literacy

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

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

3852 CIS101-1	M,W	9:30am - 10:45am	15-week
3132 CIS101-2	M,W	11am - 12:15pm	15-week
3131 CIS101-3	M,W	12:30pm - 1:45pm	15-week
4084 CIS101-4	M,W	3:30pm - 4:45pm	15-week
3133 CIS101-5	Tu,Th	8am - 9:15am	15-week
3134 CIS101-6	Tu,Th	9:30am - 10:45am	15-week
3135 CIS101-7	Tu,Th	11am - 12:15pm	15-week
4085 CIS101-8	Tu,Th	12:30pm - 1:45pm	15-week
3137 CIS101-9	Tu,Th	2pm - 3:15pm	15-week
3138 CIS101-10	M	6:30pm - 8:30pm	2nd 10-Week
3136 CIS101-HYB1	F	9:30am - 11:55am	2nd 10-Week
3139 CIS101-HYB2	W	5:30pm - 7pm	13-week
3141 CIS101-HYB3	Th	5:30pm - 7:30pm	2nd 10-Week
3142 CIS101-ONL1	📖	ONLINE	15-week
4473 CIS101-ONL2	📖	ONLINE	1st 7-week
4383 CIS101-ONL3	📖	ONLINE	13-week
3143 CIS101-ONL4	📖	ONLINE	2nd 10-Week
3144 CIS101-ONL5	📖	ONLINE	2nd 7-week

CIS106 - Object Design and Programming (3)

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

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

3145 CIS106-1	M,W	9:30am - 10:45am	15-week
3146 CIS106-2	M,W	11am - 12:15pm	15-week
3147 CIS106-3	M,W	12:30pm - 1:45pm	15-week
3148 CIS106-4	M,W	2pm - 3:15pm	15-week
3853 CIS106-5	Tu,Th	9:30am - 10:45am	15-week
4086 CIS106-6	Tu,Th	11am - 12:15pm	15-week
3149 CIS106-7	Tu,Th	12:30pm - 1:45pm	15-week
4087 CIS106-HYB1	M	5pm - 6:30pm	15-week
3151 CIS106-HYB2	T	7pm - 9pm	2nd 10-Week
3150 CIS106-HYB3	Th	6:45pm - 9pm	13-week
4088 CIS106-ONL1	📖	ONLINE	13-week

CIS107 - Introduction to Programming (2)

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

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

4385 CIS107-HYB1	Tu	2pm - 4:30pm	2nd 7-week
4384 CIS107-HYB2	M	6:40pm - 7:55pm	2nd 8-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.

4414 CIS111B-ONL1	📖	ONLINE	2nd 7-week
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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.

4162 CIS111E-HYB1	M	5pm - 6:15pm	2nd 10-Week
3152 CIS111E-ONL1	📖	ONLINE	13-week

CIS111L - UNIX/Linux Operating System (3)

Prerequisite: CIS 101 or CIS 106

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

3153 CIS111L-HYB1	W	7:15pm - 8:30pm	15-week
4090 CIS111L-ONL1	📖	ONLINE	2nd 10-Week

CIS111M - PC Operating Systems (3)

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

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

3154 CIS111M-HY1L M 2:30pm - 3:45pm 15-week

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

3854 CIS111M-HY2L Th 3:30pm - 4:45pm 13-week

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

3155 CIS111M-HY3L Tu 5pm - 6:15pm 15-week

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

4091 CIS111M-HY4L W 5pm - 6:15pm 15-week

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

3156 CIS111M-ONLK ONLINE 13-week

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

CIS111R - Business Software Applications (3)

Emphasizes an integrated approach. Covers different software applications, from spreadsheets 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.

3157 CIS111R-ONL1 ONLINE 2nd 10-Week

CIS117 - Data Science Essentials (3)

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

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

4387 CIS117-ONL1 ONLINE 2nd 7-week

CIS118 - Data Analytics Using Spreadsheets (3)

Prerequisite or Corequisite: CIS 106 or CIS 111E

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

4388 CIS118-HYB1 Tu 5pm - 6:15pm 2nd 10-Week

CIS119 - Statistical Analysis System (SAS) (3)

Prerequisite: CIS 106

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

4389 CIS119-HYB1 Tu 6:30pm - 8:30pm 2nd 10-Week

CIS140 - Java Programming (3)

Prerequisite: CIS 106

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

3159 CIS140-HYB1 Th 5pm - 6:30pm 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.

3160 CIS170-HYB1 W 9:30am - 11:45am 2nd 8-week

3161 CIS170-HYB2 Tu 6:45pm - 9pm 2nd 8-week

4092 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.

3162 CIS173-ONL1 ONLINE 2nd 7-week

CIS175 - Game Theory and Design (3)

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

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

3919 CIS175-HYB1 Tu 5:30pm - 6:45pm 1st 5-week

CIS176 - Game Creation (3)

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

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

3920 CIS176-HYB1 Tu 5:30pm - 6:45pm 2nd 10-Week

CIS177 - Interactive 3D Technology (3)

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

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

4166 CIS177-HYB1 Tu 2pm - 4:30pm 1st 7-week

CIS178 - 3D Modeling and Animation (3)

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

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

4167 CIS178-HYB1 Tu 2pm - 4:30pm 2nd 8-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.

3163 CIS179-HYB1 W 2pm - 3:15pm 1st 7-week


3164 CIS179-HYB2 M 6:40pm - 7:55pm 13-week

3958 CIS179-ONL1 ONLINE 2nd 10-Week

CIS180 - Networking Fundamentals (3)

Prerequisite: CIS 106 or CIS 111M

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

3165 CIS180-HYB1	W	9:30am - 11:45am	1st 7-week
3166 CIS180-HYB2	Tu	6:45pm - 9pm	1st 7-week
3855 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.

3167 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.

3168 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.

3169 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.

3170 CIS193-ONL1		ONLINE	2nd 7-week
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CIS200 - IT Support Services (3)

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

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

4415 CIS200-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.

3171 CIS201-HYB1	Tu,Th	11am - 12:15pm	13-week
3172 CIS201-HYB2	W	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 tradeoffs. Covers fundamental computing algorithms including sorting, searching, and manipulating dynamic data structures, such as lists, stacks, queues, trees, graphs and hash tables. Investigates recursion including applications to algorithms and data structures. Integrates further software engineering concepts including data abstraction and participation in team programming projects. Projects will be completed using a language that supports the object-oriented paradigm (Java).

3173 CIS202-HYB1	W	5pm - 7pm	13-week
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CIS203 - Systems Analysis & Design (3)

Prerequisite: CIS 106

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

3174 CIS203-HYB1	W	12:30pm - 1:45pm	13-week
4210 CIS203-HYB2	M	5:05pm - 6:20pm	13-week
3175 CIS203-ONL1		ONLINE	2nd 10-Week

CIS204 - Computer & Information Sciences Project (3)

Prerequisite: CIS 203

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

3176 CIS204-ONL1		ONLINE	2nd 10-Week
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CIS208 - C++ Programming (3)

Prerequisite: CIS 106

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

3856 CIS208-HYB1	Th	6:45pm - 9pm	2nd 10-Week
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CIS212 - PC Repair & Diagnostics (3)

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

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

3177 CIS212-HY1L	M	3:45pm - 5pm	15-week
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Note: Students must register for both CIS212-HY1L and CIS111M-HY1L.

3857 CIS212-HY2L	Th	4:45pm - 6pm	13-week
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Note: Students must register for both CIS212-HY2L and CIS111M-HY2L.

3178 CIS212-HY3L	Tu	6:15pm - 7:30pm	15-week
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Note: Students must register for both CIS212-HY3L and CIS111M-HY3L.

4103 CIS212-HY4L	W	6:15pm - 7:30pm	15-week
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Note: Students must register for both CIS212-HY4L and CIS111M-HY4L.

3179 CIS212-ONL1		ONLINE	13-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.

3180 CIS217-HYB1	Th	5pm - 6:30pm	15-week
3181 CIS217-ONL1		ONLINE	2nd 10-Week

CIS218 - Information Security & Assurance (3)

Prerequisite or Corequisite: CIS 106

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

3182	CIS218-HYB1	M	6:30pm - 7:45pm	13-week
3858	CIS218-ONL1	📖	ONLINE	2nd 10-Week

CIS219 - Ethical Hacking and Systems Defense (3)

Prerequisite: CIS 106

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

3183	CIS219-HYB1	W	5pm - 7pm	13-week
4104	CIS219-ONL1	📖	ONLINE	2nd 10-Week

CIS222 - Computer Organization (4)

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

3184	CIS222-HYB1	W	7:15pm - 8:30pm	13-week
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CIS223 - Cloud Security (3)

Prerequisite or Corequisite: CIS 180 or CIS 190

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

3185	CIS223-HYB1	M	8pm - 9:15pm	15-week
3859	CIS223-ONL1	📖	ONLINE	2nd 10-Week

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

Prerequisite: CIS 106

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

4413	CIS225C-HYB1	M	5pm - 6:30pm	13-week
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CIS226 - Game Scripting (3)

Prerequisite or Corequisite: CIS 106

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

3186	CIS226-HYB1	W	7:15pm - 8:30pm	13-week
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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.

4412	CIS227-HYB1	Th	5pm - 6:30pm	13-week
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CIS228 - Simulation and Game Development (4)

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.

4391	CIS228-HYB1	Tu	5pm - 6:45pm	13-week
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CIS230 - Database Management Systems (3)

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

3860	CIS230-HYB1	Tu	7pm - 8:45pm	2nd 10-Week
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CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)

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

Presents a history of criminal justice, with emphasis on English antecedents important to the administration of justice in the United States. Introduces the United States Constitution and Supreme Court decisions affecting individual rights and law enforcement practices. Includes career orientation through an analysis of criminal justice agencies.

3347	CJ101-1	M,W	11am - 12:15pm	15-week
4209	CJ101-2	Tu,Th	12:30pm - 1:45pm	15-week
3348	CJ101-ONL1	📖	ONLINE	13-week

CJ108 - Serial Killers: Psychosocial Perspectives (3)

Prerequisite: EN 70 or EN 75 or 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.

3349	CJ108-1	Tu	6pm - 8:35pm	15-week
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CJ110 - Criminal Law (3)

Prerequisite: EN 101

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

3351	CJ110-1	Tu,Th	9:30am - 10:45am	15-week
3350	CJ110-2	M	6pm - 8:35pm	15-week

CJ204 - Police Operational Services (3)

Prerequisites: CJ 101, CJ 110

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

3931	CJ204-1	M,W	3:30pm - 4:45pm	15-week
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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.

3352	CJ214-1	M,W	12:30pm - 1:45pm	15-week
4403	CJ214-ONL1	📖	ONLINE	13-week

CJ220 - Criminal Evidence & Procedure (3)

Prerequisite: CJ 110

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

4448	CJ220-1	Tu,Th	3:30pm - 4:45pm	15-week
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CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)

Gen Ed Arts

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

Surveys the functions and effects of the electronic mass media. Emphasis will be placed on researching and analyzing the history of radio and television, including government regulations, audience measurement, advertising and careers in broadcasting.

3675 CMM101-1	M,W	2pm - 3:15pm	15-week
4306 CMM101-2	Tu,Th	9:30am - 10:45am	15-week
4443 CMM101-ONL1	📺	ONLINE	13-week

CMM103 - Introduction to Film (3)

Gen Ed Arts

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

4307 CMM103-1	M,W	9:30am - 10:45am	15-week
3678 CMM103-2	M	1pm - 3:30pm	15-week
3679 CMM103-3	Tu	6pm - 8:35pm	15-week
3680 CMM103-4	Th	6pm - 8:35pm	15-week
3681 CMM103-ONL1	📺	ONLINE	15-week
3957 CMM103-ONL2	📺	ONLINE	2nd 8-week
4466 CMM103-LK1	Tu,Th	2pm - 3:15pm	15-week

Topic: Heroes in Literature and Popular Culture.

Note: Students must register for both EN102-LK1 and CMM103-LK1.

CMM103H - Introduction to Film (3)

Gen Ed Arts

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

3981 CMM103H-LK1	Tu,Th	9:30am - 10:45am	15-week
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Note: Students must register for both CMM103H-LK1 and EN102H-LK1.

CMM 105 - Basic Darkroom to Digital Photography (3)

Gen Ed Arts

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

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

3682 CMM105-1	Th	9:30am-12pm	15-week
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Note: Students must furnish own supplies; 1st 8 weeks held at Hood College, Archaeology Lab, Tatem 228, Darkroom Tatem 301; 2nd 7 weeks held at FCC Main Campus, room F107.

CMM111 - Communications Graphics I (3)

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

3685 CMM111-1	M,W	9:30am - 10:45am	15-week
3686 CMM111-2	Tu,Th	9:30am - 10:45am	15-week
3687 CMM111-3	Tu,Th	2pm - 3:15pm	15-week
4445 CMM111-4	M,W	6pm - 8:35pm	2nd 8-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.

3935 CMM112-1	M,W	11am - 1:50pm	1st 7-week
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CMM114 - Web Design I (3)

Prerequisite: CMM 111 or CMM 132

Presents beginning level design for the Internet. Taught from a design perspective, students learn software, hardware, and design principles used to produce successful web sites.

Assignments include the design and creation of web publications. Lectures cover the study and critique of contemporary web design. Primary Software: HTML, Adobe Dreamweaver, Photoshop and Imageready.

4183 CMM114-1	Th	11am - 1:30pm	15-week
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CMM115 - Professional and Transfer Portfolio (1)

Prerequisite: CMM 112 or CMM 212

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

3688 CMM115-1	Tu	11am - 1:30pm	2nd 5-week
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CMM131 - Darkroom Photography I (4)

Provides a basic understanding of photography as technique and craftsmanship, photography in communications, as a method of expression and the scientific basis of photography.

Covers the basic techniques with cameras, exposure of film, developing of film, printmaking, composition, light, action photography, manipulation of the image in the darkroom, basic chemistry of photography, sensitometry and color as it is seen. Students provide cameras and accessory equipment.

3864 CMM131-1LC	Tu	6pm - 8:30pm	15-week
3865 CMM131-1LB	Th	6pm - 8:30pm	15-week

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

Note: Course meets at Hood College, Rooms: Tatem 228 and Tatem 301.

CMM132 - Digital Photography I (3)

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

4308 CMM132-1	M,W	3:30pm - 4:45pm	15-week
3689 CMM132-2	Tu,Th	3:30pm - 4:45pm	15-week
3690 CMM132-3	F	9:30am - 2pm	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.

3691 CMM152-1C	M,W	9am - 10:40am	15-week
3692 CMM152-2C	M,W	1pm - 2:40pm	15-week
3693 CMM152-3C	Tu,Th	9am - 10:40am	15-week
4462 CMM152-4	M	6pm - 9:20pm	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.

3936 CMM212-1 M,W 11am - 1:50pm 2nd 8-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.

3694 CMM252-1C M,W 9am - 10:40am 15-week

3695 CMM252-2C M,W 1pm - 2:40pm 15-week

3696 CMM252-3C Tu,Th 9am - 10:40am 15-week

CMM254 - Postproduction: The Art of Editing (4)

Prerequisite: CMM 152 or CMM 252

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

3697 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.

4423 CMM256-1 Tu,Th 3pm - 4:40pm 15-week

CMM261 - Advanced Postproduction & Motion Graphics (4)

Prerequisite: CMM 254

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

3698 CMM261-1C Tu,Th 1pm - 2:40pm 15-week

CMSP: Communications Speech

CMSP101 - Introduction to Communication Studies (3)

Gen Ed Communications

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

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

4309 CMSP101-1 M,W 12:30pm - 1:45pm 15-week

3934 CMSP101-2 M,W 2pm - 3:15pm 15-week

3699 CMSP101-3 Tu,Th 9:30am - 10:45am 15-week

4179 CMSP101-4 M 6pm - 8:35pm 15-week

CMSP103 - Speech Fundamentals (3)

Gen Ed Communications

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

Emphasizes the attainment of understanding and skill in public speaking. Assignments require analyzing the audience, researching, organizing, outlining, supporting and delivering a variety of extemporaneous speeches.

3700 CMSP103-1 M,W 8am - 9:15am 15-week

3701 CMSP103-2 M,W 9:30am - 10:45am 15-week

4310 CMSP103-3 M,W 11am - 12:15pm 15-week

3702 CMSP103-4 M,W 12:30pm - 1:45pm 15-week

3703 CMSP103-5 Tu,Th 9:30am - 10:45am 15-week

3704 CMSP103-6 Tu,Th 9:30am - 10:45am 15-week

3705 CMSP103-7 Tu,Th 11am - 12:15pm 13-week

3706 CMSP103-8 Tu,Th 12:30pm - 1:45pm 15-week

3707 CMSP103-9 Tu,Th 2pm - 3:15pm 15-week

4046 CMSP103-10 Tu 6pm - 8:35pm 15-week

3708 CMSP103-11 W 6pm - 8:35pm 15-week

3709 CMSP103-ONL1 ONLINE 15-week

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

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

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

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

4311 CMSP105-1 M,W 8am - 9:15am 15-week

3710 CMSP105-2 M,W 9:30am - 10:45am 15-week

3711 CMSP105-3 M,W 11am - 12:15pm 15-week

3712 CMSP105-4 M,W 12:30pm - 1:45pm 15-week

3713 CMSP105-5 M,W 2pm - 3:15pm 15-week

3714 CMSP105-6 Tu,Th 9:30am - 10:45am 15-week

3715 CMSP105-7 Tu,Th 11am - 12:15pm 15-week

4312 CMSP105-8 Tu,Th 11am - 12:15pm 15-week

3716 CMSP105-9 Tu,Th 12:30pm - 2pm 13-week

3718 CMSP105-10 Tu,Th 12:30pm - 2:55pm 2nd 8-week

3717 CMSP105-11 Tu,Th 2pm - 3:15pm 15-week

3719 CMSP105-12 F 11am - 1:35pm 15-week

3720 CMSP105-13 M 5:30pm - 8:05pm 15-week

3721 CMSP105-14 Tu 5:30pm - 8:05pm 13-week

3842 CMSP105-15 Th 5:30pm - 8:05pm 15-week

4469 CMSP105-HYB1 M 7:30pm-8:50pm 2nd 7-week

CMSP107 - Career Communication (3)

Gen Ed Communications

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

Offers students knowledge and skills needed to communicate within their prospective professions and with others outside those professions. Assignments in interview, group discussion and extemporaneous speaking are adapted to individual students.

3722 CMSP107-1 M,W 9:30am - 10:45am 15-week

4444 CMSP107-2 Tu 6pm - 8:35pm 15-week

3723 CMSP107-ONL1 ONLINE 15-week

Note: Mandatory on-campus session: Saturday, 4/8, 8:30am-12:30pm

Inclment weather makeup day: Saturday, 4/15, 8:30am-12:30pm

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.

3724 CMSP201-1 M,W 11am - 12:15pm 15-week

CON: Construction Management

CON101 - Construction Management (3)

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

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

3187 CON101-ONL1  **ONLINE** **15-week**

CON132 - Materials & Methods of Construction (3)

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

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

4395 CON132-1 **Th** **5pm - 7:35pm** **15-week**

CON140 - Architectural Blueprint Reading (3)

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

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

3188 CON140-1 **M** **5pm - 7:35pm** **15-week**

CON203 - Site Management (3)

Prerequisites or Corequisites: CON 101 and CON 132

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

4396 CON203-1 **Th** **5pm - 7:35pm** **15-week**

CON204 - Construction Project Cost Estimating (3)

Prerequisite: CON 101 or CAD 101, and CON 133; Note: students who do not have experience using spreadsheet software (Excel) should take an introductory course in spreadsheet applications prior to taking this course.

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

4397 CON204-1 **Tu** **5pm - 7:35pm** **15-week**

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.

4398 CON206-1 **W** **5pm - 7:35pm** **15-week**

EC: Economics

EC201 - Principles of Economics (3)

Gen Ed Economics

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

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

3189 EC201-1	M,W	8am - 9:15am	15-week
4083 EC201-2	M,W	11am - 12:15pm	15-week
3190 EC201-3	Tu,Th	9:30am - 10:45am	15-week
3191 EC201-4	Tu,Th	12:30pm - 1:45pm	15-week
3193 EC201-HYB1	SAT	9am - 11:35am	1st 7-week Saturday
3194 EC201-HYB2	M	5pm - 8pm	2nd 7-week
3192 EC201-HYB3	W	5pm - 8pm	1st 7-week
3195 EC201-ONL1		ONLINE	15-week
3861 EC201-ONL2		ONLINE	1st 7-week

EC202 - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EC 201

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

3196 EC202-1	M,W	2pm - 3:15pm	15-week
4474 EC202-2	Tu,Th	8am - 9:15am	15-week
3198 EC202-3C	Tu,Th	2pm - 3:15pm	15-week
3197 EC202-HYB1	Tu	9:30am - 10:45am	15-week
3200 EC202-HYB2	SAT	9am - 11:35am	2nd 7-week Saturday
3199 EC202-HYB3	W	5pm - 8pm	2nd 7-week
3201 EC202-ONL1		ONLINE	15-week

EC202H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EC 201

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


3202 EC202H-3C **Tu,Th** **2pm - 3:15pm** **15-week**

ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)

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

Examines conceptual framework for understanding the role of the early childhood education professional. Content focuses on the profession of early childhood education in the context of historical, philosophical, and social influences. Units of study also review contemporary trends, issues and practices in the field of early childhood education.

3353 ECD101-1	Tu,Th	9:30am - 10:45am	15-week
3354 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.

3968 ECD104-1	M,W	12:30pm - 1:45pm	15-week
3355 ECD104-HYB1	M	6pm - 8:30pm	2nd 8-week

ECD106 - Infants & Toddlers Development and Care (3)

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

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

4428 ECD106-HYB1 W 7:45pm - 9pm 15-week

ECD210 - Directed Practicum in Early Childhood (3)

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

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

3357 ECD210-1 Tu 9am - 1pm 15-week

3874 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.

3358 ECD212-HYB1 SAT 9am - 1:15pm 2nd 7-week Saturday

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.

3359 ECD213-HYB1 SAT 9am - 1:15pm 1st 7-week Saturday

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.

3873 ECD230-ONL1 ONLINE 1st 8-week

ED: Education

ED100 - Child Development & Behavior (3)

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

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

3360 ED100-1 M,W 11am - 12:15pm 15-week

3970 ED100-ONL1 ONLINE 15-week

ED102 - Schools and Society (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) It is strongly recommended that students pass this course prior to ED 202 and ED 203, if applicable.

Examines the historical, philosophical, and social development of American education. Students will learn methods, concepts, and principles of education. They analyze and reflect on the processes of teaching and learning. They explore the interrelationships of education, social institutions, and pluralistic culture. Students will also reflect on ways that values, skills, and experience shape and are shaped by schooling and society. Observations, teaching, and a portfolio are required. Fifteen hours of documented observation are required.

3361 ED102-1 M,W 9:30am - 10:45am 15-week

3362 ED102-2 Tu,Th 11am - 12:15pm 15-week

4296 ED102-3 Tu,Th 12:30pm - 1:45pm 13-week

3363 ED102-ONL1 ONLINE 13-week

ED202 - Educational Psychology (3)

Prerequisites: EN 70 or EN 75 or EN 50A or EN 61 or ESL 95 or ESL 73, and PS 101. It is strongly recommended that students pass ED 102, if applicable, prior to taking this course.

Introduces the nature and theories of learning processes. Focuses on classroom interaction and its influence upon the learning process and the growth and development of the child. (This course satisfies the Maryland State Department of Education professional education course work in human learning.) Fifteen hours of documented observation are required.

3364 ED202-1 M,W 11am - 12:15pm 15-week

3365 ED202-ONL1 ONLINE 15-week

ED203 - Foundations of Special Education (3)

Cultural Competence

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) It is strongly recommended that students pass ED 102 or ECD 101, if applicable, prior to taking this course.

Provides an overview of critical issues and strategies related to educating students who have been identified as exceptional. The course content focuses on historical and legal foundations of special education, inclusive education, developmental characteristics of exceptional students, and strategies for accommodating students. (This course satisfies the Maryland State Department of Education professional education course work in inclusion of special populations.) Fifteen hours of documented observation are required.

4426 ED203-1 M,W 12:30pm - 1:45pm 15-week

3366 ED203-2C Tu,Th 9:30am - 10:45am 15-week

3367 ED203-ONL1 ONLINE 15-week

ED203H - Foundations of Special Education (3)

Cultural Competence

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) It is strongly recommended that students pass ED 102 or ECD 101, if applicable, prior to taking this course.

Provides an overview of critical issues and strategies related to educating students who have been identified as exceptional. The course content focuses on historical and legal foundations of special education, inclusive education, developmental characteristics of exceptional students, and strategies for accommodating students. (This course satisfies the Maryland State Department of Education professional education course work in inclusion of special populations.) Fifteen hours of documented observation are required.

4435 ED203H-2C Tu,Th 9:30am - 10:45am 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.

3368 ED214-1 M,W 12:30pm - 1:45pm 15-week

3369 ED214-ONL1 ONLINE 15-week

ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Presents central concepts related to parameters of human development through the life span. Includes physical, social, emotional and mental development at the various stages of life. Considers the influence of culture as well as individual differences.

3370 ED/PS208-1	M,W	8am - 9:15am	15-week
3371 ED/PS208-2	M,W	9:30am - 10:45am	15-week
3372 ED/PS208-3	M,W	11am - 12:15pm	15-week
4298 ED/PS208-4	M,W	2pm - 3:15pm	15-week
3875 ED/PS208-5	Tu,Th	9:30am - 10:45am	15-week
3373 ED/PS208-6C	Tu,Th	11am - 12:15pm	15-week
3374 ED/PS208-7	Tu,Th	12:30pm - 1:45pm	15-week
3375 ED/PS208-8	M	6pm - 8:35pm	15-week
3376 ED/PS208-ONL1		ONLINE	15-week
3377 ED/PS208-ONL2		ONLINE	2nd 8-week

ED/PS208H - Human Growth and Development (3)

Gen Ed Education

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Presents central concepts related to parameters of human development through the life span. Includes physical, social, emotional and mental development at the various stages of life. Considers the influence of culture as well as individual differences.

4427 ED/PS208H-6C	Tu,Th	11am - 12:15pm	15-week
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EG: Engineering

EG100 - Introductory Engineering Science (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 111

Develops basic concepts of engineering approaches to problem solving and the skills for the design and timely fabrication of the designed product.

3317 EG100-1	Th	12:30pm - 3:05pm	15-week
3318 EG100-2	W	5:30pm - 8:05pm	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.

3319 EG210-1	Tu,Th	11am - 12:15pm	15-week
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EM: Emergency Management

EM102 - Emergency Management Planning (3)

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

Provides the student with a thorough understanding of 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.

4033 EM102-1	W	5pm - 7:30pm	15-week
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EM104 - Disaster Response and Recovery (3)

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

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

4034 EM104-ONL1		ONLINE	15-week
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EM106 - Mitigation and Hazard Management (3)

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

4331 EM106-ONL1		ONLINE	15-week
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EM110 - Federal Emergency Management (3)

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

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

4332 EM110-ONL1		ONLINE	15-week
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EM201 - Research and Technology in Emergency Management (3)

Prerequisite: EM 102

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

4468 EM201-ONL1		ONLINE	15-week
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EM205 - Emergency Management Leadership (3)

Prerequisite or Corequisite: EM 201

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

4202 EM205-HYB1	Tu	5pm - 7:30pm	15-week
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EM210 - Emergency Management Capstone (3)

Prerequisite: EN 101; Prerequisite or Corequisite: EM 205

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

4377 EM210-HYB1	M	5pm - 7:30pm	15-week
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EN: English

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

Prerequisite: Appropriate scores on the reading and writing placement tests

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

4417 EN70-1	M,Tu,W,Th	9:30am - 10:45am	15-week
4282 EN70-2	M,Tu,W,Th	11am - 12:15pm	15-week
4283 EN70-3	M,W	6pm - 8:30pm	15-week

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

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

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

4284 EN75-1	M,Tu,W,Th	9:30am - 10:45am	1st 10-Week
4418 EN75-2	M,Tu,W,Th	9:30am - 10:45am	1st 10-Week
4285 EN75-3	M,Tu,W,Th	11am - 12:15pm	1st 10-Week
4286 EN75-4	M,Tu,W,Th	11am - 12:15pm	1st 10-Week
4287 EN75-5	M,Tu,W,Th	12:30pm - 1:45pm	1st 10-Week
4419 EN75-6	M,Tu,W,Th	12:30pm - 1:45pm	1st 10-Week
4288 EN75-7	M,W	2pm - 3:40pm	15-week
4290 EN75-8	Tu,Th	2pm - 4:30pm	2nd 10-Week
4420 EN75-9	M,W	6pm - 7:40pm	15-week
4289 EN75-10	Tu,Th	6pm - 7:40pm	15-week

EN101 - English Composition (3)

Gen Ed English

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

OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

3554 EN101-1	M,W	8am - 9:15am	15-week
3555 EN101-2	M,W	9:30am - 10:45am	15-week
3556 EN101-3	M,W	9:30am - 10:45am	15-week
4405 EN101-4	M,W	9:30am - 10:45am	15-week
3557 EN101-5	M,W	11am - 12:15pm	15-week
3558 EN101-6	M,W	11am - 12:15pm	15-week
3567 EN101-7	M,W	11am - 12:15pm	15-week
3559 EN101-8	M,W	12:30pm - 1:45pm	15-week
4271 EN101-9	M,W	12:30pm - 1:45pm	15-week
4272 EN101-10	M,W	2pm - 3:15pm	15-week
3560 EN101-11	M,W	2pm - 3:15pm	15-week
3561 EN101-12	M,W	3:30pm - 4:45pm	15-week
3562 EN101-13	M,W	3:30pm - 5:45pm	2nd 8-week
3563 EN101-14	Tu,Th	8am - 9:15am	15-week
3564 EN101-15	Tu,Th	9:30am - 10:45am	15-week
3565 EN101-16	Tu,Th	9:30am - 10:45am	15-week
3566 EN101-17	Tu,Th	11am - 12:15pm	15-week
3568 EN101-18	Tu,Th	12:30pm - 1:45pm	15-week
4406 EN101-19	Tu,Th	12:30pm - 1:45pm	15-week
3569 EN101-20	Tu,Th	2pm - 3:15pm	15-week
3570 EN101-21	Tu,Th	2pm - 3:15pm	15-week
3571 EN101-22	Tu,Th	3:30pm - 4:45pm	15-week
4291 EN101-23	Tu,Th	3:30pm - 4:45pm	13-week

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

3572 EN101-24	F	9:30am - 12:15pm	15-week
3574 EN101-25	M	6pm - 8:35pm	15-week
3575 EN101-26	Tu	6pm - 8:35pm	15-week
4273 EN101-27	W	6pm - 8:35pm	15-week
3576 EN101-28	Th	6pm - 8:35pm	15-week
4407 EN101-HYB1	M	6pm - 7:15pm	15-week

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

3577 EN101-ONL1		ONLINE	15-week
3578 EN101-ONL2		ONLINE	15-week
3579 EN101-ONL3		ONLINE	1st 8-week
3580 EN101-ONL4		ONLINE	2nd 8-week

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

3581 EN101-LK1	M,W	8am - 9:15am	15-week
3582 EN101-LK2	M,W	10:30am - 11:45am	15-week
3586 EN101-LK3	M,W	11am - 12:15pm	15-week

Note: This is an EN101 'S' class. Students must register for EN101-LK8 and ACE100-LK8.

3587 EN101-LK4	M,W	12:30pm - 1:45pm	15-week
Note: This is an EN101 'S' class. Students must register for EN101-LK3 and ACE100-LK3.			
4421 EN101-LK5	M,W	3:30pm - 4:45pm	15-week
4300 EN101-LK6	Tu,Th	8am - 9:15am	15-week
3583 EN101-LK7	Tu,Th	10:30am - 11:45am	15-week
Note: This is an EN101 'S' class. Students must register for EN101-LK4 and ACE100-LK4.			
3584 EN101-LK8	Tu,Th	1pm - 2:15pm	15-week
Note: This is an EN101 'S' class. Students must register for EN101-LK5 and ACE100-LK5.			
3585 EN101-LK9	Tu,Th	3:30pm - 4:45pm	15-week
Note: This is an EN101 'S' class. Students must register for EN101-LK6 and ACE100-LK6.			
4301 EN101-LK10	F	9am - 11:35am	15-week
4151 EN101-LK11	W	5:30pm - 8:05pm	15-week
Note: This is an EN101 'S' class. Students must register for EN101-LK7 and ACE100-LK7.			
3588 ACE100-LK1	M,W	9:30am - 10:20am	15-week
3589 ACE100-LK2	M,W	12pm - 12:50pm	15-week
4422 ACE100-LK3	M,W	12:30pm - 1:20pm	15-week
3593 ACE100-LK4	M,W	2pm - 2:50pm	15-week
3594 ACE100-LK5	M,W	5pm - 5:50pm	15-week
3590 ACE100-LK6	Tu,Th	9:30am - 10:20am	15-week
3591 ACE100-LK7	Tu,Th	12pm - 12:50pm	15-week
3592 ACE100-LK8	Tu,Th	2:30pm - 3:20pm	15-week
4152 ACE100-LK9	Tu,Th	5pm - 5:50pm	15-week
4302 ACE100-LK10	F	11:50am - 1:30pm	15-week
4303 ACE100-LK11	W	8:15pm - 9:55pm	15-week

EN101H - English Composition (3)

Gen Ed English

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

OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

3595 EN101H-1	M,W	12:30pm - 1:45pm	15-week
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EN102 - English Composition and Literature (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

3596 EN102-1	M,W	8am - 9:15am	15-week
3601 EN102-2	M,W	9:30am - 10:45am	15-week
3597 EN102-3	M,W	9:30am - 10:45am	15-week
3598 EN102-4	M,W	11am - 12:15pm	15-week
3599 EN102-5	M,W	12:30pm - 1:45pm	15-week
3600 EN102-6	M,W	2pm - 3:15pm	15-week
3602 EN102-7	M,W	3:30pm - 5:30pm	13-week
3604 EN102-8	Tu,Th	12:30pm - 1:45pm	15-week
3603 EN102-9	Tu,Th	2pm - 3:15pm	15-week
3606 EN102-10	Tu,Th	2pm - 3:15pm	15-week
3607 EN102-11	Tu,Th	3:30pm - 4:45pm	15-week
4270 EN102-12	W	6pm - 8:35pm	15-week
3608 EN102-ONL1		ONLINE	15-week
3609 EN102-ONL2		ONLINE	15-week
3605 EN102-LK1	Tu,Th	12:30pm - 1:45pm	15-week

Topic: Heroes in Literature and Popular Culture.

Note: Students must register for both EN102-LK1 and CMM103-LK1.

EN102H - English Composition and Literature (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

3966 EN102H-LK1	Tu,Th	11am - 12:15pm	15-week
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Note: Students must register for both EN102H-LK1 and CMM103H-LK1.

EN202 - British Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

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

4137 EN202-1 **M,W** **2pm - 3:15pm** **15-week**

EN204 - American Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

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

3610 EN204-1 **M,W** **11am - 12:15pm** **15-week**

EN206 - World Literature (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: EN 101

Surveys major world writers from 1650 CE through the present.

4142 EN206-1 **Tu,Th** **2pm - 3:15pm** **15-week**

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.

3611 EN210-1 **Tu,Th** **2pm - 3:15pm** **15-week**

EN212 - Newswriting and Reporting (3)

Prerequisite: EN 101

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

3612 EN212-1 **M,W** **11am - 12:15pm** **15-week**

EN216 - The Short Story (3)

Gen Ed Humanities

Prerequisite: EN 101

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

3614 EN216-ONL1  **ONLINE** **15-week**

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

Prerequisite: EN 210 or permission of instructor

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

3929 EN222-1 **M,W** **2pm - 3:15pm** **15-week**

EN223 - Classical Mythology (3)

Gen Ed Humanities

Prerequisite: EN 101

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

3615 EN223-1 **Th** **5:30pm - 8:05pm** **15-week**

EN230 - African American Literature (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: EN 101

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

3616 EN230-1 **M,W** **12:30pm - 1:45pm** **15-week**

EN/CMM: English & Communications

EN/CMM241 - Journalism Publication Practicum (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

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

3866 EN/CMM241-1 **M,W** **2pm - 3:15pm** **15-week**

ESL: ESL (English as a Second Language)

ESL70 - Academic Reading I (0) [4]

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

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

3909 ESL70-1 **M,W** **9am - 10:45am** **15-week**

4292 ESL70-2 **M,W** **6pm - 7:55pm** **13-week**

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

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

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.

3910 ESL71-1 **M,W** **12:30pm - 2:15pm** **15-week**

3989 ESL71-2 **SAT** **9am - 12:30pm** **14-week**

4293 ESL71-3 **Tu,Th** **6pm - 7:55pm** **13-week**

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

ESL72 - Academic Reading II (0) [4]

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

Corequisite: ESL 73

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

3969 ESL72-1 **Tu,Th** **11am - 12:45pm** **15-week**

3985 ESL72-2 **M,W** **6pm - 7:55pm** **13-week**

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

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

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

Corequisite: ESL 72

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

3986 ESL73-1 **Tu,Th** **9am - 10:45am** **15-week**

4294 ESL73-2 **SAT** **9am - 12:30pm** **14-week**

3987 ESL73-3 **Tu,Th** **6pm - 7:55pm** **13-week**

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

FSA: Fire Service Administration

FSA105 - Risk Assessment, Reduction, and Safety (3)

Prerequisites or Corequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines the concepts of community sociology, the role of fire-related organizations within the community, and their impact on shaping community policy and master planning. Components of risk identification, risk evaluation, incident management, and accountability systems are examined. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

3953 FSA105-1	M	7pm - 10pm	15-week
3954 FSA105-2	Tu	7pm - 10pm	15-week

Note: This class will be held at both the main FCC campus and the Fire Academy. Please verify class locations with instructor

FSA107 - Disaster Planning and Response (3)

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

3955 FSA107-1	W	7pm - 10pm	15-week
3956 FSA107-2	Th	7pm - 10pm	15-week

Note: This class will be held at both the main FCC campus and the Fire Academy. Please verify class locations with instructor

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.

4105 FSA203-1	W,Th	7pm - 10pm	15-week
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GG: Geography


GG101 - Elements of Geography (3)

Gen Ed Geography
Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72
Explores elements of man's environment and the changes resulting from natural and human agents. Includes map reading and interpretation.

3378 GG101-1	M,W	9:30am - 10:45am	15-week
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GG102 - Cultural Geography (3)





Gen Ed Geography; Cultural Competence
Prerequisite: EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72
Studies man in his regional settings, with emphasis on the interrelationships of physical and cultural phenomena.

3380 GG102-2	Tu	6pm - 8:35pm	15-week
3381 GG102-1	Tu,Th	11am - 12:15pm	15-week
3382 GG102-ONL1		ONLINE	15-week

HE: Health Education


HE102 - Nutrition in a Changing World (3)

Gen Ed Wellness
Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR *Corequisite:* EN 75
Presents the basic principles of human nutrition with emphasis on the nutrients and factors that affect their use in the human body.

3461 HE102-1	M,W	9:30am - 10:45am	15-week
3462 HE102-2	M,W	2pm - 3:15pm	15-week
3463 HE102-3	Tu,Th	11am - 1:30pm	2nd 7-week
3464 HE102-4	Tu,Th	12:30pm - 1:45pm	15-week
3465 HE102-5	W	9:30am - 12pm	15-week
3466 HE102-6	Tu	6pm - 8:30pm	15-week
3467 HE102-ONL1		ONLINE	15-week
3468 HE102-ONL2		ONLINE	15-week
3469 HE102-ONL3		ONLINE	1st 8-week
3470 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.

3471 HE110-1	F	9:30am - 11:30am	1st 7-week
3472 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.

3473 HE115-1	F	9:30am - 11:30am	2nd 7-week
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HE120 - CPR/AED and Basic First Aid (1)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Introduces the student to the basics of emergency first aid treatment and safety. Students successfully completing this course will receive the American Heart Association (AHA) HeartSaver certification in First Aid, Cardio Pulmonary Resuscitation (CPR), and Automated External Defibrillator (AED).

3911 HE120-1	Tu,Th	9:30am - 10:45am	1st 7-week
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HE130 - Advanced Tai Chi - Cultural Perspective (3)

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.

4471 HE130-1	M,W	9:30am - 10:45am	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.

3474 HE200-1	Tu,Th	11am - 1:30pm	1st 8-week
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HE201 - Stress Management (3)

Gen Ed Wellness

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

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

3475 HE201-1	M,W	12:30pm - 1:45pm	15-week
3476 HE201-2	Tu,Th	8am - 9:15am	15-week
3477 HE201-3	Tu,Th	2pm - 3:15pm	15-week
3478 HE201-4	W	9:30am - 12pm	15-week
3479 HE201-5	Tu	5pm - 7:35pm	15-week
4472 HE201-HYB1	M	7:30pm-8:40pm	1st 8-week
3480 HE201-ONL1		ONLINE	15-week
3481 HE201-ONL2		ONLINE	15-week

HE204 - Health Education (3)

Gen Ed Wellness

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

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

3483 HE204-1	Tu,Th	9:30am - 10:45am	15-week
3484 HE204-2	Tu,Th	11am - 12:15pm	15-week
3485 HE204-3	W	1pm - 3:30pm	15-week
3482 HE204-HYB1	M	2pm - 3:30pm	15-week
3486 HE204-ONL1		ONLINE	15-week

HI: History

HI101 - History of Western Civilization (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Surveys the development of Western civilization from ancient times to 1500.

3384 HI101-1	Tu,Th	11am - 12:15pm	15-week
3385 HI101-2	Tu,Th	2pm - 3:15pm	15-week

HI102 - History of Western Civilization (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Covers Western history from 1500 to the present.

3386 HI102-1	M,W	9:30am - 10:45am	15-week
4153 HI102-2	Tu,Th	12:30pm - 1:45pm	15-week
4370 HI102-ONL1		ONLINE	15-week

HI201 - History of the United States (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines the economic, political and social forces that have shaped the patterns of life, institutions and thought in the United States through the Civil War.

3387 HI201-1	M,W	9:30am - 10:45am	15-week
3388 HI201-2	Tu,Th	8am - 9:15am	13-week
3389 HI201-3	Tu,Th	12:30pm - 1:45pm	15-week
3869 HI201-4	W	6pm - 8:35pm	15-week
3390 HI201-ONL1		ONLINE	15-week

HI202 - History of the United States (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Covers United States history from Reconstruction to the present.

3392 HI202-1	M,W	12:30pm - 1:45pm	13-week
3391 HI202-2	Tu,Th	11am - 12:15pm	15-week
3992 HI202-ONL1		ONLINE	15-week

HI202H - History of the United States (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Covers United States history from Reconstruction to the present.

3980 HI202H-1	M,W	11am - 12:15pm	15-week
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HI214 - The Civil Rights Movement (3)

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

3393 HI214-1	M,W	12:30pm - 1:45pm	15-week
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HI221 - The Sixties (3)

Gen Ed History

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines one of America's most turbulent decades: the 1960s. This course explores the Civil Rights Movement, the Vietnam War, the Anti-War Movement, and changing cultural and social mores. Emphasis will include an examination of the history, politics, literature, and music of the era.

4430 HI221-1	Tu	6pm - 8:30pm	15-week
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Honors College

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

ACE101H - Academic Engagement Seminar (3)

Gen Ed Interdisciplinary; Cultural Competence

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

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

4416 ACE101H-1	Tu,Th	12:30pm - 1:45pm	15-week
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BI104H - Anatomy and Physiology (4)

Gen Ed Science

Prerequisite: BI 103

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

4234 BI104H-11C	Tu,Th	12:30pm - 1:45pm	15-week
4235 BI104H-11LB	Th	9:30am - 12pm	15-week

Note: Students must register for corresponding lecture (11C) and lab (11LB).

CMM103H - Introduction to Film (3)

Gen Ed Arts

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

3981 CMM103H-LK1	Tu,Th	9:30am - 10:45am	15-week
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Note: Students must register for both CMM103H-LK1 and EN102H-LK1.

EC202H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EC 201

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

3202 EC202H-2C Tu,Th 2pm - 3:15pm 15-week

ED203H - Foundations of Special Education (3)

Cultural Competence

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) It is strongly recommended that students pass ED 102 or ECD 101, if applicable, prior to taking this course.

Provides an overview of critical issues and strategies related to educating students who have been identified as exceptional. The course content focuses on historical and legal foundations of special education, inclusive education, developmental characteristics of exceptional students, and strategies for accommodating students. (This course satisfies the Maryland State Department of Education professional education course work in inclusion of special populations.) Fifteen hours of documented observation are required.

4435 ED208H-6C Tu,Th 9:30am - 10:45am 15-week

ED/PS208H - Human Growth and Development (3)

Gen Ed Education

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

Presents central concepts related to parameters of human development through the life span. Includes physical, social, emotional and mental development at the various stages of life.

Considers the influence of culture as well as individual differences.

4427 ED/PS208H-7C Tu,Th 11am - 12:15pm 15-week

EN101H - English Composition (3)

Gen Ed English

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

3595 EN101H-1 M,W 12:30pm - 1:45pm 15-week

EN102H - English Composition and Literature (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

3966 EN102H-LK1 Tu,Th 11am - 12:15pm 15-week

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

HI202H - History of the United States (3)

Gen Ed History

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

Covers United States history from Reconstruction to the present.

3980 HI202H-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.

3871 PS206H-2C M,W 2pm - 3:15pm 15-week

IS: Independent Study Honors

Note: Supports honors independent study projects and prepares students to present at the Honors Forum. Contact honors coordinator (bthompson@frederick.edu) for information and an application.

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.

3828 IS900H-1 TBA 15-week

IS901H - Independent Study - Communication Honors (3)

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

3829 IS901H-1 TBA 15-week

IS902H - Independent Study - English Honors (3)

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

3830 IS902H-1 TBA 15-week

IS903H - Independent Study - Mathematics Honors (3)

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

3831 IS903H-1 TBA 15-week

Note: Honors contracts are available for MA206, 207, 210, 211, 212, and 213.

IS904H - Independent Study - Psychology Honors (3)

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

3832 IS904H-1 TBA 15-week

IS905H - Independent Study - Sociology Honors (3)

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

3833 IS905H-1 TBA 15-week

IS909H - Independent Study - Art Honors (3)

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

3834 IS909H-1 TBA 15-week

IS910H - Independent Study - Physical Science Honors (3)

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

3835 IS910H-1 TBA 15-week

IS911H - Independent Study - History Honors (3)

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

3836 IS911H-1 TBA 15-week

IS912H - Honors Forum (1)

Contact the honors coordinator for admissions standards, 301.846.2535.

3837 IS912H-1 TBA 2nd 7-week

3838 IS912H-2 TBA 2nd 7-week

HOS: Hospitality Culinary Tourism

Note: All Hospitality Culinary & Tourism classes are held at the FCC Monroe Center.

HOS110 - Introduction to Hospitality Management (3)

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 80 or appropriate score on mathematics placement test)

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

4320 HOS110-HYB2 M 6pm - 8:40pm 1st 7-week

HOS111 - Culinary Fundamentals (1)

Prerequisites: (EN 70 or EN 75) OR ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 80 or appropriate score on mathematics placement test); Prerequisite or Corequisite: HOS 121

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

4116 HOS111-1 M 1pm - 4pm 1st 5-week

4463 HOS111-2 W 6pm-9pm 1st 5-week

HOS112 - Culinary I (3)

*** Culinary fee per class: \$121**

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

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

4118 HOS112-1 M 9am - 4pm 2nd 10-Week

HOS113 - Culinary II (3)

*** Culinary fee per class: \$121**

Prerequisite: HOS 112

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

4318 HOS113-1 Tu 4:30pm - 9:30pm 15-week

HOS114 - Culinary Baking (3)

*** Culinary fee per class: \$121**

Prerequisite or Corequisite: HOS 111 and HOS 121

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

3914 HOS114-1 Tu 9am - 2pm 15-week

Note: 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)

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

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

3915 HOS121-1 F 9am-12pm 1st 5-week

4464 HOS121-ONL1 ONLINE 1st 5-week

HOS123 - Purchasing & Cost Control (3)

Prerequisite or Corequisite: HOS 111 and HOS 121

Examines food purchasing as a process and emphasizes the dynamics of managing the flow of food through the operation. Provides an introduction to food recognition and basic menu planning and their effects on production, service, labor and other financial control procedures. Emphasizes establishing operating standards, monitoring actual results and taking corrective action to account for variances. Introduces students to the budgeting process with strong emphasis placed on control of prime costs. Offers discussion on selection, training and retention of employees and the effect of Human Resource functions on daily operations and cost control.

4321 HOS123-HYB1 M 6pm - 8:40pm 2nd 7-week

HOS161 - Event Management (3)

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

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

4319 HOS161-HYB1 Tu 6pm - 8:40pm 1st 7-week

HOS163 - Hospitality Operations (3)

Prerequisite or Corequisite: HOS 110 and HOS 121

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

4328 HOS163-HYB1 Th 6pm - 8:40pm 2nd 7-week

HOS210 - Garde Manger (3)

*** Culinary fee per class: \$121**

Prerequisite: HOS 113 or permission of program manager

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

4323 HOS210-1 M 4:30pm - 9:30pm 15-week

HOS214 - Advanced Baking & Pastry (3)

*** Culinary fee per class: \$121**

Prerequisite: HOS 114

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

4322 HOS214-1 Th 9am - 2pm 15-week

HOS216 - Food and Beverage Operations (3)

Prerequisite: HOS 110

Provides an analysis of different types of food service operations, beginning with an overview of the food service segment of the hospitality industry. Detailed consideration is given to food and beverage operations, food service marketing, menu planning, nutrition concerns, menu cost and pricing strategies, production, service, beverage management, sanitation and safety issues, facility design and equipment, accounting and food service automation.

4324 HOS216-1 Tu 6pm - 8:40pm 2nd 7-week

HOS240 - International and American Regional Cuisine (3)

* **Culinary fee per class: \$121**

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

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.

4120 HOS240-1 W 9am - 2pm 15-week

HOS250 - Restaurant Production and Service (3)

* **Culinary fee per class: \$121**

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

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.

4121 HOS250-1 Th 2:30pm - 9:30pm 15-week

HOS261 - Applied Hospitality Management (3)

Prerequisite: HOS 163

Develops the skills to manage the functions and operations of hospitality sectors. Emphasizes creating and maintaining partnerships and marketing/growing businesses. Students will learn how to engage customers and respond to feedback and service recovery strategies. Instruction will include case studies, role playing, and responding to real-life scenarios.

4326 HOS261-1 W 6pm - 8:40pm 2nd 7-week

HS: Human Services

HS102 - Human Relations (3)

Gen Ed Human Services; Cultural Competence

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

Introduces students to the fundamentals of interpersonal communication and examines such communication in the context of culture, ethnicity, gender, age, and race in particular. As an experiential course, it seeks to increase the skills and sensitivity necessary for successful human relationships in a diverse global, national and local community. The impact of the increasing use of interactive technologies is also examined.

3394 HS102-1 M,W 9:30am - 10:45am 15-week
4154 HS102-2 M,W 11am - 12:15pm 15-week
3395 HS102-3 M,W 12:30pm - 1:45pm 15-week
3396 HS102-4 M,W 3:30pm - 4:45pm 15-week
3397 HS102-5 Tu,Th 8am - 9:15am 15-week
3398 HS102-6 Tu,Th 9:30am - 10:45am 15-week
3400 HS102-7 Tu,Th 11am - 12:15pm 13-week
3399 HS102-8 Tu,Th 12:30pm - 1:45pm 15-week
3401 HS102-9 SAT 9am - 1:40pm 2nd 8-week
3402 HS102-10 Tu 5:30pm - 8pm 15-week
3403 HS102-ONL1 📖 ONLINE 15-week

HS103 - Introduction to Social Work and the Human Services (4)

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

Surveys the philosophies of the field of social work and all of the human services. Examines the historical and theoretical approaches to the understanding of social work and the agencies that deal with delivery of services to members of society. Includes the interrelationship of human services and examines the knowledge, values and skills of the helping process. Particular emphasis is placed on the concept of human diversity and the impact of oppression and discrimination. This course will highlight the human needs that social workers address across the life span with particular emphasis on the needs of older adults.

3404 HS103-1 M,W 2pm - 3:15pm 15-week
3405 HS103-2 M 5:30pm - 8pm 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.

3406 HS203-1 W 5:30pm - 8pm 15-week

HS204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

Prerequisite: HS 203; Corequisite: INTR 103

Integrates a study of ethical and practice issues in the human service field with the student's experience in the internship education practicum. Special attention will be given to the special ethical issues in the addictions field.

3407 HS204-HYB1 F 1:30pm - 3:30pm 15-week

HS206 - Pharmacology of Psychoactive Drugs (3)

Prerequisite: PS 101

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

4449 HS206-1 Th 5:30pm - 8pm 15-week

ID: Interdisciplinary Studies

ID220 - World War II Through Film (3)

Gen Ed Interdisciplinary

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

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

3410 ID220-1 Tu,Th 2pm - 3:15pm 15-week

ID225 - Disaster, Crisis and Emergency Management (3)

Gen Ed Interdisciplinary

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

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

3904 ID225-1 Tu,Th 11am - 12:15pm 15-week
3905 ID225-ONL1 📖 ONLINE 15-week

INTR: Internship

INTR101 - Internship (1)

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

3839 INTR101-1 TBA 15-week
3939 INTR101-2 TBA 13-week
3940 INTR101-3 TBA 2nd 10-Week
3941 INTR101-4 TBA 2nd 8-week
3942 INTR101-5 TBA 2nd 7-week

INTR102 - Internship (2)

3840 INTR102-1	TBA	15-week
3943 INTR102-2	TBA	13-week
4101 INTR102-3	TBA	1st 8-week
3944 INTR102-4	TBA	2nd 10-Week
3945 INTR102-5	TBA	2nd 7-week
3946 INTR102-6	TBA	2nd 7-week
3947 INTR102-7	TBA	3rd 5-week
4185 INTR102-HS	TBA	15-week

Note: Human Services students only

INTR103 - Internship (3)

3841 INTR103-1	TBA	15-week
3948 INTR103-2	TBA	13-week
4102 INTR103-3	TBA	1st 8-week
3949 INTR103-4	TBA	2nd 10-Week
3950 INTR103-5	TBA	2nd 8-week
3951 INTR103-6	TBA	2nd 7-week
3952 INTR103-7	TBA	3rd 5-week

ITR: American Sign Language Interpreting

ITR104 - Introduction to Interpreting (3)

Prerequisites: (EN 70 or EN 75 or EN 52 or ESL 99 or ESL 72) and (ASLS 106 and ASLS 202); Prerequisite or Corequisite: ASLS 203

Introduces students to the profession of sign language interpreting. Covers the history of interpreting as a field of professional practice, the ethical and performance standards, the impact of legislation on the field, the phenomena of cross cultural dynamics, knowledge of environmental conditions, and the role of the interpreter as cultural mediator.

4180 ITR104-1	Tu	5pm - 7:35pm	15-week
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ITR112 - Foundations of Interpreting (3)

Prerequisite: ITR 104; Corequisites: ITR 110, ITR 114

Introduces students to the theory and application of the interpreting process. Students will practice receptive skills and process tasks needed for interpretation. Focus will primarily be on intralingual language exercises including shadowing, prediction and anticipation, memory enhancement, text analysis for goal and main points, and paraphrasing. Process models and descriptions will be covered and application will be provided to observed interpretations. Exercises will be conducted in both English and ASL. The goal of the course is to develop cognitive processing skills involved in the interpreting process.

4313 ITR112-1	M,W	5pm - 6:15pm	15-week
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ITR114 - Consecutive Interpreting (3)

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

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

4314 ITR114-1	M,W	6:30pm - 7:45pm	15-week
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LA: Paralegal

LA100 - Introduction to Law (3)

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

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

3411 LA100-HYB1	SAT	9am - 1:15pm	1st 7-week Saturday
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LA103 - Ethics for the Legal Professional (3)

Prerequisite or Corequisite: LA 100

Concentrates on the ethical responsibilities that have been established by statutes, courts decisions, court rules, and professional associations affecting legal assistants/paralegals and lawyers. Includes conflict of interest, confidentiality, competence, solicitation, fees and billing, obligations of attorneys to clients, and protection of client funds. Covers the nature of supervision in order to avoid unauthorized practice of law.

4409 LA103-ONL1		ONLINE	15-week
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LA105 - Torts (3)

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


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

3413 LA105-ONL1		ONLINE	15-week
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LA106 - Law & Technology (3)

Prerequisite: LA 100

Prepares students for the increasing levels of computer literacy demanded by the legal profession. Covers the basic features of at least one commonly used word processing program, database program, spreadsheet program and legal specific programs for calendaring, timekeeping and billing. Offers basic features of computer-assisted legal research and other electronic resources. Incorporates current technological trends used by the legal profession.

4191 LA106-ONL1		ONLINE	2nd 7-week
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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.

4015 LA110-HYB1	Tu	6pm - 9pm	15-week
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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, memoranda, pleadings, trial briefs, legal correspondence and legislative drafting.

3414 LA120-HYB1	M	6pm - 9pm	1st 7-week
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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.

4230 LA220-HYB1	M	6pm - 9pm	2nd 7-week
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LA240 - Family Law (3)

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.

3415 LA240-HYB1	W	6pm - 9pm	15-week
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LAR: Arabic

LAR101 - Introductory Arabic I (3)

Gen Ed Humanities

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

4044 LAR101-1	Tu,Th	12:30pm - 1:45pm	15-week
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Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LF: French

LF102 - Introductory French II (3)

Prerequisite: LF 101

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

3727 LF102-1	M,W	2pm - 3:15pm	15-week
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LG: German

LG101 - Introductory German I (3)

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

3728 LG101-1	Tu,Th	12:30pm - 1:45pm	15-week
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Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LL: Latin

LL102 - Introductory Latin II (3)

Prerequisite: LL 101

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

3729 LL102-1	Tu	2pm - 4:30pm	15-week
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LL202 - Intermediate Latin II (3)

Prerequisite: LL 201

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

4437 LL202-1	Tu	5pm - 7:35pm	15-week
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LR: Russian

LR101 - Introductory Russian I (3)

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

4438 LR101-1	M,W	5:30pm - 6:45pm	15-week
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LS: Spanish

LS101 - Introductory Spanish I (3)

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

3731 LS101-1	M,W	12:30pm - 1:45pm	15-week
3733 LS101-2	Tu,Th	9:30am - 10:45am	15-week
3732 LS101-3	Tu,Th	11am - 12:15pm	15-week
3730 LS101-4	Tu	5:30pm - 8:05pm	13-week
3734 LS101-ONL1		ONLINE	15-week
4204 LS101-ONL2		ONLINE	15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS102 - Introductory Spanish II (3)

Prerequisite: LS 01

A continuation of LS 101. Introduces more complicated readings.

4045 LS102-1	M,W	12:30pm - 1:45pm	15-week
3735 LS102-2	Tu,Th	11am - 12:15pm	15-week
3736 LS102-ONL1		ONLINE	15-week

LS202 - Intermediate Spanish II (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 201

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

4439 LS202-1	M,W	2pm - 3:15pm	15-week
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MA: Mathematics

Note: Honors contracts are available for MA206, 207, 210, 211, 212, and 213.

MA82 - Intermediate Algebra (0) [4]

Prerequisites: A grade of B or better in MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines an introductory non-calculus statistics course with topics from Algebra. Topics of Algebra include graphing and solving linear equations, inequalities, function notation and interval notation. Topics of Statistics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests, and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

3004 MA82-1	M,W	11am - 12:40pm	15-week
3006 MA82-2	Tu,Th	9am - 10:40am	15-week
3009 MA82-3	M,W	6pm - 7:40pm	15-week

MA83 - Educator Preparation in Mathematics (0) [2]

Prerequisites: (Placement in EN 70 or ESL 70 or higher on the reading placement test) AND (A grade of B or better in MA 80 or appropriate score on the mathematics placement test)

Develops introductory Algebra skills. Topics include real numbers, algebraic expressions, solving and graphing equations, exponents, factoring polynomials, and functions. Technology and PRAXIS preparation are integrated with traditional skill practice throughout the course.

4274 MA83-1	Tu,Th	8am - 8:50am	15-week
4399 MA83-ONL1		ONLINE	15-week

MA85 - Introductory and Intermediate Algebra (0) [6]

Prerequisites: Placement in EN 70 or ESL 70 or higher on the reading placement test AND a grade of B or better in MA 80 or Accuplacer placement score of 30 or greater on the Beginning Algebra section

Develops introductory and intermediate algebra skills. Topics include algebraic expressions, linear expressions and equations, exponents, polynomials, factoring, rational expressions and equations, graphing and solving linear, quadratic, radical, exponential, and logarithmic functions. Technology is integrated with traditional skill practice throughout the course.

3010 MA85-1	M,Tu,W,Th	9:30am - 10:45am	15-week
4128 MA85-2	M,Tu,W,Th	11am - 12:15pm	15-week
3011 MA85-3	M,Tu,W,Th	6pm - 7:15pm	15-week

MA103 - Foundations of Mathematics (3)

Gen Ed Math

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

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

3012 MA103-1	M,W	8am - 9:15am	15-week
4129 MA103-2	M,W	9:30am - 10:45am	15-week
3016 MA103-3	M,W	11am - 12:15pm	15-week
4130 MA103-4	Tu,Th	8am - 9:15am	15-week
3013 MA103-5	Tu,Th	9:30am - 10:45am	15-week
4131 MA103-6	Tu,Th	11am - 12:15pm	13-week
3014 MA103-7	Tu,Th	12:30pm - 1:45pm	15-week
3978 MA103-8	M	6pm - 8:35pm	15-week
3017 MA103-ONL1	📖	ONLINE	15-week

MA103A - Foundations of Mathematics (3)

Prerequisites: MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines topics with Algebra with topics from college math for those whose need is a survey of mathematical principles rather than the in-depth analysis required for a mathematics or science-related program. This course begins with a course in Algebra followed immediately by a survey of college math. Topics of Algebra include linear equations, quadratic functions, exponential functions, and logarithmic equations with an emphasis on functions, graphing, and modeling. Topics of college math covered may include problem solving strategies, logic, numeration systems, classification of numbers, algebra, financial management, geometry, measurement and right triangle trigonometry, probability, statistics, graphs, systems of equations, linear programming. Students cannot receive credit for both MA 103 and MA 103A.

3921 MA103A-1	M,Tu,W,Th	8am - 9:05am	15-week
4132 MA103A-2	M,Tu,W,Th	9:30am - 10:35am	15-week

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

4275 MA103A-3	M,Tu,W,Th	9:30am - 10:45am	13-week
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Note: Students registering for MA 103A in the 13-week session must also register for MA A - Instruction with Algebra in the 13-week session.

3922 MA103A-4	M,Tu,W,Th	11am - 12:05pm	15-week
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Note: Students registering for MA 103A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

3923 MA103A-5	M,Tu,W,Th	2pm - 3:05pm	15-week
3979 MA103A-6	M,W	6pm - 8:10pm	15-week
4133 MA103A-7	Tu,Th	6pm - 8:10pm	15-week

MA105 - Fundamental Concepts of Mathematics (4)

Prerequisite or Corequisite: MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test. Note: MA 105 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

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

4400 MA105-1	M,W	11am - 12:40pm	15-week
3018 MA105-2	Tu,Th	9am - 10:40am	15-week
3019 MA105-3	Tu,Th	5pm - 6:40pm	15-week

MA106 - Fundamental Concepts of Mathematics II (4)

Prerequisite or Corequisite: MA 81 or MA 83 or MA 85 or appropriate score on the mathematics placement test. Note: MA 106 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

A study of the fundamentals of geometry for early childhood education and elementary education students. Provides a conceptually based background in geometry including plane and solid, metric and non-metric, dimensional analysis, congruence and similarity, coordinate and transformational geometry. Emphasizes problem-solving skills and the appropriate use of technology including calculators and computers.

3020 MA106-1	M,W	9am - 10:40am	15-week
4467 MA106-2	Tu,Th	7pm-8:40pm	15-week

MA111 - Precalculus (4)

Gen Ed Math

Prerequisite: A grade of B or better in MA 82 or MA 85

Includes topics from college algebra and trigonometry with a graphing approach such as right triangle trigonometry, circular trigonometric functions, inverse trigonometric functions, exponential functions, power functions, logarithmic functions, and polynomial functions and their zeros.

3023 MA111-1	M,W	11am - 12:40pm	15-week
3022 MA111-2	Tu,Th	9am - 10:40am	15-week
3024 MA111-3	Tu,Th	1pm - 2:40pm	15-week
3025 MA111-4	M,W	5pm - 6:40pm	15-week
3026 MA111-ONL1	📖	ONLINE	15-week

MA130 - College Algebra (3)

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

This class can be taken as a single semester course in College Algebra or as the first part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, complex numbers, formulae of midpoint, distance and average rate of change, and right triangle trigonometry. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

3027 MA130-1	M,W	8am - 9:15am	15-week
3028 MA130-2	M,W	9:30am - 10:45am	15-week
3844 MA130-3	M,W	11am - 12:15pm	15-week
3845 MA130-4	M,W	2pm - 3:15pm	15-week
3029 MA130-5	Tu,Th	9:30am - 10:45am	15-week
3030 MA130-6	Tu,Th	11am - 12:15pm	15-week
4276 MA130-7	Tu,Th	11am - 12:15pm	13-week
3032 MA130-8	Tu,Th	12:30pm - 1:45pm	15-week
4012 MA130-9	Tu,Th	3:30pm - 4:45pm	15-week
3988 MA130-10	SAT	9am - 11:30am	15-week
3031 MA130-11	M,W	5:30pm - 7pm	13-week
4465 MA130-HYB1	TH	2-3:15pm	15-week

MA201 - Applied Calculus (3)

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

A one-semester course for students in business, biology, social sciences, electronics and technical programs. Covers methods for finding the derivatives and integrals of algebraic and transcendental functions with applications in each program.

3034 MA201-1	M,W	11am - 12:15pm	15-week
4401 MA201-2	Tu,Th	9:30am - 10:45am	15-week
4139 MA201-3	Tu,Th	2pm - 3:15pm	15-week
3990 MA201-ONL1	📖	ONLINE	15-week

MA202 - Introduction to Discrete Mathematics (3)

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.

3035 MA202-1	M,W	12:30pm - 1:45pm	15-week
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MA206 - Elementary Statistics (3)

Gen Ed Math

Prerequisite: MA 81 or MA 83 or appropriate score on mathematics placement test

An introductory non-calculus statistics course. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

3037 MA206-1	M,W	8am - 9:15am	15-week
3036 MA206-2	M,W	9:30am - 10:45am	15-week
4134 MA206-3	M,W	9:30am - 10:45am	13-week
3846 MA206-4	M,W	11am - 12:15pm	15-week
3847 MA206-5	M,W	12:30pm - 1:45pm	2nd 8-week
3848 MA206-6	M,W	2pm - 3:15pm	15-week
3038 MA206-7	Tu,Th	8am - 9:15am	15-week
3039 MA206-8	Tu,Th	9:30am - 10:45am	15-week
4277 MA206-9	Tu,Th	9:30am - 10:45am	15-week
3996 MA206-10	Tu,Th	11am - 12:15pm	15-week
4135 MA206-11	Tu,Th	12:30pm - 1:45pm	15-week
3040 MA206-12	Tu,Th	2pm - 3:15pm	15-week
3997 MA206-13	F	11am - 1:35pm	15-week
4278 MA206-14	M	5:30pm - 8:30pm	13-week
3998 MA206-15	Tu	6pm - 8:35pm	15-week
3999 MA206-16	W	6pm - 8:35pm	15-week
4000 MA206-17	Th	5:30pm - 8:05pm	15-week
3041 MA206-ONL1		ONLINE	15-week
4208 MA206-ONL2		ONLINE	15-week

MA206A - Elementary Statistics (3)

Prerequisites: A grade of B or better in MA 80 or appropriate score on mathematics placement test AND placement in EN 70 or ESL 70 or higher on the reading placement test

Combines an introductory non-calculus statistics course with topics from Algebra. Topics of Algebra include graphing and solving linear equations, inequalities, function notation and interval notation. Topics of Statistics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests, and non-parametric tests. Students can only receive credit for one of the following: MA 206 or MA 206A.

3924 MA206A-1	M,Tu,W,Th	8am - 9:05am	15-week
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Note: Students registering for MA 206A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

3927 MA206A-2	M,Tu,W,Th	9:30am - 10:35am	15-week
3925 MA206A-3	M,Tu,W,Th	11am - 12:05pm	15-week
4280 MA206A-4	M,Tu,W,Th	11am - 12:15pm	13-week

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

4136 MA206A-5	M,W	6pm - 8:10pm	15-week
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Note: Students registering for MA 206A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

4279 MA206A-6	M,W	6pm - 8:35pm	13-week
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Note: Students registering for MA 206A in the 13-week session must also register for MA A - Instruction with Algebra in the 13-week session.

3926 MA206A-7	Tu,Th	6pm - 8:10pm	15-week
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Note: Students registering for MA 206A in the 15-week session must also register for MA A - Instruction with Algebra in the 15-week session.

MA207 - Elementary Statistics with Probability (4)

Prerequisite: (A grade of B or better in MA 81 or MA 83) OR (A grade of C or better in MA 82 or MA 85) OR (Any college-level Math course) OR (appropriate score on mathematics placement test)

Introduces non-calculus statistics with additional topics in elementary probability. Statistical topics include descriptive analysis and treatment of data, statistical inference, linear regression and correlation, and chi-square tests. Topics from Elementary Probability include basic event and outcome concepts, fundamental rules of probability, random variables and their distributions, and expectation. Practical applications of the course concepts are explored through team projects. Students can only receive credit for one of the following: MA 207 or MA 207A.

3042 MA207-1	M,W	11am - 12:40pm	15-week
4140 MA207-2	Tu,Th	1pm - 2:40pm	15-week
3043 MA207-HYB1	M	5:30pm - 7:10pm	15-week

MA210 - Calculus I (4)

Prerequisite: Grade of C or better in MA 111 or grades of C or better in both MA 130 and MA 131

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.

4281 MA210-1	M,W	9am - 10:15am	13-week
3044 MA210-2	M,W	11am - 12:40pm	15-week
3045 MA210-3	Tu,Th	9am - 10:40am	15-week
3046 MA210-4	Tu,Th	1pm - 2:40pm	15-week
3047 MA210-5	Tu,Th	5pm - 6:40pm	15-week
3048 MA210-ONL1		ONLINE	15-week

MA211 - Calculus II (4)

Prerequisite: MA 210

Presents the second of three courses in the calculus sequence. Topics include methods and applications of integration, improper integrals, sequences and series, Taylor approximations, polar functions, introduction to differential equations.

3049 MA211-1	M,W	1pm - 2:40pm	15-week
3050 MA211-2	Tu,Th	11am - 12:40pm	15-week
3051 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.

3052 MA212-1	Tu,Th	3pm - 4:40pm	15-week
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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.

3053 MA213-1	Tu,Th	5pm - 6:40pm	15-week
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MA214 - Introduction to MATLAB (1)

Prerequisite or Corequisite: MA 210

Provides an introduction to MATLAB. This course provides a comprehensive introduction to MATLAB environment. Assigned projects emphasize basic programming and graphing skills, as well as using MATLAB to solve appropriate mathematical problems.

4001 MA214-ONL1		ONLINE	1st 8-week
4402 MA214-ONL2		ONLINE	1st 8-week

MAA - Instruction with Algebra (0) [2]

3928 MAA-1	ASG		15-week
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Note: Students registering for MA 103A or MA 206A in the 15-week session must also register for MA A in the 15-week session.

4460 MAA-2	ASG		13-week
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Note: Students registering for MA 103A or MA 206A in the 13-week session must also register for MA A in the 13-week session.

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.

3203 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.

3204 MDA102-1 Tu,Th 6:30pm - 8:45pm 2nd 7-week

MDA108 - Basic Medical Terminology (1)

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

Provides students with the basic medical terminology framework needed before advancing to a more comprehensive medical terminology or anatomy and physiology based course.

4186 MDA108-ONL1 ONLINE 1st 7-week
3205 MDA108-ONL2 ONLINE 2nd 7-week

MDA109 - Medical Terminology (3)

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

Teaches the basic principles of building and defining medical words. Students use techniques learned to develop an extensive medical terminology vocabulary. No previous knowledge of anatomy, physiology or pathology is necessary.

3206 MDA109-HYB1 Th 9:30am - 10:45am 15-week
3207 MDA109-HYB2 Th 2pm - 3:15pm 15-week
3208 MDA109-ONL1 ONLINE 15-week
3961 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.

4016 MDA110-HYB1 Th 11am - 1:45pm 1st 7-week
3209 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.

4338 MDA112-HYB1 W 6pm - 8:45pm 1st 7-week
3210 MDA112-ONL1 ONLINE 2nd 7-week

MDA115 - Phlebotomy Skills (3)

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

Develops skills in a variety of blood collection methods using proper techniques and standard precautions. Blood collection procedures performed include vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults. Collection of specimens from children and infants is discussed. Emphasis will be placed on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology.

4020 MDA115-HYB1 W 6pm - 9pm 2nd 7-week

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.

3211 MDA201-1 F 9am - 1:30pm 1st 7-week

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.

3212 MDA202-1 F 9am - 1:30pm 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.

3930 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 provider's offices. Broadens medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

3213 MDA216-HYB1 Tu 6pm - 9pm 1st 7-week
4017 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.

4339 MDA218-HYB1 Tu 6pm - 9pm 2nd 7-week
4018 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.

3214 MDA220-ONL1 ONLINE 1st 7-week
3215 MDA220-ONL2 ONLINE 2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

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

Prepares students in allied health programs to enter the workforce with a basic understanding of federal healthcare programs and federal healthcare laws. The course will provide students with a knowledge of the populations receiving assistance from the government as well as identifying the federal laws that govern workers' provisions of health services laws.

4019 MDA222-ONL1 ONLINE 15-week

MU: Music

MU101 - Introduction to Music History and Appreciation (3)

Gen Ed Arts

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


Presents a study of music masterpieces of the past and present through reading, listening and analysis.

3737 MU101-1 M,W 9:30am - 10:45am 15-week
3738 MU101-ONL1 ONLINE 15-week

MU103 - Fundamentals of Music (3)

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

Covers the basic elements of music for the interested student or prospective classroom teacher. Includes study of musical notation, terminology, major and minor scales, simple and compound meters, familiarity with the piano keyboard, intervals, triads, sight-singing, ear-training and simple dictation.

3739 MU103-1	M,W	11am - 12:15pm	15-week
3740 MU103-2	Tu,Th	12:30pm - 1:45pm	15-week
3741 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.

3742 MU106-1	Tu,Th	9:30am - 10:20am	15-week
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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.

3743 MU107-1	Tu,Th	2:30pm - 3:20pm	15-week
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MU108 - Survey of World Music (3)

Gen Ed Arts; Cultural Competence; Gen Ed Multicultural Perspect

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

Provides an introduction to the indigenous musical expressions of countries around the world, including African, Asian, Latin American, native North American and the Caribbean, emphasizing a global perspective and artistic interaction of world cultures. Considers origins, unique instruments, significant genres, notable artists, and cultural functions. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

3744 MU108-ONL1		ONLINE	15-week
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MU109 - History of American Popular Music (3)

Gen Ed Arts

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

Surveys the development of American popular music in the 20th and 21st centuries, including the origins of both pop/rock styles, significant artists, cross-pollination with other genres, and impact on American culture. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

3746 MU109-1	M,W	2pm - 4:30pm	2nd 8-week
3745 MU109-2	Tu,Th	9:30am - 10:45am	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.

3747 MU111-1	Tu,Th	11am - 12:15pm	15-week
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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.

3748 MU112-1	Tu,Th	3:30pm - 4:45pm	15-week
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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.

3749 MU118-1C	Tu	7:45pm - 10:20pm	15-week
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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.

3750 MU120-1	M	7:30pm - 9:30pm	15-week
3751 MU120-2C	W	7:45pm - 10:10pm	15-week

MU122 - Orchestral Ensemble I (1)

Presents great orchestral music of the Baroque, Classical, Romantic and/or Contemporary musical eras. Applied music in chosen instrument recommended concurrently. Students participate as members of the Frederick Orchestra. Two rehearsal hours weekly.

3752 MU122-1C	Th	7pm - 9:30pm	15-week
4432 MU122-2	Th	7pm - 9:30pm	15-week

MU124 - Wind Ensemble I (1)

Presents a variety of wind ensemble literature as the basis for further study and presentation. Three rehearsal hours weekly. Applied music instruction in chosen instrument recommended concurrently.

3753 MU124-1C	W	6:30pm - 9pm	15-week
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MU130 - Foundations of Audio Technology (3)

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

Introduces components of the recording process including a detailed analysis of the nature of sound, human hearing, and basic principles of electricity. Students will learn basic digital audio workstation operation and other skills required to work in the studio.

4440 MU130-1	M,W	9:30am - 10:45am	15-week
3754 MU130-2	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.

3755 MU135-1	Tu,Th	3:30pm - 4:45pm	15-week
4441 MU135-2	Tu,Th	12:30pm - 1:45pm	15-week

MU145 - Publishing, Licensing, and Copyrighting (3)

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

Examines music publishing, licensing, and copyright procedures used by the professional musician, music administrator, and music producer.

4047 MU145-1	M,W	12:30pm - 1:45pm	15-week
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MU151 - Class Piano I (1)

Offers beginning piano study in a classroom-lab setting. An electronic piano is available for class use. Introduces basic keyboard and musicianship skills, including selected elementary pieces. Enrollment is limited to ten people.

3756 MU151-1C	M	12:30pm - 1:20pm	15-week
3757 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.

3758 MU152-1C	M	12:30pm - 1:20pm	15-week
3759 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.

3780 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.

3781 MU212-1 M,W 2pm - 3:15pm 15-week

MU218 - Choral Ensemble II (1)

Continuation of MU 117-118. Three rehearsal hours weekly.

3782 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.

3783 MU220-1 M 5pm - 7:15pm 15-week

3784 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.

3785 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.

3786 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.

3868 MU235-1 F 10am - 12:35pm 15-week

MU240 - MIDI Music Production Techniques (3)

Prerequisite or Corequisite: MU 103

Explores electronic music production. Students will produce electronic music using a variety of software and techniques. Topics will include notation, MIDI and controller programming, sampling, sequencing, virtual instruments, synthesizers, and production techniques.

4442 MU240-1 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.

4433 MU251-1C M 12:30pm - 1:20pm 15-week

3787 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.

4434 MU252-1C M 12:30pm - 1:20pm 15-week

3788 MU252-2C W 12:30pm - 1:20pm 15-week

MU: Applied Music Courses

Additional fees: \$490

Thirteen one-hour lessons of instruction that encompasses technique, theory, style, interpretation and performance of selected literature. Additional required repertoire and performance classes. Specific dates for these classes are announced at the beginning of the semester. A jury examination is held at the end of the semester and is to be regarded as the final exam.

Instructor Contact List

Laura Armstrong – Clarinet/
Saxophone.443.615.1529 larmstrong@frederick.edu

Howard Burns – Woodwinds . . .301.788.3274 hburns@frederick.edu

Paula Chipman – Voice.301.846.2566 pchipman@frederick.edu

Jonathan Cresci – Trumpet301.624.2844 jcresci@frederick.edu

Lynn Fleming – Bass301.922.0398 vlfleming@frederick.edu

Adam Gonzalez – Cello.301.219.4826 agonzalez@frederick.edu

Mary Gresock – Voice301.879.2069 mgresock@frederick.edu

Greg Herron – Percussion443.621.8694 gherron@frederick.edu

Suk-Yi Hyun – Piano240.421.7188 shyun@frederick.edu

Alice Lee – Piano202.270.1667 alee@frederick.edu

Aaron Lovely – Low Brass703.401.8971 alovely@frederick.edu

David Loy – Voice.301.791.7730 dloy@frederick.edu

Mark Edwards – Guitar334.538.0254 medwards@frederick.edu

Michael Raitzyk – Guitar410.905.3149 mraitzyk@frederick.edu

Jennifer Rundlett – Flute301.846.2642 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 – Piano301.668.0355 jwickelgren@frederick.edu

Fred Wilcox – Violin/Viola240.504.6974 fwilcox@frederick.edu

1st & 2nd Year Applied Music Courses

MU173 - First Year Piano (1)

3760 MU173-1 John Wickelgren 13-week

3761 MU173-2 Lynn Staininger 13-week

3762 MU173-3 Alice Lee 13-week

3763 MU173-4 Suk-Yi Hyun 13-week

MU175 - First Year Voice (1)

3764 MU175-1 Paula Chipman 13-week

3765 MU175-2 William Loy 13-week

3766 MU175-3 Mary Gresock 13-week

3767 MU175-4 Lynn Staininger 13-week

3768 MU175-5 Sterling Scroggins 13-week

MU179 - First Year Brass (1)

3769 MU179-1 Jonathan Cresci 13-week

3770 MU179-2 Aaron Lovely 13-week

MU181 - First Year Woodwinds (1)

3771 MU181-1 Jennifer Rundlett 13-week

3772 MU181-2 Laura Armstrong 13-week

MU183 - First Year Strings (1)

3773 MU183-1 Fred Wilcox 13-week

3774 MU183-2 Flor Maryory Serrano Prada 13-week

3775 MU183-3 Adam Gonzalez 13-week

3776 MU183-4 Vivian Lynn Fleming 13-week

MU185 - First Year Guitar (1)			
3777	MU185-1	Michael Raitzyk	13-week
3778	MU185-2	Mark Edwards	13-week
MU187 - First Year Percussion (1)			
3779	MU187-1	Gregory Herron	13-week
MU273 - Second Year Piano (1)			
3789	MU273-1	John Wickelgren	13-week
3790	MU273-2	Lynn Staininger	13-week
3791	MU273-3	Alice Lee	13-week
3792	MU273-4	Suk-Yi Hyun	13-week
MU275 - Second Year Voice (1)			
3793	MU275-1	Paula Chipman	13-week
3794	MU275-2	William Loy	13-week
3795	MU275-3	Mary Gresock	13-week
3796	MU275-4	Lynn Staininger	13-week
3797	MU275-5	Sterling Scroggins	13-week
MU279 - Second Year Brass (1)			
3798	MU279-1	Jonathan Cresci	13-week
3799	MU279-2	Aaron Lovely	13-week
MU281 - Second Year Woodwinds (1)			
3800	MU281-1	Jennifer Rundlett	13-week
3801	MU281-2	Laura Armstrong	13-week
MU283 - Second Year Strings (1)			
3802	MU283-1	Fred Wilcox	13-week
3803	MU283-2	Flor Maryory Serrano Prada	13-week
3804	MU283-3	Adam Gonzalez	13-week
3805	MU283-4	Vivian Lynn Fleming	13-week
MU285 - Second Year Guitar (1)			
3806	MU285-1	Michael Raitzyk	13-week
3807	MU285-2	Mark Edwards	13-week
MU287 - Second Year Percussion (1)			
3808	MU287-1	Gregory Herron	13-week

NM: Nuclear Medicine

NM105 - Nuclear Medicine Techniques II (3)

Prerequisites: NM 100, 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.

3516 NM105-1 W 1:45pm - 5pm 15-week

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.

3517 NM107-1 M 4:30pm - 9:30pm 15-week

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.

3518 NM202-1 Tu,Th,F 8am - 4:30pm 15-week

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.

3519 NM203-1 W 10:30am - 1:30pm 15-week

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.

4002 NM226-1 M-F 8am - 4:30pm 15-week

NU: Nursing

NU101 - Introduction to Clinical Nursing (6)

Cultural Competence

Prerequisites: BI 103, BI 104, BI 120; passing score on the Math for Medication Safety test

Introduces concepts of professional nursing. Emphasis is on the acquisition and application of basic knowledge, skills, and professional behaviors needed for the delivery of comprehensive care to the adult client.

4410 NU101-1LC M 5pm - 7:30pm 1st 7-week

3064 NU101-2LC Tu 5pm - 8pm 15-week

3065 NU101-11LB ASG 15-week

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

NU211 - Medical-Surgical Nursing I (7)

Prerequisite: NU 101; passing score on the Math for Medication Safety test

Introduces the study of the adult client with acute and chronic alterations in wellness.

Emphasis is on assimilation and knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

3066 NU211-1LC M 10:15am - 3pm 15-week

3067 NU211-2LC W 10:15am - 3pm 15-week

3068 NU211-11LB ASG 15-week

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

NU212 - Medical-Surgical Nursing II (4)

Prerequisites: NU 210, NU 211; passing score on the Math for Medication Safety test

Continues study of the adult client with increasingly complex acute and chronic alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for the delivery of comprehensive care.

3069 NU212-1LC W 5pm - 7pm 15-week

3070 NU212-11LB ASG 15-week

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

NU213 - Medical-Surgical Nursing III (4)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Continues study of the adult client with acute, complex, and critical alterations in health.

Emphasis is on the adaptation of knowledge, skills, and attitudes needed for the delivery of comprehensive care.

3071 NU213-1LC Tu 10am - 12pm 15-week

3072 NU213-2LC Th 10am - 12pm 15-week

3073 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.

3074 NU214-1LC	M	8am - 10am	15-week
3964 NU214-2LC	W	8am - 10am	15-week
3075 NU214-11LB	ASG		15-week

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

NU216 - Preparation for Practice (2)

Prerequisites: NU 212, NU 214; passing score on the Math for Medication Safety test

Facilitates the student's adaptation into professional nursing practice. Explores current trends in nursing and concepts related to the nurse as a professional, a member of the health care team, and manager of client care.

3079 NU216-1LC	Tu	1pm - 2:30pm	15-week
3080 NU216-2LC	Th	1pm - 2:30pm	15-week
3081 NU216-11LB	ASG		15-week

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

NU218 - Maternal, Child, and Family Nursing (5)

Prerequisites: NU 211; passing score on the Math for Medication Safety test

Introduces maternal, child, and family nursing. Focuses on the reproductive phase of family life, the specific health needs of women from adolescence to menopause, the healthy newborn, and pediatric clients with acute alterations in health. Emphasis is on assimilation of knowledge, skills, and professional behaviors needed for delivery of family-centered, comprehensive care.

4411 NU218-1LC	Th	5pm - 9pm	15-week
4452 NU218-11LB	ASG		15-week

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

PC: Physical Science

PC103 - Elements of Physical Science (3)

Gen Ed Science

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

Covers selected aspects of earth science, physics, chemistry and the quantitative relationships involved in the behavior of matter. Uses simple experiments to introduce scientific topics as needed. Restricted to non-science majors. Students cannot receive credit for both PC 103 and PC 114.

3320 PC103-1	M,W	11am - 12:15pm	15-week
3321 PC103-2	Tu,Th	2pm - 3:15pm	15-week
3322 PC103-ONL1		ONLINE	15-week

PC104 - The Water Planet: Introduction to Oceanography (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3323 PC104-ONL1		ONLINE	15-week
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PC105 - Introduction to the Science of Weather (3)

Gen Ed Science

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

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.

4145 PC105-1	M,W	12:30pm - 1:45pm	15-week
3324 PC105-2	W	5:30pm - 8:05pm	15-week

PC106 - Introduction to Meteorology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3325 PC106-ONL1		ONLINE	15-week
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PC107 - Introductory Astronomy (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3326 PC107-1LC	M	9:30am - 12:05pm	15-week
3327 PC107-11LB	W	9:30am - 12pm	15-week

4367 PC107-2LC	Tu	12:30pm - 3:05pm	15-week
4368 PC107-21LB	Th	12:30pm - 3pm	15-week

3328 PC107-ONL1		ONLINE	15-week
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Note: Students must register for corresponding lecture (LC) and lab (LB).

PC108 - Historical Geology (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3329 PC108-1LC	M,W	8am - 9:15am	15-week
3330 PC108-11LB	M	9:30am - 12pm	15-week

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

PC114 - Contemporary Physical Science (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

3331 PC114-1LC	M	12:30pm - 3:05pm	15-week
3332 PC114-11LB	W	12:30pm - 3pm	15-week

3900 PC114-2LC	Tu	5:30pm - 8:05pm	15-week
3901 PC114-21LB	Th	5:30pm - 8pm	15-week

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

PC115 - Introduction to Geoscience (4)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 81 or MA 83 or MA 85 or appropriate score on mathematics placement test)

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.

3333 PC115-1LC	Tu	9:30am - 12:05pm	15-week
3334 PC115-11LB	Th	9:30am - 12pm	15-week

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

3335 PC115-ONL1		ONLINE	15-week
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PC121 - Energy and Society (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); *Prerequisite or Corequisite:* MA 82 or MA 85 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.

3336 PC121-1 **W** **9:30am - 12:05pm** **15-week**

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.

3487 PE108-1 **M** **5pm - 7:35pm** **1st 7-week**

PE131 - Aerobics (1)

Offers muscular and cardiovascular endurance exercises performed to music.

3488 PE131-1 **M** **1pm - 2pm** **15-week**

PE154 - Fitness for Living (3)

Gen Ed Wellness

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

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

3489 PE154-1 **M,W** **11am - 12:15pm** **15-week**
3490 PE154-2 **M,W** **12:30pm - 1:45pm** **15-week**
3491 PE154-3 **Tu,Th** **9:30am - 10:45am** **15-week**
3492 PE154-4 **Tu,Th** **11am - 12:15pm** **15-week**
3493 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.

3977 PE160-1 **W** **1pm - 3pm** **1st 7-week**

PE165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

3494 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.

3495 PE166-1 **M,W** **11am - 12pm** **1st 7-week**
4453 PE166-2 **M,W** **11am - 12pm** **2nd 7-week**
3496 PE166-3 **M** **2pm - 3pm** **15-week**
3497 PE166-4 **W** **2pm - 3pm** **15-week**
3498 PE166-5 **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.

3499 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.

3500 PE181-1 **W** **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.

3982 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.

3983 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.

3984 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.

4456 PE187-1 **F** **5pm - 7pm** **1st 7-week**

Note: Class will be held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, both held at Ballroom Dance in Frederick. There is no additional charge for the practice parties.

PE188 - Yoga (3)

Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

3501 PE188-1 **M** **9:30am - 12pm** **15-week**
4069 PE188-2 **F** **9:30am - 12pm** **15-week**
3502 PE188-HYB1 **M** **6pm - 8:35pm** **1st 7-week**
3503 PE188-HYB2 **Tu** **6pm - 8:35pm** **2nd 7-week**

PE190 - Pilates (1)

Introduces the history of Pilates and describes the physiological basis of exercises that promote core body strength. Includes demonstration and active student participation of Pilates movements.

3505 PE190-1 **Tu,Th** **9:30am - 10:45am** **2nd 7-week**

PE191 - Body Sculpting (1)

Offers muscular strength and endurance exercises through the use of free weights, balls, and resistance tubes.

4459 PE191-1 **M** **12pm - 1pm** **15-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.

4457 PE193-1 **F** **5pm - 7pm** **2nd 7-week**

Note: Class will be held at Ballroom Dance in Frederick. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, all held at Ballroom Dance in Frederick. 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.

3506 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.

3507 PE196-1 W 5pm - 7pm 2nd 7-week

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.

4458 PE198A-1 Tu,Th 12:30pm - 1:45pm 1st 7-week

PE198C - Fitness: Zumba (1)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

3508 PE198C-1 Tu,Th 11am - 12:15pm 1st 7-week

PE236 - Coaching Principles (3)

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Provides student with the knowledge to become an effective coach. Foundational areas of coaching are presented, including coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management. Coaching certification is possible through the American Sports Education Program.

3510 PE236-1 Tu,Th 12:30pm - 1:45pm 15-week

Note: This class is held during the Spring semester only.

PE237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

4070 PE237-1 M 12:30pm - 2:30pm 2nd 7-week

3511 PE237-ONL1 📖 ONLINE 1st 7-week

PE241 - Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

3512 PE241-1 Tu,Th 11am - 12:15pm 2nd 7-week

PE247 - Methods of Strength Training (1)

Designed for those who will be assisting others in a training program emphasizing muscular fitness. Emphasizes teaching methodologies employed in training programs that focus on muscular fitness. Students will apply teaching methodologies as they practice training with individuals or small groups.

3513 PE247-1 Tu,Th 11am - 12:15pm 1st 7-week

PE249 - Fitness Assessment and Business Practices (3)

Prerequisite: BI 103 or BI 107 or permission of instructor

Investigates the various modes and protocols used in fitness assessment and the relationship of assessment to the Personal Training business.

4454 PE249-1 Tu,Th 2pm - 3:15pm 15-week

Note: This course is offered in the Spring semester only.

PE250 - Care and Prevention of Athletic Injuries (3)

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

Introduces the basic principles for care and prevention of athletic injuries. Emphasis will be placed on scientific applications for recognition, diagnosis, classification, treatment and rehabilitation of body.

3514 PE250-1 M,W 9:30am - 10:45am 15-week

PE252 - Essentials of Personal Training (4)

Prerequisites: PE 241 and PE 247 or permission of instructor; Prerequisite or Corequisite: PE 249 or permission of instructor

Capstone course in the Personal Training Program that leads to the NASM Personal Trainer certification. Course combines 3-credit lecture and 2-credit lab.

3515 PE252-1LC Tu,Th 5pm - 7:35pm 15-week

Note: This class is held in the Spring semester only. An additional fee of \$499 is collected at Registration for online resources and voucher to take certification exam.

PH: Philosophy

PH101 - Introduction to Philosophy (3)

Gen Ed Humanities

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

Surveys the major intellectual problems faced by great philosophers of all ages.

3809 PH101-1 M,W 11am - 12:15pm 15-week

3810 PH101-2 Tu,Th 2pm - 3:15pm 15-week

4315 PH101-3 M 5:30pm - 8:05pm 15-week

3811 PH101-ONL1 📖 ONLINE 2nd 8-week

PH204 - World Religions (3)

Gen Ed Humanities; Cultural Competence

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

Introduces the historical background, beliefs, scriptures and practices of the world's major religious traditions including Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shintoism, Judaism, Zoroastrianism, Christianity and Islam.

3812 PH204-1 M,W 9:30am - 10:45am 15-week

3813 PH204-2 M,W 2pm - 3:15pm 15-week

4317 PH204-3 Th 5:30pm - 8:05pm 15-week

3814 PH204-ONL1 📖 ONLINE 15-week

PH205 - Ethics (3)

Gen Ed Humanities

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

Introduces the problems and possibilities of moral philosophy and ethical decision making.

3815 PH205-1 Tu,Th 12:30pm - 1:45pm 15-week

PH206 - Logic (3)

Gen Ed Humanities

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

Introduces basic problems in the use of logic and language. Improves the use of language and sound principles of reasoning.

3816 PH206-1 M,W 12:30pm - 1:45pm 15-week

PH207 - Biomedical Ethics (3)

Gen Ed Humanities

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

Explores some of the most troubling problems that health care professionals, physicians and lawyers as well as individual patients and their families are called upon to solve. Examines principles in biomedical ethics, as well as general ethical theories in major problem areas, including euthanasia and prolongation of life, genetic intervention, behavior control, experimenting with human subjects, etc.

3817 PH207-ONL1  **ONLINE** **15-week**

PH208 - Business Ethics (3)

Gen Ed Humanities

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

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

3819 PH208-ONL1  **ONLINE** **15-week**

PH209 - Environmental Ethics (3)

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

Identifies the most troubling ethical dilemmas in the field of environmental protection and explores the applicability of traditional ethical theories in areas such as the depletion of non-renewable resources, population growth, responsibilities to the non-human world, responsibilities to future generations and environmental cost/benefit analysis.

4316 PH209-1 **Tu,Th** **9:30am - 10:45am** **15-week**

PH210 - Ethics and Film (3)

Gen Ed Humanities

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

Introduces 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).

3820 PH210-1 **W** **1pm - 3:30pm** **15-week**

PI: Political Science

PI104 - American Government: National (3)

Gen Ed Political Science

Covers basic principles of the national government: structure, powers and operations of Congress; the presidency and the Supreme Court; citizenship, elections, political parties and pressure groups.

3416 PI104-1 **Tu,Th** **12:30pm - 1:45pm** **15-week**

3417 PI104-2 **M** **6pm - 8:35pm** **13-week**

3418 PI104-ONL1  **ONLINE** **15-week**

PLAC: Prior Learning Assessment Course

PLAC101-Prior Learning Assessment: Portfolio Development (1)

Prerequisite: EN 101

Examines and applies college-level learning gained from life experiences that align with specific courses offered by the college and are related to their educational goals. Students will document experiential learning through the assembling of various components into a portfolio, demonstrating an understanding of the portfolio development process of collecting, selecting, reflecting, and projecting. The Prior Learning Assessment (PLA) portfolio development course provides a series of structured activities and strategic approaches for students to prepare petitions to submit portfolios for credit from prior learning.

4470 PLAC101-1 **Th** **12pm-2:30pm** **15-week**




PS: Psychology

PS101 - General Psychology (3)

Gen Ed Psychology

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

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

3419 PS101-1	M,W	8am - 9:15am	15-week
4371 PS101-2	M,W	8am - 9:15am	15-week
3420 PS101-3	M,W	9:30am - 10:45am	15-week
3421 PS101-4	M,W	11am - 12:15pm	15-week
3422 PS101-5	M,W	12:30pm - 1:45pm	15-week
4157 PS101-6	M,W	12:30pm - 1:45pm	13-week
3423 PS101-7	M,W	2pm - 3:15pm	15-week
4158 PS101-8	M,W	3:30pm - 6pm	2nd 8-week
3424 PS101-9	Tu,Th	8am - 9:15am	13-week
3425 PS101-10	Tu,Th	9:30am - 10:45am	15-week
3426 PS101-11	Tu,Th	11am - 12:15pm	15-week
3427 PS101-12	Tu,Th	12:30pm - 1:45pm	15-week
3428 PS101-13	Tu,Th	12:30pm - 1:45pm	15-week
4372 PS101-14	Tu,Th	2pm - 3:15pm	15-week
3429 PS101-15	Tu,Th	3:30pm - 4:55pm	13-week
4450 PS101-16	F	8am - 10:35am	15-week
3431 PS101-17	Th	6pm - 8:35pm	15-week
3432 PS101-ONL1		ONLINE	15-week
3433 PS101-ONL2		ONLINE	13-week
3870 PS101-ONL3		ONLINE	2nd 8-week

PS104 - Issues of Drug/Alcohol Use (3)

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

Presents a comprehensive study of the use of legal and illegal drugs; an analysis of the addictive and recovery process for individuals and families; a study of treatment modalities and 12-step groups; a study of the physiological and legal consequences of substance use and abuse.

3434 PS104-1 **Tu,Th** **11am - 12:15pm** **15-week**

PS202 - Social Psychology (3)

Gen Ed Psychology

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

Explores the effects of the social environment upon the human organism through the study of interpersonal relationships, and the social influences on cognitive processes such as social perception, attribution, persuasion, prejudice and discrimination, aggression, prosocial behavior and group interaction.

3435 PS202-1 **M,W** **9:30am - 10:45am** **15-week**

3436 PS202-2 **Tu,Th** **2pm - 3:15pm** **15-week**

3437 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.

3438 PS204-1 **M,W** **2pm - 3:15pm** **15-week**

PS205 - Psychology of Aging (3)

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

Introduces the 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.

3439 PS205-1 **M** **5:30pm - 8pm** **15-week**

PS206 - Abnormal Psychology (3)

Prerequisite: PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

4058 PS206-1	M,W	2pm - 3:15pm	2nd 8-week
3871 PS206-2C	M,W	9:30am - 10:45am	15-week
3440 PS206-3	Tu,Th	12:30pm - 1:45pm	15-week
3442 PS206-ONL1	📖	ONLINE	15-week

PS206H - Abnormal Psychology (3)

Prerequisite: PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

3871 PS206H-2C	M,W	9:30am - 10:45am	15-week
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PS207 - Death and Dying (3)

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

Introduces the origins and development of death attitudes and behavior. Topics include euthanasia; suicide; grief and mourning processes; the funeral system; legal rights; and coping strategies. Emphasis on death as a normal developmental event.

4005 PS207-1	Tu,Th	2pm - 3:15pm	15-week
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PY: Physics

PY101 - Survey of Physics (3)

Gen Ed Science

Prerequisites: (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) AND (MA 82 or MA 85 or 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.

4149 PY101-1	M,W	9:30am - 10:45am	15-week
3337 PY101-2	F	8am - 10:35am	15-week

PY202 - Fundamentals of Physics (4)

Prerequisite: PY 201

Continues the study of basic principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics.

4196 PY202-1LC	M	5:30pm - 8:05pm	15-week
4197 PY202-11LB	W	5:30pm - 8pm	15-week

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

PY203 - Introductory Physics I (4)

Prerequisites: Completion of high school physics or PY 101 strongly recommended, and (EN 70 or EN 75) OR [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 210

Presents an introductory study of physics covering the fundamental principles of mechanics, dynamics and mechanical waves. Emphasizes problem solving and modeling of physical systems. Physical laws and theories are developed by the application of calculus. Prepares students for advanced work in the physical sciences. An analytical course primarily for majors in science or mathematics.

3338 PY203-1LC	M,W	12:30pm - 1:45pm	15-week
3339 PY203-11LB	W	9:30am - 12pm	15-week
3340 PY203-2LC	Th	5:30pm - 8:05pm	15-week
3341 PY203-21LB	Tu	5:30pm - 8pm	15-week

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

PY204 - Introductory Physics II (4)

Prerequisites: PY 203, MA 211

Continues the study of fundamental principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics. The theoretical approach and use of calculus are continued.

3342 PY204-1LC	M	5:30pm - 8:05pm	15-week
3343 PY204-11LB	W	5:30pm - 8pm	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.

4003 RC103-1	W	12pm - 2:30pm	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..

4004 RC105-1	W	9am - 11:30am	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.

4093 RC107-1LC	M	9am - 11:30am	15-week
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Note: Students must register for corresponding lecture (LC) and lab (LB).

4094 RC107-11LB	M	12pm - 1:30pm	15-week
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Prerequisites: BI 104, RC 100, RC 102, RC 104

4095 RC107-12LB	M	1:45pm - 3:15pm	15-week
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4178 RC107-13LB	M	3:30pm - 4:45pm	15-week
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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.

4096 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.

4097 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.

4098 RC205-1 Th 9:30am - 11:10am 15-week

Note: An additional fee of \$325 is collected at Registration to cover the cost of the onsite Kettering Review Seminar.

RC207 - Cardiopulmonary and Renal Pathophysiology Review (3)

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.

4099 RC207-1 Tu 9am - 11:30am 15-week

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.

4100 RC209-1 M,W 7am - 2pm 15-week

SO: Sociology

SO101 - Introduction to Sociology (3)

Gen Ed Sociology

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

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

4374 SO101-1 M,W 8am - 9:15am 13-week
3443 SO101-2 M,W 9:30am - 10:45am 15-week
3444 SO101-3 M,W 11am - 12:15pm 15-week
3445 SO101-4 M,W 12:30pm - 1:45pm 15-week
3446 SO101-5 M,W 2pm - 3:15pm 15-week
3447 SO101-6 Tu,Th 8am-10:30am 2nd 8-week
4159 SO101-7 Tu,TH 9:30am-10:45am 13-week
3448 SO101-8 Tu,Th 11am - 12:15pm 15-week
3449 SO101-9 Tu,Th 12:30pm - 1:45pm 15-week
4375 SO101-10 Tu,Th 2pm - 3:15pm 15-week
4160 SO101-11 M 6pm - 8:30pm 15-week
3450 SO101-12 Tu 6pm - 8:30pm 15-week
3451 SO101-CHS Tu,Th 12:45pm - 2:20pm 15-week

Note: open to Catoclin High School students only

3452 SO101-ONL1 ONLINE 15-week
3960 SO101-ONL2 ONLINE 13-week

SO102 - Social Problems (3)

Gen Ed Sociology; Cultural Competence

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

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

4161 SO102-1 M,W 9:30am - 10:45am 15-week
3454 SO102-2 Tu,Th 2pm - 3:15pm 15-week
3455 SO102-3 F 9am - 11:35am 15-week
3456 SO102-ONL1 ONLINE 15-week

SO201 - Criminology (3)

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

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

3457 SO201-1 Tu,Th 2pm - 3:15pm 15-week
3458 SO201-2 Th 6pm - 8:35pm 15-week
3459 SO201-ONL1 ONLINE 13-week

SO210 - Ethnic Diversity (3)

Gen Ed Sociology; Cultural Competence

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

A survey of the status and treatment of ethnic groups in the United States; patterns of dominant and subordinate relations, prejudice and discrimination; historical and current problems, demographic and social background, political and social policies.

4431 SO210-1 Tu,Th 2pm - 3:15pm 15-week

SO212 - Gender and Society (3)

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

Introduces the scientific study of women as a multicultural group. Reviews material from the fields of psychology, sociology, anthropology, and medicine as it related to women. Particular effort will be made to address the experiences of women of varied races, ethnic groups, classes, national origins, and sexual orientations so that the whole concept of gender may be broadened to take these different experiences and different concerns into account.

4451 SO212-1 Tu,Th 9:30am - 10:45am 15-week

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.

3520 ST100-1LC M 4:30pm - 7:30pm 2nd 10-Week

Note: Students must register for ST100-1Lc (lecture) and both labs: ST100-11Lb and ST100-12Lb.

3521 ST100-11LB W,Th 9am - 9pm 2nd 10-Week

Note: An additional fee of \$100 is collected at Registration to cover the cost of drug testing and fingerprinting.

3522 ST100-12LB W,Th,F 6:45am - 3pm 2nd 10-Week

Note: An additional fee of \$100 will be collected at Registration to cover cost of drug testing and fingerprinting.

ST101 - Introduction to Surgical Technology (6)

Cultural Competence

Provides an overview of the functions of the surgical technologist in the perioperative environment. Develops the fundamental concepts and principles of microbiology, asepsis, pharmacology, anesthesia, ethical and legal considerations, patient care, all-hazards preparation, and teamwork.

3523 ST101-1LC Tu 11am - 6pm 2nd 10-Week

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

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.

4380 ST105-1LC M 9am - 1pm 1st 5-week
4381 ST105-11LB Tu 5pm - 7:30pm 1st 5-week
4382 ST105-12LB W,Th,F 6:45am - 3pm 1st 5-week

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.

3525 ST120-1LC	M	4:30pm - 7:30pm	1st 5-week
	Tu	11am - 6pm	1st 5-week

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

4378 ST120-11LB	W,Th	9am - 9pm	1st 5-week
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Note: An additional fee of \$425 is collected at Registration to cover the 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.

3527 ST200-1LC	M	9am - 1pm	2nd 10-Week
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Note: Students must register for corresponding lecture (LC) and lab (LB).

3528 ST200-11LB	Tu	5pm - 7:30pm	2nd 10-Week
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Note: An additional fee of \$250 will be collected at Registration to cover cost of certification exam bundle.

4379 ST200-12LB	W,Th,F	6:45am - 3pm	2nd 10-Week
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4455 ST200-13LB	W,Th	9am - 12pm	15-week
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Note: An additional fee of \$250 is collected at Registration to cover the cost of the certification exam bundle.

THR: Theater

THR101 - Introduction to Theatre (3)

Gen Ed Arts

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

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

3821 THR101-1	Tu,Th	11am - 12:15pm	15-week
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THR102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

3822 THR102-1	M,W	12:30pm - 1:45pm	15-week
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THR108 - Theatre Ensemble I (3)

Provides students with an opportunity to explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and learn team building skills. The course will use multidisciplinary research skills on topics that are important to the class to bring a vibrant theatre piece with a strong community focus.

3823 THR108-1C	M,W	2pm - 3:15pm	15-week
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THR203 - Fundamentals of Directing (3)

Addresses problems in playwriting, directing and acting. Students work on scenes and/or one-act plays.

3824 THR203-1C	Tu,Th	2pm - 3:15pm	15-week
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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.

3825 THR204-1	TBA		15-week
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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.

3826 THR205-1	TBA		15-week
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THR206 - Advanced Acting (3)

Concentrates on characterization and dramatic improvisation.

3827 THR206-1C	Tu,Th	2pm - 3:15pm	15-week
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THR208 - Theatre Ensemble II (3)

Prerequisite: THR 108

Explores advanced methods and execution of creating, rehearsing, and producing a piece of theatre through creativity, critical thinking, and team building skills. The course will use advanced multi-disciplinary research skills on topics deemed socially relevant by the class and through improvisation, script writing, and other play creation techniques, the class will present a vibrant theatre piece with a strong community focus.

3933 THR208-1C	M,W	2pm - 3:15pm	15-week
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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.

3959 THR212-1	TBA		15-week
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Are You a Single Parent? Unemployed? Underemployed?

Office of Adult Services offers:

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“As an adult and a single parent, I decided to return to school at FCC. I had the most phenomenal experience with the Office of Adult Services. Staff care about their students' success and they make you feel very comfortable on your way to accomplishing your goal.”

— Felicia Fisher



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Online & Hybrid Courses

Please read the following requirements before registering for an online or hybrid course.

Frederick Community College offers two types of courses over the Internet: hybrid courses and online courses. Hybrid courses require the student to attend some class sessions on campus; online courses do not. Any course section with the letters "HYB" indicates a hybrid course. The mouse icon (🖱️) indicates online courses.

Both online and hybrid courses are taught on Blackboard™ and require that students:

- Have Internet access through broadband connection or Wi-Fi (wireless)
- Have access to a Windows, Mac, or Linux computer
- Have Windows 7 or higher, Mac OS X, or Linux with Ubuntu 14 or higher
- Have Internet Explorer 8 or higher, or the most recent version of Mozilla Firefox or Google Chrome, all with the most recent Java and Flash updates applied
- Establish a myFCC e-mail account;
- Have basic computer skills in word processing, e-mail procedures, web-browsing, and handling features such as pop-up blockers;
- Are responsible for maintaining appropriate security and virus protection when using the student's own personal computer(s).

Students should expect to spend as much time on an Internet course as they would on a traditional on-campus course.

Students should be self-motivated to handle the independent nature of learning that occurs in online courses.

Access to Blackboard: <http://frederick.blackboard.com>. User name Wxxxxxxx (where xxxxxx is the seven digit student ID number); first time login password is first 2 letters of last name and last five digits of Student ID number. If one does not work, try the other.

Textbooks: Purchase textbooks from the FCC Bookstore. Make sure you select books for the online section of the course as they may differ from textbooks used in on-campus sections. Some instructors require the corresponding access code for web resources.

Email Advising (emailadvising@frederick.edu): If you are unable to come on campus for advising services, Email Advising is available to all current FCC students using their <http://myFCC.frederick.edu> email accounts. Please provide your full name and Student ID number. Typical response time is 24-48 hours depending on the information requested.

Note: Students will need to contact the Distributed Learning office for permission to register in an online section after the third day of courses.

Online and Hybrid Orientation

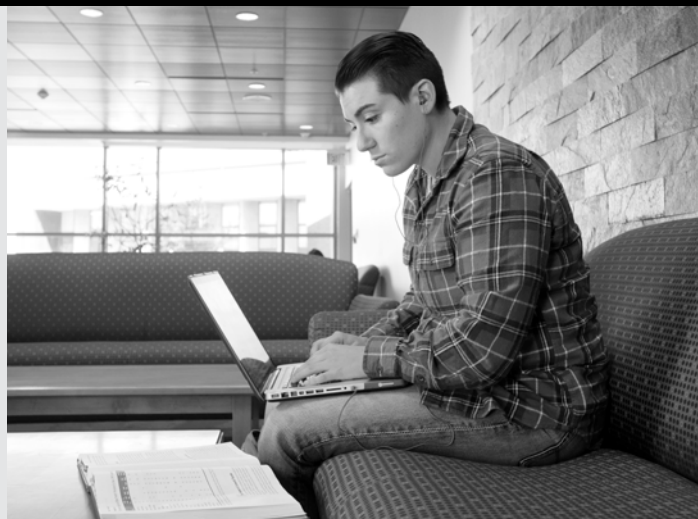
**Broadcast live online
January 25 at 7pm**

<http://tinyurl.com/kjpfz94>

Learn about the special demands of online learning,
and preview an actual online course.

A recording of the orientation will be available for students
unable to participate in the live viewing.

No registration necessary.





2018

Online & Hybrid Courses

Any course section with the letters "HYB" indicates a hybrid course. The mouse icon (🖱) indicates online courses.

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

Note: All course sections require access to Blackboard at <https://frederick.blackboard.com>. Students are expected to be able to access Blackboard via the Internet using personal, public, or appropriate College-available computers. Blackboard access is also required to complete course evaluations. **Students will need to contact the Distributed Learning Office for permission to register in an online section after the second day of classes.**

13-week

BI: Biological Science

BI117 - Study of the Human Body (3)				
4355	BI117-ONL1	🖱	ONLINE	13-week
BI130 - Forensic Biology (4)				
3892	BI130-ONL1	🖱	ONLINE	13-week

CH: Chemistry

CH101 - General Chemistry (4)				
3308	CH101-ONL1	🖱	ONLINE	13-week

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)				
4383	CIS101-ONL2	🖱	ONLINE	13-week
3139	CIS101-HYB2	W 5:30pm - 7pm	HYBRID	13-week
CIS106 - Object Design and Programming (3)				
4088	CIS106-ONL1	🖱	ONLINE	13-week
3150	CIS106-HYB3	Th 6:45pm - 9pm	HYBRID	13-week
CIS111E - Microcomputer Software Applications: Spreadsheets (3)				
3152	CIS111E-ONL1	🖱	ONLINE	13-week
CIS111M - PC Operating Systems (3)				
3156	CIS111M-ONLK	🖱	ONLINE	13-week
3854	CIS111M-HY2L	Th 3:30pm - 4:45pm	HYBRID	13-week
CIS140 - Java Programming (3)				
3159	CIS140-HYB1	Th 5pm - 6:30pm	HYBRID	13-week
CIS179 - Cybersecurity Fundamentals (3)				
3164	CIS179-HYB2	M 6:40pm - 7:55pm	HYBRID	13-week
CIS201 - Computer Science I (4)				
3171	CIS201-HYB1	Tu,Th 11am - 12:15pm	HYBRID	13-week
3172	CIS201-HYB2	W 5pm - 7pm	HYBRID	13-week
CIS202 - Computer Science II (4)				
3173	CIS202-HYB1	W 5pm - 7pm	HYBRID	13-week

CIS203 - Systems Analysis & Design (3)				
3174	CIS203-HYB1	W 12:30pm - 1:45pm	HYBRID	13-week
4210	CIS203-HYB2	M 5:05pm - 6:20pm	HYBRID	13-week
CIS212 - PC Repair & Diagnostics (3)				
3179	CIS212-ONLK	🖱	ONLINE	13-week
3857	CIS212-HY2L	Th 4:45pm - 6pm	HYBRID	13-week
CIS218 - Information Security & Assurance (3)				
3182	CIS218-HYB1	M 6:30pm - 7:45pm	HYBRID	13-week
CIS219 - Ethical Hacking and Systems Defense (3)				
3183	CIS219-HYB1	W 5pm - 7pm	HYBRID	13-week
CIS222 - Computer Organization (4)				
3184	CIS222-HYB1	W 7:15pm - 8:30pm	HYBRID	13-week
CIS225C - Computer Programming Language: Mobile Applet Programming (3)				
4413	CIS225C-HYB1	M 5pm - 6:30pm	HYBRID	13-week
CIS226 - Game Scripting (3)				
3186	CIS226-HYB1	W 7:15pm - 8:30pm	HYBRID	13-week
CIS227 - Game Programming (4)				
4412	CIS227-HYB1	Th 5pm - 6:30pm	HYBRID	13-week
CIS228 - Simulation and Game Development (4)				
4391	CIS228-HYB1	Tu 5pm - 6:45pm	HYBRID	13-week

CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)				
3348	CJ101-ONL1	🖱	ONLINE	13-week
CJ214 - The Correctional Process (3)				
4403	CJ214-ONL1	🖱	ONLINE	13-week

CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)				
4443	CMM101-ONL1	🖱	ONLINE	13-week

ED: Education

ED102 - Schools and Society (3)				
3363	ED102-ONL1	🖱	ONLINE	13-week

PS: Psychology

PS101 - General Psychology (3)				
3433	PS101-ONL2	🖱	ONLINE	13-week

SO: Sociology

SO101 - Introduction to Sociology (3)				
3960	SO101-ONL2	🖱	ONLINE	13-week
SO201 - Criminology (3)				
3459	SO201-ONL1	🖱	ONLINE	13-week

15-week

ACCT: Accounting

ACCT101 - Principles of Accounting I (3)				
3091	ACCT101-ONL1	🖱	ONLINE	15-week
ACCT102 - Principles of Accounting II (3)				
3097	ACCT102-ONL1	🖱	ONLINE	15-week

ACCT202 - Intermediate Accounting II (4)
3100 ACCT202-HYB1 M 5pm - 7:05pm HYBRID 15-week

ACCT233 - Applied Accounting (3)
4376 ACCT233-HYB1 Tu 5pm - 6:15pm HYBRID 15-week

ACE: Academic and Career Engagement

ACE110 - Career Assessment and Planning (3)
3908 ACE110-HYB1 Th 12:30pm - 1:45pm HYBRID 15-week

AN: Anthropology

AN101 - Introduction to Anthropology (3)
3346 AN101-ONL1 ONLINE 15-week

AR: Art

AR100 - Introduction to the Creative Arts (3)
3622 AR100-ONL1 ONLINE 15-week

ASLS: American Sign Language Studies

ASLS106 - Introduction to Deaf Community and History (3)
3673 ASLS106-ONL1 ONLINE 15-week

ASLS206 - American Deaf Culture (3)
3674 ASLS206-ONL1 ONLINE 15-week

BI: Biological Science

BI100 - Fundamental Concepts of Biology (4)
3232 BI100-HYBC HYBRID 15-week
3233 BI100-HYBB Tu 11am - 1:30pm HYBRID 15-week

BI103 - Anatomy and Physiology (4)
4349 BI103-HYBC HYBRID 15-week
4350 BI103-HYBB Tu 9:30am - 12pm HYBRID 15-week

BI104 - Anatomy and Physiology (4)
3890 BI104-HYBC HYBRID 15-week
3891 BI104-HYBB F 11am - 1:30pm HYBRID 15-week

BI140 - Biotechnology and Society (3)
4362 BI140-ONL1 ONLINE 15-week

BI220 - Cell Biology and Tissue Culture (4)
3993 BI220-HYBC HYBRID 15-week
3994 BI220-HYBB Tu 6pm - 8:30pm HYBRID 15-week

BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)
3995 BPM102-ONL1 ONLINE 15-week

BU: Business Studies

BU103 - Introduction to Business (3)
4424 BU103-ONL1 ONLINE 15-week
4425 BU103-HYB1 M 12:30pm - 1:45pm HYBRID 15-week

BU110 - Personal Financial Management (3)
3111 BU110-ONL1 ONLINE 15-week

BU211 - Business Law I (3)
3113 BU211-ONL1 ONLINE 15-week

BU221 - Public Relations (3)
4408 BU221-ONL1 ONLINE 15-week

BU225 - Marketing (3)
3116 BU225-ONL1 ONLINE 15-week
3115 BU225-HYB1 Tu 11am - 12:15pm HYBRID 15-week

BU227 - Principles of Management (3)
3118 BU227-ONL1 ONLINE 15-week

BU273 - Business Communications (3)
3122 BU273-ONL1 ONLINE 15-week
3120 BU273-HYB1 Th 11am - 12:15pm HYBRID 15-week

BU274 - Customer Relations (3)
3123 BU274-ONL1 ONLINE 15-week

BU275 - Fundamentals of Leadership (3)
3124 BU275-ONL1 ONLINE 15-week

BU281 - Global Awareness in the Work Environment (3)
3126 BU281-ONL1 ONLINE 15-week
3125 BU281-HYB1 W 12:30pm - 1:45pm HYBRID 15-week

BU/MA: Business/Mathematics

BU/MA205 - Business Statistics (3)
3002 BU/MA205-ONL1 ONLINE 15-week

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)
3142 CIS101-ONL1 ONLINE 15-week

CIS106 - Object Design and Programming (3)
4087 CIS106-HYB1 M 5pm - 6:30pm HYBRID 15-week

CIS111L - UNIX/Linux Operating System (3)
3153 CIS111L-HYB1 W 7:15pm - 8:30pm HYBRID 15-week

CIS111M - PC Operating Systems (3)
3154 CIS111M-HY1L M 2:30pm - 3:45pm HYBRID 15-week
3155 CIS111M-HY3L Tu 5pm - 6:15pm HYBRID 15-week
4091 CIS111M-HY4L W 5pm - 6:15pm HYBRID 15-week

CIS212 - PC Repair & Diagnostics (3)
3177 CIS212-HY1L M 3:45pm - 5pm HYBRID 15-week
3178 CIS212-HY3L Tu 6:15pm - 7:30pm HYBRID 15-week
4103 CIS212-HY4L W 6:15pm - 7:30pm HYBRID 15-week

CIS217 - Cybercrime and Digital Forensics Investigation (3)
3180 CIS217-HYB1 Th 5pm - 6:30pm HYBRID 15-week

CIS223 - Cloud Security (3)
3185 CIS223-HYB1 M 8pm - 9:15pm HYBRID 15-week

CMM: Communications Media

CMM103 - Introduction to Film (3)
3681 CMM103-ONL1 ONLINE 15-week

CMSP: Communications Speech

CMSP103 - Speech Fundamentals (3)
3709 CMSP103-ONL1 ONLINE 15-week

CMSP107 - Career Communication (3)
3723 CMSP107-ONL1 ONLINE 15-week

CON: Construction Management

CON101 - Construction Management (3)
3187 CON101-ONL1 ONLINE 15-week

EC: Economics

EC201 - Principles of Economics (3)

3195 EC201-ONL1  ONLINE 15-week

EC202 - Principles of Economics (3)

3201 EC202-ONL1  ONLINE 15-week

3197 EC202-HYB1 Tu 9:30am - 10:45am HYBRID 15-week

ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)

3354 ECD101-ONL1  ONLINE 15-week

ECD106 - Infants & Toddlers Development and Care (3)

4428 ECD106-HYB1 W 7:45pm - 9pm HYBRID 15-week

ED: Education

ED100 - Child Development & Behavior (3)

3970 ED100-ONL1  ONLINE 15-week

ED202 - Educational Psychology (3)

3365 ED202-ONL1  ONLINE 15-week

ED203 - Foundations of Special Education (3)

3367 ED203-ONL1  ONLINE 15-week

ED214 - Processes and Acquisition of Reading (3)

3369 ED214-ONL1  ONLINE 15-week

ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)

3376 ED/PS208-ONL1  ONLINE 15-week

EM: Emergency Management

EM104 - Disaster Response and Recovery (3)

4034 EM104-ONL1  ONLINE 15-week


EM106 - Mitigation and Hazard Management (3)

4331 EM106-ONL1  ONLINE 15-week

EM110 - Federal Emergency Management (3)

4332 EM110-ONL1  ONLINE 15-week

EM201 - Research and Technology in Emergency Management (3)

4468 EM201-ONL1  ONLINE 15-week

EM205 - Emergency Management Leadership (3)

4202 EM205-HYB1 Tu 5pm - 7:30pm HYBRID 15-week

EM210 - Emergency Management Capstone (3)

4377 EM210-HYB1 M 5pm - 7:30pm HYBRID 15-week

EN: English

EN101 - English Composition (3)

3577 EN101-ONL1  ONLINE 15-week

3578 EN101-ONL2  ONLINE 15-week

4407 EN101-HYB1 M 6pm - 7:15pm HYBRID 15-week

EN102 - English Composition and Literature (3)

3608 EN102-ONL1  ONLINE 15-week

3609 EN102-ONL2  ONLINE 15-week

EN216 - The Short Story (3)

3614 EN216-ONL1  ONLINE 15-week

GG: Geography

GG102 - Cultural Geography (3)

3382 GG102-ONL1  ONLINE 15-week

HE: Health Education

HE102 - Nutrition in a Changing World (3)

3467 HE102-ONL1  ONLINE 15-week

3468 HE102-ONL2  ONLINE 15-week

HE201 - Stress Management (3)

3480 HE201-ONL1  ONLINE 15-week

3481 HE201-ONL2  ONLINE 15-week

HE204 - Health Education (3)

3486 HE204-ONL1  ONLINE 15-week

3482 HE204-HYB1 M 2pm - 3:30pm HYBRID 15-week

HI: History

HI102 - History of Western Civilization (3)

4370 HI102-ONL1  ONLINE 15-week

HI201 - History of the United States (3)

3390 HI201-ONL1  ONLINE 15-week

HI202 - History of the United States (3)

3992 HI202-ONL1  ONLINE 15-week

HS: Human Services

HS102 - Human Relations (3)

3403 HS102-ONL1  ONLINE 15-week

HS204 - Ethics and Practice Issues in the Human Services and Addiction Counseling (3)

3407 HS204-HYB1 F 1:30pm - 3:30pm HYBRID 15-week

ID: Interdisciplinary Studies

ID225 - Disaster, Crisis and Emergency Management (3)

3905 ID225-ONL1  ONLINE 15-week

LA: Paralegal

LA103 - Ethics for the Legal Professional (3)

4409 LA103-ONL1  ONLINE 15-week

LA105 - Torts (3)

3413 LA105-ONL1  ONLINE 15-week

LA110 - Legal Research (3)

4015 LA110-HYB1 Tu 6pm - 9pm HYBRID 15-week

LA240 - Family Law (3)

3415 LA240-HYB1 W 6pm - 9pm HYBRID 15-week

LS: Spanish

LS101 - Introductory Spanish I (3)

3734 LS101-ONL1  ONLINE 15-week

4204 LS101-ONL2  ONLINE 15-week

LS102 - Introductory Spanish II (3)

3736 LS102-ONL1  ONLINE 15-week

MA: Mathematics

MA103 - Foundations of Mathematics (3)				
3017 MA103-ONL1	📱	ONLINE	15-week	
MA111 - Precalculus (4)				
3026 MA111-ONL1	📱	ONLINE	15-week	
MA201 - Applied Calculus (3)				
3990 MA201-ONL1	📱	ONLINE	15-week	
MA206 - Elementary Statistics (3)				
3041 MA206-ONL1	📱	ONLINE	15-week	
4208 MA206-ONL2	📱	ONLINE	15-week	
MA207 - Elementary Statistics with Probability (4)				
3043 MA207-HYB1	M 5:30pm - 7:10pm	HYBRID	15-week	
MA210 - Calculus I (4)				
3048 MA210-ONL1	📱	ONLINE	15-week	
MA83 - Educator Preparation in Mathematics (0) [2]				
4399 MA83-ONL1	📱	ONLINE	15-week	

MDA: Medical Assisting

MDA109 - Medical Terminology (3)				
3208 MDA109-ONL1	📱	ONLINE	15-week	
3206 MDA109-HYB1	Th 9:30am - 10:45am	HYBRID	15-week	
3207 MDA109-HYB2	Th 2pm - 3:15pm	HYBRID	15-week	
MDA216 - Medical Coding Basics (3)				
4017 MDA216-ONL1	📱	ONLINE	15-week	
MDA222 - Introduction to Federal Healthcare Programs and Laws (3)				
4019 MDA222-ONL1	📱	ONLINE	15-week	

MU: Music

MU101 - Introduction to Music History and Appreciation (3)				
3738 MU101-ONL1	📱	ONLINE	15-week	
MU103 - Fundamentals of Music (3)				
3741 MU103-ONL1	📱	ONLINE	15-week	
MU108 - Survey of World Music (3)				
3744 MU108-ONL1	📱	ONLINE	15-week	

PC: Physical Science

PC103 - Elements of Physical Science (3)				
3322 PC103-ONL1	📱	ONLINE	15-week	
PC104 - The Water Planet: Introduction to Oceanography (3)				
3323 PC104-ONL1	📱	ONLINE	15-week	
PC106 - Introduction to Meteorology (4)				
3325 PC106-ONL1	📱	ONLINE	15-week	
PC107 - Introductory Astronomy (4)				
3328 PC107-ONL1	📱	ONLINE	15-week	
PC115 - Introduction to Geoscience (4)				
3335 PC115-ONL1	📱	ONLINE	15-week	

PH: Philosophy

PH204 - World Religions (3)				
3814 PH204-ONL1	📱	ONLINE	15-week	
PH207 - Biomedical Ethics (3)				
3817 PH207-ONL1	📱	ONLINE	15-week	

PH208 - Business Ethics (3)				
3819 PH208-ONL1	📱	ONLINE	15-week	

PI: Political Science

PI104 - American Government: National (3)				
3418 PI104-ONL1	📱	ONLINE	15-week	

PS: Psychology

PS101 - General Psychology (3)				
3432 PS101-ONL1	📱	ONLINE	15-week	
PS202 - Social Psychology (3)				
3437 PS202-ONL1	📱	ONLINE	15-week	
PS206 - Abnormal Psychology (3)				
3442 PS206-ONL1	📱	ONLINE	15-week	

SO: Sociology

SO101 - Introduction to Sociology (3)				
3452 SO101-ONL1	📱	ONLINE	15-week	
SO102 - Social Problems (3)				
3456 SO102-ONL1	📱	ONLINE	15-week	

1st 5-week

CIS: Computer and Information Sciences

CIS175 - Game Theory and Design (3)				
3919 CIS175-HYB1	Tu 5:30pm - 6:45pm	HYBRID	1st 5-week	

1st 7-week

ACCT: Accounting

ACCT101 - Principles of Accounting I (3)				
3090 ACCT101-HYB1	Tu 6pm - 8:35pm	HYBRID	1st 7-week	

BLD: Building Trades

BLD109 - Fundamentals of HVACR (4)				
3055 BLD109-HYB1	Tu,Th 6pm - 9pm	HYBRID	1st 7-week	
BLD113 - HVAC Installation & Troubleshooting (3)				
3057 BLD113-HYB1	M,W 6pm - 8:30pm	HYBRID	1st 7-week	
BLD141 - Fundamentals of Structural Wiring (4)				
3843 BLD141-HYB1	M,W 6pm - 9pm	HYBRID	1st 7-week	
BLD145 - Commercial Electric (3)				
3062 BLD145-HYB1	Tu,Th 6pm - 8:30pm	HYBRID	1st 7-week	

BU: Business Studies

BU103 - Introduction to Business (3)				
3109 BU103-ONL2	📱	ONLINE	1st 7-week	
3108 BU103-HYB4	Tu 6pm - 9pm	HYBRID	1st 7-week	
BU211 - Business Law I (3)				
3850 BU211-HYB1	Th 6pm - 9pm	HYBRID	1st 7-week	
BU290 - Project Management (3)				
4082 BU290-HYB1	Tu 6pm - 8:30pm	HYBRID	1st 7-week	

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)					
3127	CAD101-HYB1	M	5pm - 8pm	HYBRID	1st 7-week
CAD130 - Introduction to Revit (BIM) (3)					
3130	CAD130-HYB1	Th	5pm - 7:35pm	HYBRID	1st 7-week
CAD201 - Residential Architecture I (4)					
4334	CAD201-HYB1	W	5pm - 8:45pm	HYBRID	1st 7-week

CIS: Computer and Information Sciences

CIS177 - Interactive 3D Technology (3)					
4166	CIS177-HYB1	Tu	2pm - 4:30pm	HYBRID	1st 7-week
CIS179 - Cybersecurity Fundamentals (3)					
3163	CIS179-HYB1	W	2pm - 3:15pm	HYBRID	1st 7-week
CIS180 - Networking Fundamentals (3)					
3855	CIS180-ONL1			ONLINE	1st 7-week
3165	CIS180-HYB1	W	9:30am - 11:45am	HYBRID	1st 7-week
3166	CIS180-HYB2	Tu	6:45pm - 9pm	HYBRID	1st 7-week
CIS190 - Cisco 1 Network Fundamentals (3)					
3167	CIS190-HYB1	M	5pm - 7:30pm	HYBRID	1st 7-week
CIS192 - Cisco 3 Switching Technologies (3)					
3169	CIS192-ONL1			ONLINE	1st 7-week

EC: Economics

EC201 - Principles of Economics (3)					
3861	EC201-ONL2			ONLINE	1st 7-week
3192	EC201-HYB3	W	5pm - 8pm	HYBRID	1st 7-week

HOS: Hospitality Culinary Tourism

HOS110 - Introduction to Hospitality Management (3)					
4320	HOS110-HYB2	Tu	6pm - 8:40pm	HYBRID	1st 7-week
HOS161 - Event Management (3)					
4319	HOS161-HYB2	M	6pm - 8:40pm	HYBRID	1st 7-week

LA: Paralegal

LA120 - Legal Writing and Documents (3)					
3414	LA120-HYB1	M	6pm - 9pm	HYBRID	1st 7-week

MDA: Medical Assisting

MDA108 - Basic Medical Terminology (1)					
4186	MDA108-ONL1			ONLINE	1st 7-week
MDA110 - Pharmacology for Medical Office Practice (3)					
4016	MDA110-HYB1	Th	11am - 1:45pm	HYBRID	1st 7-week
MDA112 - Medical/Administrative Office Applications (3)					
4338	MDA112-HYB1	W	6pm - 8:45pm	HYBRID	1st 7-week
MDA216 - Medical Coding Basics (3)					
3213	MDA216-HYB1	Tu	6pm - 9pm	HYBRID	1st 7-week
MDA218 - Health Insurance Billing and Reimbursement (3)					
4018	MDA218-ONL1			ONLINE	1st 7-week
MDA220 - Electronic Health Records (3)					
3214	MDA220-ONL1			ONLINE	1st 7-week

PE: Physical Education

PE188 - Yoga (3)					
3502	PE188-HYB1	M	6pm - 8:35pm	HYBRID	1st 7-week
PE237 - Exercise Psychology (1)					
3511	PE237-ONL1			ONLINE	1st 7-week

1st 7-week Saturday

ACCT: Accounting

ACCT100 - Business Accounting (3)					
3083	ACCT100-HYB1	SAT	8:30am - 12pm	HYBRID	1st 7-week Saturday

BU: Business Studies

BU103 - Introduction to Business (3)					
4447	BU103-HYB3	SAT	9am - 12pm	HYBRID	1st 7-week Saturday

EC: Economics

EC201 - Principles of Economics (3)					
3193	EC201-HYB1	SAT	9am - 11:35am	HYBRID	1st 7-week Saturday

ECD: Early Childhood Development

ECD213 - Understanding and Guiding the Young Child's Behavior (3)					
3359	ECD213-HYB1	SAT	9am - 1:15pm	HYBRID	1st 7-week Saturday

LA: Paralegal

LA100 - Introduction to Law (3)					
3411	LA100-HYB1	SAT	9am - 1:15pm	HYBRID	1st 7-week Saturday

1st 8-week

ECD: Early Childhood Development

ECD230 - Language & Literacy Development in Early Childhood (3)					
3873	ECD230-ONL1			ONLINE	1st 8-week

EN: English

EN101 - English Composition (3)					
3579	EN101-ONL3			ONLINE	1st 8-week

HE: Health Education

HE102 - Nutrition in a Changing World (3)					
3469	HE102-ONL3			ONLINE	1st 8-week

MA: Mathematics

MA214 - Introduction to MATLAB (1)					
4001	MA214-ONL1			ONLINE	1st 8-week
4402	MA214-ONL2			ONLINE	1st 8-week

2nd 10-Week

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

3143 CIS101-ONL3			ONLINE	2nd 10-week
3136 CIS101-HYB1	F	9:30am - 11:55am	HYBRID	2nd 10-week
3141 CIS101-HYB3	Th	5:30pm - 7:30pm	HYBRID	2nd 10-week

CIS106 - Object Design and Programming (3)

3151 CIS106-HYB2	Tu	7pm - 9pm	HYBRID	2nd 10-week
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CIS111E - Microcomputer Software Applications: Spreadsheets (3)

4162 CIS111E-HYB1	M	5pm - 6:15pm	HYBRID	2nd 10-week
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CIS111L - UNIX/Linux Operating System (3)

4090 CIS111L-ONL1			ONLINE	2nd 10-week
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CIS111R - Business Software Applications (3)

3157 CIS111R-ONL1			ONLINE	2nd 10-week
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CIS118 - Data Analytics Using Spreadsheets (3)

4388 CIS118-HYB1	Tu	5pm - 6:15pm	HYBRID	2nd 10-week
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CIS119 - Statistical Analysis System (SAS) (3)

4389 CIS119-HYB1	Tu	6:30pm - 8:30pm	HYBRID	2nd 10-week
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CIS176 - Game Creation (3)

3920 CIS176-HYB1	Tu	5:30pm - 6:45pm	HYBRID	2nd 10-week
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CIS179 - Cybersecurity Fundamentals (3)

3958 CIS179-ONL1			ONLINE	2nd 10-week
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CIS203 - Systems Analysis & Design (3)

3175 CIS203-ONL1			ONLINE	2nd 10-week
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CIS204 - Computer & Information Sciences Project (3)

3176 CIS204-ONL1			ONLINE	2nd 10-week
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CIS208 - C++ Programming (3)

3856 CIS208-HYB1	Th	6:45pm - 9pm	HYBRID	2nd 10-week
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CIS217 - Cybercrime and Digital Forensics Investigation (3)

3181 CIS217-ONL1			ONLINE	2nd 10-week
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CIS218 - Information Security & Assurance (3)

3858 CIS218-ONL1			ONLINE	2nd 10-week
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CIS219 - Ethical Hacking and Systems Defense (3)

4104 CIS219-ONL1			ONLINE	2nd 10-week
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CIS223 - Cloud Security (3)

3859 CIS223-ONL1			ONLINE	2nd 10-week
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CIS230 - Database Management Systems (3)

3860 CIS230-HYB1	Tu	7pm - 8:45pm	HYBRID	2nd 10-week
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2nd 7-week

ACCT: Accounting

ACCT102 - Principles of Accounting II (3)

3096 ACCT102-HYB1	Tu	6pm - 8:35pm	HYBRID	2nd 7-week
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BLD: Building Trades

BLD101 - Introduction to Building Trades (3)

3054 BLD101-HYB1	M	6pm - 8:30pm	HYBRID	2nd 7-week
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BLD110 - Controls for HVACR (3)

3056 BLD110-HYB1	Tu,Th	6pm - 8:30pm	HYBRID	2nd 7-week
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BLD114 - Fossil Fuels & Hydronic Heating (3)

3058 BLD114-HYB1	M,W	6pm - 8:30pm	HYBRID	2nd 7-week
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BLD142 - Residential Electric (3)

3975 BLD142-HYB1	M,W	6pm - 8:30pm	HYBRID	2nd 7-week
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BLD146 - Specialized Systems (3)

3063 BLD146-HYB1	Tu,Th	6pm - 8:30pm	HYBRID	2nd 7-week
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BPM: Bioprocessing Technology

BPM110 - Bioprocessing Measurements (4)

4007 BPM110-HYBC			HYBRID	2nd 7-week
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4008 BPM110-HYBB	M,W	10:30am - 1:20pm	HYBRID	2nd 7-week
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BU: Business Studies

BU103 - Introduction to Business (3)

3849 BU103-ONL3			ONLINE	2nd 7-week
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3107 BU103-HYB2	F	9:30am - 12:30pm	HYBRID	2nd 7-week
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4329 BU103-HYB5	Tu	6pm - 9pm	HYBRID	2nd 7-week
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BU109 - Entrepreneurship & Small Business Enterprise (3)

3862 BU109-ONL1			ONLINE	2nd 7-week
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BU227 - Principles of Management (3)

3851 BU227-HYB1	Th	6pm - 9pm	HYBRID	2nd 7-week
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BU273 - Business Communications (3)

3121 BU273-HYB2	Tu	6pm - 9pm	HYBRID	2nd 7-week
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CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

3128 CAD101-HYB2	Th	5pm - 7:35pm	HYBRID	2nd 7-week
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CAD102 - Introduction to AutoCAD II (3)

3129 CAD102-HYB1	M	5pm - 8pm	HYBRID	2nd 7-week
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CAD200 - Introduction to Architectural Drawing and Design (3)

4333 CAD200-HYB1	W	5pm - 8pm	HYBRID	2nd 7-week
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CAD202 - Residential Architecture II (4)

4335 CAD202-HYB1	W	5pm - 8:45pm	HYBRID	2nd 7-week
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CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

3144 CIS101-ONL4			ONLINE	2nd 7-week
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CIS107 - Introduction to Programming (2)

4385 CIS107-HYB1	Tu	2pm - 4:30pm	HYBRID	2nd 7-week
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CIS111B - Microcomputer Software Applications: Database (3)

4414 CIS111B-ONL1			ONLINE	2nd 7-week
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CIS117 - Data Science Essentials (3)

4387 CIS117-ONL1			ONLINE	2nd 7-week
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CIS170 - Security Fundamentals (3)

4092 CIS170-ONL1			ONLINE	2nd 7-week
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CIS173 - Healthcare Information Technology (3)

3162 CIS173-ONL1			ONLINE	2nd 7-week
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CIS191 - Cisco 2 Routing Technologies (3)

3168 CIS191-HYB1	M	5pm - 7:30pm	HYBRID	2nd 7-week
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CIS193 - Cisco 4 WAN Technologies (3)

3170 CIS193-ONL1			ONLINE	2nd 7-week
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CIS200 - IT Support Services (3)


4415 CIS200-ONL1			ONLINE	2nd 7-week
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EC: Economics

EC201 - Principles of Economics (3)
3194 EC201-HYB2 M 5pm - 8pm HYBRID 2nd 7-week

EC202 - Principles of Economics (3)
3199 EC202-HYB3 W 5pm - 8pm HYBRID 2nd 7-week

HE: Health Education


HE110 - Nutrition Basics (1)
3472 HE110-ONL1  ONLINE 2nd 7-week

HOS: Hospitality Culinary Tourism

HOS123 - Purchasing & Cost Control (3)
4321 HOS123-HYB2 Tu 6pm - 8:40pm HYBRID 2nd 7-week


HOS163 - Hospitality Operations (3)
4328 HOS163-HYB2 W 6pm - 8:40pm HYBRID 2nd 7-week


LA: Paralegal


LA106 - Law & Technology (3)
4191 LA106-ONL1  ONLINE 2nd 7-week


LA220 - Evidence and Procedure (Civil) (3)
4230 LA220-HYB1 M 6pm - 9pm HYBRID 2nd 7-week

MDA: Medical Assisting

MDA108 - Basic Medical Terminology (1)
3205 MDA108-ONL2  ONLINE 2nd 7-week


MDA109 - Medical Terminology (3)
3961 MDA109-ONL2  ONLINE 2nd 7-week

MDA110 - Pharmacology for Medical Office Practice (3)
3209 MDA110-ONL1  ONLINE 2nd 7-week

MDA112 - Medical/Administrative Office Applications (3)
3210 MDA112-ONL1  ONLINE 2nd 7-week

MDA115 - Phlebotomy Skills (3)
4020 MDA115-HYB1 W 6pm - 9pm HYBRID 2nd 7-week

MDA218 - Health Insurance Billing and Reimbursement (3)
4339 MDA218-HYB1 Tu 6pm - 9pm HYBRID 2nd 7-week

MDA220 - Electronic Health Records (3)
3215 MDA220-ONL2  ONLINE 2nd 7-week

PE: Physical Education

PE188 - Yoga (3)
3503 PE188-HYB2 Tu 6pm - 8:35pm HYBRID 2nd 7-week

2nd 7-week Saturday

ACCT: Accounting

ACCT111 - Microcomputer Software Applications:
Computerized Accounting (3)
3098 ACCT111-HYB1 SAT 9am - 12pm HYBRID 2nd 7-week Saturday

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

EC: Economics

EC202 - Principles of Economics (3)
3200 EC202-HYB2 SAT 9am - 11:35am HYBRID 2nd 7-week Saturday

ECD: Early Childhood Development

ECD212 - Administration of Child Development Centers (3)
3358 ECD212-HYB1 SAT 9am - 1:15pm HYBRID 2nd 7-week Saturday

2nd 8-week

ACE: Academic and Career Engagement

ACE111B - Job Search and Workplace Basics (1)
4295 ACE111B-HYB1 Th 10:30am - 12:05pm HYBRID 2nd 8-week


CIS: Computer and Information Sciences

CIS107 - Introduction to Programming (2)
4384 CIS107-HYB2 M 6:40pm - 7:55pm HYBRID 2nd 8-week

CIS170 - Security Fundamentals (3)
3160 CIS170-HYB1 W 9:30am - 11:45am HYBRID 2nd 8-week
3161 CIS170-HYB2 Tu 6:45pm - 9pm HYBRID 2nd 8-week

CIS178 - 3D Modeling and Animation (3)
4167 CIS178-HYB1 Tu 2pm - 4:30pm HYBRID 2nd 8-week


CMM: Communications Media

CMM103 - Introduction to Film (3)
3957 CMM103-ONL2  ONLINE 2nd 8-week


ECD: Early Childhood Development

ECD104 - Activities I for Children (3)
3355 ECD104-HYB1 M 6pm - 8:30pm HYBRID 2nd 8-week


ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)
3377 ED/PS208-ONL2  ONLINE 2nd 8-week


EN: English

EN101 - English Composition (3)
3580 EN101-ONL4  ONLINE 2nd 8-week


HE: Health Education

HE102 - Nutrition in a Changing World (3)
3470 HE102-ONL4  ONLINE 2nd 8-week

PH: Philosophy

PH101 - Introduction to Philosophy (3)
3811 PH101-ONL1  ONLINE 2nd 8-week

PS: Psychology

PS101 - General Psychology (3)
3870 PS101-ONL3  ONLINE 2nd 8-week

Campus Locations

FCC classes are held on the main campus, at The Monroe Center, online, and offsite at various locations throughout the community and surrounding areas.

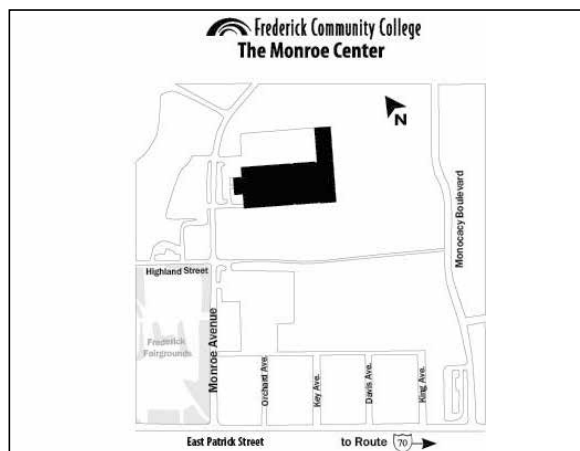
Campus Locations

- A—Annapolis Hall
- B—Braddock Hall
- C—Catoctin Hall
- D—Athletics Center
- E—Conference Center
- F—Visual & Performing Arts Center
- G—Gambrell Hall
- H—Student Center
- J—Jefferson Hall
- L—Linganore Hall
- P—Plant Operations
- S—Swadner Hall
- K—Mercer-Akre Kiln

The Monroe Center
 200 Monroe Avenue • Frederick, MD 21701
 240.629.7900

Visit frederick.edu for directions and hours of operation.

FCC Main Campus
 7932 Opossumtown Pike • Frederick, MD 21702



Frederick Community College Quick Facts FY17

Popular New Programs



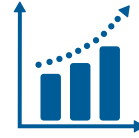
Addictions Counseling
Area of Concentration:
Social Sciences A.A. Degree



Audio Production
Area of Concentration:
STEM Technology
A.A.S. Degree



Computer Aided Design Technology
Area of Concentration:
STEM Technology
A.A.S. Degree



Data Science
Area of Concentration:
STEM Technology
A.A.S. Degree



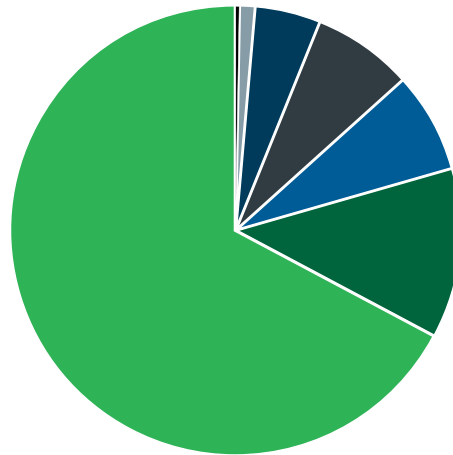
Hospitality Management
A.A.S. Degree

Student Profile

Total Credit Students FY 2017: **8,994**

56% WOMEN

44% MEN



- White (6,031 – 67.1%)
- African American/Black (1,096 – 12.2%)
- Hispanic/Latino (662 – 7.4%)
- Two or More Races (650 – 7.2%)
- Asian (419 – 4.7%)
- Other (107 – 1.2%)
- American Indian/Alaska Native (29 – .03%)

Top 5 Program Enrollments



1
General Studies
3,829



2
Nursing
619



3
Business Administration
483



4
STEM
234



5
Cybersecurity
220

Experience something

insightful

New!

**Data Science
Program**

