

Frederick Community College

2016 Fall Credit Schedule





Table of CONTENTS

Fall Academic Calendar.....	1	Program Contact List.....	10
Tuition & Fees.....	2	Fall General Education Courses.....	11
How to Apply & Register	3	Fall Courses.....	13
Financial Aid	8	Online & Hybrid Courses.....	57
Bookstore.....	9	Campus Locations.....	64

Campus Resources

Enrollment Services

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

Jefferson Hall/Enrollment Services (J Building)

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

Annapolis Hall (A Building, first floor)

Student Center

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

Student Center (H Building, first floor)

The Learning Commons

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

Linganore Hall (L Building, second floor)

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 Calendar Fall 2016

*Breaks and closings	
Labor Day, college closed	Sept. 3–5
Election Day—no classes, college open	Nov. 8
No classes, college offices close at 4:30pm, college closes at 11pm	Nov. 23
Thanksgiving break, college closed	Nov. 24-27

Graduation deadline

Last day to apply for:

August 2016 graduation Aug. 15
 December 2016 graduation Dec. 15

Academic Dates

First day to enroll April 20
 Summer 2016 "I" grades to F Sept. 15

*15-week

First day Aug. 22
 Last day to add Aug. 26
 Last day 100% refund Aug. 26
 Last day 50% refund Sept. 1
 Last day to withdraw, no refund Nov. 1
 Last day of classes Dec. 9
 Fall Semester Make-up Days Dec. 12-13
 Grades due (10 a.m.) Dec. 14

*1st 8-week

First day Aug. 22
 Last day to add Aug. 24
 Last day 100% refund Aug. 26
 Last day 50% refund Sept. 1
 Last day to withdraw, no refund Sept. 29
 Last day of classes Oct. 17
 Grades due (10 a.m.) Oct. 19

*1st 7-week session

First day Aug. 22
 Last day to add Aug. 24
 Last day 100% refund Aug. 26
 Last day 50% refund Sept. 1
 Last day to withdraw, no refund Sept. 24
 Last day of classes Oct. 10
 Grades due (10 a.m.) Oct. 12

*1st 5-week

First day Aug. 22
 Last day to add Aug. 23
 Last day 100% refund Aug. 26
 Last day 50% refund Sept. 1
 Last day to withdraw, no refund Sept. 15
 Last day of classes Sept. 26
 Grades due (10 a.m.) Sept. 28

*14-week • Saturday only

First day Aug. 27
 Last day to add Sept. 2
 Last day 100% refund Sept. 2
 Last day 50% refund Sept. 9
 Last day to withdraw, no refund Nov. 2
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

*1st 7-week Saturday

First day Aug. 27
 Last day to add Aug. 30
 Last day 100% refund Sept. 1
 Last day 50% refund Sept. 9
 Last day to withdraw, no refund Sept. 30
 Last day of classes Oct. 15
 Grades due (10 a.m.) Oct. 18

*13-week

First day Sept. 6
 Last day to add Sept. 10
 Last day 100% refund Sept. 10
 Last day 50% refund Sept. 16
 Last day to withdraw, no refund Nov. 4
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

*10-week

First day Sept. 27
 Last day to add Sept. 30
 Last day 100% refund Oct. 1
 Last day 50% refund Oct. 7
 Last day to withdraw, no refund Nov. 12
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

2nd 5-week

First day Sept. 27
 Last day to add Sept. 28
 Last day 100% refund Oct. 1
 Last day 50% refund Oct. 7
 Last day to withdraw, no refund Oct. 19
 Last day of classes Oct. 31
 Grades due (10 a.m.) Nov. 2

*2nd 8-week

First day Oct. 11
 Last day to add Oct. 13
 Last day 100% refund Oct. 15
 Last day 50% refund Oct. 21
 Last day to withdraw, no refund Nov. 17
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

*2nd 7-week

First day Oct. 18
 Last day to add Oct. 20
 Last day 100% refund Oct. 22
 Last day 50% refund Oct. 28
 Last day to withdraw, no refund Nov. 19
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

*2nd 7-week Saturday

First day Oct. 22
 Last day to add Oct. 25
 Last day 100% refund Oct. 27
 Last day 50% refund Nov. 2
 Last day to withdraw, no refund Nov. 29
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

*3rd 5-week

First day Nov. 1
 Last day to add Nov. 2
 Last day 100% refund Nov. 5
 Last day 50% refund Nov. 12
 Last day to withdraw, no refund Nov. 29
 Last day of classes Dec. 10
 Grades due (10 a.m.) Dec. 14

College Without the Debt

Tuition & Fees

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

Fall 2016 Tuition & Fees Chart *

Credits	In-County	Out-of-County	Out-of-State
1	\$144.12	\$284.12	\$376.12
2	\$288.24	\$568.24	\$752.24
3	\$432.36	\$852.36	\$1,128.36
4	\$576.48	\$1,136.48	\$1,504.48
5	\$720.60	\$1,420.60	\$1,880.60
6	\$864.72	\$1,704.72	\$2,256.72
7	\$1,008.84	\$1,988.84	\$2,632.84
8	\$1,152.96	\$2,272.96	\$3,008.96
9	\$1,297.08	\$2,557.08	\$3,385.08
10	\$1,441.20	\$2,841.20	\$3,761.20
11	\$1,585.32	\$3,125.32	\$4,137.32
12	\$1,729.44	\$3,409.44	\$4,513.44
13	\$1,873.56	\$3,693.56	\$4,889.56
14	\$2,017.68	\$3,977.68	\$5,265.68
15	\$2,161.80	\$4,261.80	\$5,641.80
16	\$2,305.92	\$4,545.92	\$6,017.92

* Tuition and fees rates are subject to change.

Tuition and fees*

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

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

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

Fees**

Consolidated service fee (*per credit hour*) . . \$22.88
 Student Activities (*10 credit maximum*) \$2.24
 Credit by Portfolio (*per credit hour*). 50% of tuition
 Credit by Departmental Exam
 (*per credit hour*) 50% of tuition
 Applied Music fee (*per class*) \$490
 Building Trades \$71.40
 Culinary Arts (*per class*) \$121
Please refer to the specific HOS course. Some courses require a chef uniform and basic knife or pastry set.
 FEMA Fee (*per credit hour*)
 (*subject to change*) \$81
 Module Fee (*per module*) \$100
 Welding \$180

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

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

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

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



If registered by Friday, July 15, 4:30 p.m.

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

If registered by Friday, August 12, 4:30 p.m.

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

If registered by Friday, August 19, 4:30 p.m.

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

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

Automatic Payment Plan

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

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

Target Dates To Enroll

Last day to enroll online	Required down payment	Number of payments*	Months of payments
June 5	0%	5	July–Nov
July 5	20%	4	Aug–Nov
Aug. 5	30%	3	Sept–Nov
Sept. 5	40%	2	Oct–Nov
Oct. 5	50%	1	Oct

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

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

If you are a financial aid student, see the payment plan information on page 9.

Don't throw this away!



FCC issues refunds electronically!

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

Higher One 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 Higher One).

For more information: www.myfccefunds.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 **Online Application**.
- 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 and the Frederick Community College Academic Placement and Assessment Procedures, the College requires that:

2a) Academic Assessment and Placement Policy and Procedures

I. Philosophy and Scope

Frederick Community College ("FCC" or the "College") is committed to supporting student success by ensuring appropriate course placement through assessment. Placement tests include a series of computer-based assessment tests that measure the reading, writing, and math skills needed for college-level coursework. Cut scores for mathematics and English courses are established through a statewide process, which are used for placement. Prerequisites are established for other courses. For more information on FCC placement testing, click [here](#).

II. Definitions for the Purpose of this Policy and Procedures

A. **"Certificate-Seeking"** refers to a category of individuals who have declared an intent to follow a sequence of specific credit courses resulting in a formal award of completion of up to 36 credits.

B. **"Courses of Interest"** refers to a category of individuals who seek to take courses listed as credit in the FCC Academic Catalog for personal knowledge or professional development as opposed to the fulfillment of FCC degree requirements.

C. **"Degree-Seeking"** refers to a category of individuals who have declared an intent to follow a prescribed curriculum in a career or transfer program that leads to an associate degree, which is generally 60 credits, unless otherwise specified.

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

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

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

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

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

III. Placement Tests

A. After applying to the College, placement tests are required for:

1. Individuals who are first-time college students who are seeking a degree or certificate whether they enroll full-time or part-time.
2. Individuals planning to take their first English or mathematics course.
3. Students seeking a degree/certificate whether they enroll full-time or part-time who have not been tested in the past or whose placement scores and/or exemptions have expired.
4. Transfer or readmitted individuals who have not completed a college-level math and/or English course.
5. Individuals who are designated as Courses of Interest students and wish to enroll in courses with prerequisites of reading, writing, or mathematics.

6. Individuals who change their designation from Courses of Interest to certificate- or degree-seeking.

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

B. Placement cut scores have been determined for college-readiness in reading, writing, and mathematics.

C. Non-native English speakers and some world English speakers will take the Level of English Proficiency (LOEP) placement test.

D. Individuals with documented disabilities as verified by the Services for Students with Disabilities Office will receive reasonable accommodations while completing their assessments.

E. High school grades alone do not determine placement.

F. Individuals are allowed to retest only one time per assessment, no sooner than 24 hours after the initial test.

G. Students who are continuously enrolled will not be allowed to retest once enrolled in a developmental course sequence.

V. Prerequisites

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

VI. Exceptions and Exemptions to Required Placement Testing

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

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

1. The equivalent of FCC course EN101 at an accredited U.S. institution or credit through DSST, CLEP, or International Baccalaureate exams.

2. The Advanced Placement (AP) test with a score of three or higher in English Language and Composition or English Literature and Composition. AP test scores are valid for five years.

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

1. A general education math course, at the level of college algebra or higher, at an accredited U.S. institution or credit through DSST, CLEP, or International Baccalaureate exams.

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

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

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

1. Individuals with an SAT math score of 500 or above or an ACT score of 21 or above are exempted from the math placement test.

2. Individuals with an SAT reading score of 500 or above are exempted from both the reading and the writing placement test.

3. Individuals with an ACT reading score of 21 or above are exempt from the reading placement test.

4. Individuals with an ACT writing score of 21 or above are exempt from the writing placement test.

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

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

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

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

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

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

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

3) Meet with an advisor

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

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

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

All new students planning to attend FCC for their first college experience will participate in the ROAR program. Students must have applied to the College and completed their placement assessment (or submitted SAT or ACT scores) before they can begin.

Three steps to ROAR:

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

For more information on ROAR, click [here](#).

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

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

Readmit Students

If you've attended FCC before, but not since the Spring 2014 semester, complete the admissions application and select "Readmit" under Classification. You may have to submit proof of residency. You will follow the requirements of the current catalog year.

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

Current Students

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

- Students who are advised by Multicultural Student Services (301.846.2531), Veterans Services (301.624.2836), Office of Adult Services (301.846.2483), or Services for Students with Disabilities (301.846.2408) should make an appointment with their program advisor.
- Students with declared majors (such as business, education, criminal justice, etc.) should meet with their faculty advisor. Faculty advisors' names and contact information can be found on page 10 and on the [Counseling & Advising Office Web page](#).

- 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 57 for more information about online classes at FCC.

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

Dual Enrollment of High School Aged Students

High school students are subject to the same assessment and placement policies and procedures as other students. Students must adhere to FCPS guidelines and complete appropriate paperwork. High school students earn 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.

Students from Other Institutions

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

1. First-time students and former students who have not attended FCC in two years: apply at 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, click [here](#).

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

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

Student Services Available Online

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

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

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

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

To find courses needed in your Degree Plan:

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

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

To enroll in courses from your Degree Plan:

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

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

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

Making Changes

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

To **drop a course/adjust your schedule:**

- From **Student Center**, under **Academics**, click on **Enroll**
- Click **drop** from the menu under the Enroll tab

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

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

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

Residency

Residency Policy and Procedure

I. Philosophy and Purpose

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

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

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

II. Definitions for the Purpose of this Policy and Procedures

A. The word domicile as used in this policy and procedures shall mean the permanent place of abode, where physical presence and possessions are maintained with the intention of remaining indefinitely; or the permanent place of abode of any person or persons contributing more than ½ of the student's financial support during the most recently completed year. Only one domicile may be maintained by a student.

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

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

D. In-County:

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

E. Out-of-County:

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

F. Out-of-State:

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

G. Military personnel and their dependents:

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

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

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

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

III. International and Foreign National Students

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

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

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

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

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

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

IV. Dream Act

- A. Students who have met the eligibility requirements outlined in the Maryland Dream Act will be granted the opportunity to receive in-county tuition. The student must present an affidavit stating that he/she will file an application to become a permanent resident within 30 days of becoming eligible to do so.
- B. Students who live in Frederick County or in Maryland, and qualify for in-county or in-state tuition, as outlined by the Maryland Dream Act, will remain undocumented immigrants. U.S. residency status is processed, determined and completed by the U.S. government.

V. Proof of Residency

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

- A. Substantially uninterrupted physical presence, including the months when the student is not in attendance at the college, as evidenced by ownership or rental of living quarters in which the student resides. (12-month lease or mortgage)
- B. Payment of Maryland state and local income taxes. (MD 502 Tax Form)
- C. Registration to vote in Frederick County and/or the state. (Voters Registration Card)
- D. Registration of a motor vehicle in the state, with a local address specified, if the person owns such a vehicle. (Motor Vehicle Registration Card)
- E. Possession of a valid Maryland driver's license, with a local address specified, if the person is licensed anywhere to drive a motor vehicle, or a valid Maryland MVA-issued ID. (Driver's license or MVA issued ID card)
- F. Active duty military personnel, honorably discharged veterans, spouses and dependents who reside, are stationed, or domiciled in Maryland are exempt from the 3-month requirement and are considered in-county once proof is shown. (Military orders, letter from Education Officer, DD214 and any of the residency factors listed above).

VI. Reclassification of Residency

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

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

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

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

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

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

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

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

Veterans Educational Benefits

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

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

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

Student Refunds

Eligibility for a tuition refund is based on the date of your withdrawal. See the **Academic Calendar** 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 Higher One based on which refund preference a student chooses. Please visit www.myfcefunds.com to ensure your higher one refund preference is activated. For more information, please contact the Student Accounts Office at 301.846.2456 or Higher One at 1.877.405.1856.

Senior Citizen Tuition Benefit Policy

Students age 60 and older who are Maryland residents may take classes at FCC tuition-free if they register starting August 1 for fall. Students must pay fees. See the **College Without the Debt** on page 2 for an explanation of fees. You can register before this date to reserve space, but you will have to pay full tuition and will not be eligible for the tuition-free benefit. There is no waiver of fees.

Disabled and Retired

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

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

In order to receive this waiver of tuition:

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

Financial Aid

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

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

Application Process

1. Complete the 2016–2017 Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov and list FCC's school code in step 6 (002071). Deadline to apply is June 30, 2017.
2. Upon receipt of your FAFSA data, the Financial Aid Office will contact you regarding eligibility and/or to request additional documentation. Students who are selected for verification will be required to submit additional documentation such as IRS Tax Transcript.
3. Students who wish to pursue their student loan eligibility are required to complete additional steps. The loan application process is outlined at frederick.edu.

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

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

Recommended deadlines for the fall 2016 semester:

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

If you register for classes between	Financial Aid Application Must be completed by	Payment Due By
4/20–7/15, 4:30 p.m.	6/1	7/15, 4:30 p.m.
7/15–8/12, 4:30 p.m.	7/1	8/12, 4:30 p.m.
8/12–9/19	Must pay in full or enroll in payment plan	Prior to 08/19/2016 or if enrolled after 08/19/2016 by session start date.

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

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

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

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

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

Scholarships

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

- April 18–June 30 for fall 2016
- November 7–January 3 for spring 2017

For additional information, contact the Financial Aid Office at 301.846.2620 or email financialaid@frederick.edu.

Services for Students with Disabilities

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

Contact Information:

Services for Students with Disabilities Office
301.846.2408

Coordinator for Deaf & Hard of Hearing Services
240.629.7819; interpreting@frederick.edu

Bookstore

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

Hours

Monday-Thursday 8:30am- 8pm
 Friday 8:30am-1pm
 Saturday, **August 6, 13, 20**.....10am-2pm
 Saturday August 27.....8am-2pm

Bookstore Calendar

August 6Fall books available to purchase and rent
 August 6, 13, & 20 (Saturdays).....10am–2pm
 August 18Bookstore opens at 10am
 August 27 (Saturday)8am–2pm
 September 5 Bookstore closed
 November 8Bookstore closed
 November 23-27Bookstore closed
 December 6, 7, 8. Textbook buyback from 9am to 6:30pm
 December 12 & 13.....Textbook buyback from 9am to 6:30pm
 December 19-January 1Bookstore closed

Buying/Renting Books

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

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

Books cannot be rented through our website.

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

Family Educational Rights & Privacy Act of 1974 (FERPA)

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

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

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

Students wishing to restrict directory information or grant additional access must contact the Welcome Center (in writing) with their request within two weeks of the start of the semester. A new form is required each academic year. Contact the Welcome Center for additional information.

Program Contact List

Academic & Career Engagement (ACE)

Office Manager, (L-103) Cheryl Schnebly240.629.7895

Allied Health and Wellness

Office Manager (L-101A), Ann Geyer301.846.2605

Health & Exercise Sciences, Jan Sholes301.846.2503

Nuclear Medicine, Michele Tertel301.624.2845

Respiratory Care, Rhonda Patterson301.846.2528

Surgical Technology, Nancy Dankanich301.846.2506

Computing and Business Technology (CBT)

Office Manager (C-212), Doree Lynn Miles301.846.2505

Accounting, CPA Prep, Mike Martin301.846.2543

Architectural Computer Aided Design, Michael Leonard240.629.7927

Business Administration, Business Management,
Economics, Marty Crabbs301.846.2611

Computer Science, Information Systems Management,
Information Technology—all options, Cybersecurity, Andy Yao301.846.2410

Construction Management, Michael Leonard240.629.7927

Medical Assistant, Karen A. Wilson301.624.2848

Paralegal, Tracy Parker301.624.2819

Communications, Humanities & Arts (CHA)

Office Manager (F-143), Karen Santelli301.846.2512

American Sign Language Studies, David Martin240.575.2299

Art, Wendell Poindexter301.846.2513

Communications Speech, Kathy Brooks301.846.2635

Digital Media Design, Computer Graphics, Lisa Sheirer301.846.2637

Digital Media Design, TV Production, Jason Santelli301.846.2533

Humanities, Stephanie Curran301.846.2512

Music, Paula Chipman301.846.2566

Theatre, Tad Janes301.846.2515

World Languages, Ana María Pinzón301.624.2843

Construction & Building Trades (Monroe Center)

Office Manager (Monroe, Main Lobby) Cheryl Concannon240.629.7903

Program Manager, Amy Richardson240.629.7985

Counseling & Advising Services

Office Manager, (J-207) Elizabeth Nichols301.624.2867

Emergency Management

Academic Program Manager, (E-102) Douglas McDaniel240.629.7952

English

Office Manager (H-243), Cheryl Peterson301.846.2600

Developmental English, Joe Healey301.846.2633

English as a Second Language, Stephanie Landon240.629.7925

Honors

Bruce Thompson301.846.2535

Mathematics

Office Manager (B-228), Jeanne Nesbitt301.846.2530

Mathematics, Gary Hull301.846.2576

STEM Learning Center/Lab, B-212

Nursing

Office Manager (L-114), Cathie Galeano301.846.2524

Science

Office Manager (C-118), Sharon Smith301.846.2510

Bioprocessing Technology, Keri-Beth Pettengill301.846.2564

Engineering, Physics, Perry Wood301.846.2554

STEM, Physical Sciences, Marc Frankenberry301.846.2606

Services for Students with Disabilities

Services for Students with Disabilities301.846.2408

Social Sciences

Office Manager (H-225), Nicole Welch301.846.2507

Criminal Justice, Molly Carlson301.624.2879

Early Childhood Education/Early Childhood Special Education,
and Early Childhood Development, Delaine Welch301.846.2559

Elementary Education/Elementary Special Education,
Secondary Education, Sarah Bigham301.846.2487

History, Sociology, Molly Carlson301.624.2879

Human Services, Natalie Bowers301.846.2696

Psychology, Molly Carlson301.624.2879

Public Safety—Fire Service Administration & Police Sciences, Robin Shusko .301.846.2673

General Education Courses Offered Fall 2016

1. Arts & Humanities

Arts

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

Humanities

- ASLS102 - American Sign Language I (3)
- ASLS103 - American Sign Language II (ASL II) (3)
- ASLS106 - Introduction to the Deaf Community (3)
- ASLS202 - American Sign Language III (ASL III) (3)
- EN102 - English Composition and Literature (3)
EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.
- EN203 - American Literature (3)
- EN206 - World Literature (3)
- EN216 - The Short Story (3)
- EN223 - Classical Mythology (3)
- EN227 - Literature: Multicultural Perspectives (3)
EN 227 can be taken to satisfy either the General Education requirement in Humanities or Multicultural Issues & Perspectives, but not both.
- EN231 - English Language Studies (3)
- LAR101 - Introductory Arabic I (3)
- LC101 - Introductory Chinese I (4)
- LF101 - Introductory French I (3)
- LF201 - Intermediate French I (3)
- LG101 - Introductory German I (3)
- LG102 - Introductory German II (3)
- LG201 - Intermediate German I (3)
- LI101 - Introductory Italian I (3)
- LL101 - Introductory Latin I (3)
- LL201 - Intermediate Latin I (3)
- LR101 - Introductory Russian I (3)
- LS101 - Introductory Spanish I (3)

- LS102 - Introductory Spanish II (3)
- LS201 - Intermediate Spanish I (3)
- LS211 - Spanish Conversation I (3)
- PH101 - Introduction to Philosophy (3)
- PH204 - World Religions (3)
- PH205 - Ethics (3)
- PH206 - Logic (3)
- PH207 - Biomedical Ethics (3)
- PH208 - Business Ethics (3)
- PH210 - Ethics and Film (3)

Communications

- CMSP101 - Introduction to Communication Studies (3)
- CMSP103 - Speech Fundamentals (3)
- CMSP105 - Small Group Communication (3)
- CMSP107 - Career Communication (3)
- 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/CMM218 - Journalism Publication Practicum (3)

2. English Composition

- EN 101 - English Composition (3)

3. Interdisciplinary & Emerging Issues

Computer Literacy

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

Wellness

- HE102 - Nutrition in a Changing World (3)
- HE201 - Stress Management (3)
- HE204 - Health Education (3)
- PE154 - Fitness for Living (3)

Interdisciplinary

- ID113 - Introduction to Leadership (3)
- ID209 - Ethnic Diversity (3)
- ID222 - The Sixties (3)
- ID225 - Disaster, Crisis and Emergency Management (3)
- ID250 - Global Scholar Experience (3)
ID 250 can be taken to satisfy either the General Education requirement in Interdisciplinary or in Multicultural Issues & Perspectives, but not both.
- ID260 - The Language of Hip Hop (3)

Multicultural Issues & Perspectives

- ASLS 106 - Introduction to the Deaf Community (3)

- BU 281 - Global Awareness in the Work Environment (3)
- EN 227 - Literature: Multicultural Perspectives (3)
EN 227 can be taken to satisfy either the General Education requirement in Humanities or Multicultural Issues & Perspectives, but not both.
- HI 217 - African-American History (3)
HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.
- ID250 - Global Scholar Experience (3)
ID 250 can be taken to satisfy either the General Education requirement in Interdisciplinary or in Multicultural Issues & Perspectives, but not both.
- MU 108 - Survey of World Music (3)
MU 108 can be taken to satisfy either the General Education requirement in Arts or in Multicultural Issues & Perspectives, but not both.
- PS 209 - Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)

4. Mathematics

- MA103 - Foundations of Mathematics (3)
- MA103A - Foundations of Mathematics with Algebra (3) [5]
- MA111 - Precalculus (4)
- MA130 - College Algebra (3)
- MA201 - Applied Calculus (3)
- BU/MA205 - Business Statistics with Algebra (3) [5]
- MA206 - Elementary Statistics (3)
- MA206A - Elementary Statistics with Algebra (3) [5]
- MA207 - Elementary Statistics with Probability (4)
- MA207A - Elementary Statistics with Probability with Algebra (4) [6]
- MA210 - Calculus I (4)
- MA211 - Calculus II (4)

5. Science

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

CH100 - Chemistry and Society (4)
 CH101 - General Chemistry (4)
 CH102 - General Chemistry (4)
 PC103 - Elements of Physical Science (3)
 PC104 - The Water Planet: Introduction to Oceanography (3)
 PC104H - The Water Planet: Introduction to Oceanography (3)
 PC105 - Introduction to the Science of Weather (3)
 PC106 - Introduction to Meteorology (4)
 PC107 - Introductory Astronomy (4)
 PC108 - Historical Geology (4)
 PC109 - Physical Geology (4)
 PC114 - Contemporary Physical Science (4)
 PC115 - Introduction to Geoscience (4)
 PY201 - Fundamentals of Physics (4)
 PY203 - Introductory Physics I (4)
 PY204 - Introductory Physics II (4)

6. Social & Behavioral Sciences

Anthropology

AN101 - Introduction to Anthropology (3)
 AN101H - Introduction to Anthropology (3)

Economics

EC201 - Principles of Economics (3)
 EC201H - Principles of Economics (3)
 EC202 - Principles of Economics (3)

Education

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

Geography

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

History

HI101 - History of Western Civilization (3)
 HI102 - History of Western Civilization (3)
 HI201 - History of the United States (3)
 HI201H - History of the United States (3)
 HI202 - History of the United States (3)
 HI 217 - African-American History (3)
 HI 217 can be taken to satisfy either the General Education requirement in Multicultural Issues & Perspectives or in History, but not both.

Human Services

HS 102 - Human Relations (3)

Political Science

PI 104 - American Government: National (3)

Psychology

PS101 - General Psychology (3)
 PS101H - General Psychology (3)
 PS202 - Social Psychology (3)

Sociology

SO 101 - Introduction to Sociology (3)
 SO 102 - Social Problems (3)

Phone Directory

College Information	301.846.2400
College Welcome Center	301.846.2431
Admissions	301.624.2716
Adult Services	301.846.2483
Bookstore	301.846.2463
Carl & Norma Miller Children's Center	301.846.2612
Center for Student Engagement	301.624.2793
Center for Teaching & Learning	301.846.2521
Continuing Education & Workforce Development	301.624.2888
Counseling & Advising Services	301.846.2471
Distributed Learning	301.846.2401
Dual Enrollment/Open Campus	240.629.7886
FEMA Transcripts	301.624.2854
Financial Aid	301.846.2480
Honors College	301.846.2535
International Education	301.846.2521
Internships	301.624.2724
Learning Commons	301.846.2444
Multicultural Student Services	301.846.2531
Registration & Records	301.846.2431
Security	301.846.2453
Services for Students with Disabilities	301.846.2408
Student Accounts (Cashier's Office)	301.846.2456
Testing Center	301.846.2522
Transcripts	301.846.2653
Tutoring & Writing Center	301.846.2619
Veterans Center	301.624.2836

2016

Fall Credit Schedule

Course Blackboard Requirements

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

ACCT: Accounting

ACCT100 - Business Accounting (3)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1932	ACCT100-1	TTH	8am – 9:15am	15-week
1933	ACCT100-2	M	5pm – 7:35pm	15-week
1934	ACCT100-HYB1	SAT	8:30am – 12:30pm	1st 7-week S

ACCT101 - Principles of Accounting I (3)

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

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

1935	ACCT101-1	MW	11am – 12:15pm	15-week
1936	ACCT101-2	MW	12:30pm – 1:45pm	15-week
1937	ACCT101-3	TTH	8am – 9:15am	15-week
1938	ACCT101-4	TTH	9:30am – 10:45am	15-week
1939	ACCT101-5	TTH	11am – 12:15pm	15-week
1940	ACCT101-6	TTH	12:30pm – 1:45pm	15-week
1941	ACCT101-7	M	5pm – 7:35pm	15-week
1942	ACCT101-8	W	5pm – 7:35pm	15-week
1944	ACCT101-HYB1	T	6pm – 8:35pm	1st 7-week
1945	ACCT101-ONL1		Online Course	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.

1946	ACCT102-1	MW	9:30am – 10:45am	15-week
1947	ACCT102-2	TTH	12:30pm – 1:45pm	15-week
1948	ACCT102-3	W	5pm – 7:35pm	15-week
1949	ACCT102-HYB1	T	6pm – 8:35pm	2nd 7-week
1950	ACCT102-ONL1		Online Course	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.

1951	ACCT111-HYB1	SAT	9am – 12pm	2nd 7-week S
1952	ACCT111-HYB2	M	7:45pm – 9:15pm	15-week

ACCT201 - Intermediate Accounting I (4)

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

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

1953	ACCT201-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.

1955	ACCT203-ONL1		Online Course	15-week
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ACCT205 - Federal Income Tax Accounting (3)

Prerequisite: ACCT 100 or ACCT 101

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

1956	ACCT205-1	T	5pm – 7:35pm	15-week
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ACCT216 - Governmental and Not-for-Profit Accounting (3)

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

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

1957	ACCT216-1	TH	5pm – 7:35pm	15-week
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Accounting Notes:

ACCT201—Intermediate Accounting I offered fall and spring semesters evening hybrid only.
ACCT202—Intermediate Accounting II offered fall and spring semesters evening hybrid only.
ACCT203—Managerial Cost Accounting offered fall semester online only; spring semester evening only.
ACCT205—Federal Income Tax Accounting offered fall semester evening only.
ACCT206—Federal Taxation: Corporations & Partnerships offered spring semester evening only.
ACCT214—Auditing offered spring semester hybrid only.
ACCT216—Governmental and Not-For-Profit Accounting offered fall semester evening only.
ACCT233—Applied Accounting offered spring semester evening only.

ACE: Academic and Career Engagement

ACE100 - Learning Strategies (2)

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

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

1671	ACE100-LK1	MW	9:30am – 10:20am	15-week
1672	ACE100-LK2	MW	12pm – 12:50pm	15-week
1673	ACE100-LK3	MW	2:30pm – 3:20pm	15-week
1674	ACE100-LK4	TTH	9:30am – 10:20am	15-week
1675	ACE100-LK5	TTH	12pm – 12:50pm	15-week
1676	ACE100-LK6	TTH	2:30pm – 3:20pm	15-week
1677	ACE100-LK7	F	12pm – 1:45pm	15-week
1678	ACE100-LK8	SAT	12pm – 1:45pm	14-week
1679	ACE100-LK9	M	7:45pm – 9:30pm	15-week
1680	ACE100-LK10	TTH	5pm – 5:50pm	15-week

Note: Students must also register for corresponding EN101 linked (LK) section.

ACE102 - College Success Tools (1)

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

Introduces students to tools, strategies, and resources designed to help build stronger academic foundations and make informed choices that will lead to college success. Students will plan their academic path, improve their study habits, and connect to campus and online resources to enhance their educational experience and achieve their goals.

2411	ACE102-1	MW	9am – 10:15am	1st 5-week
2412	ACE102-2	TTH	2pm – 3:15pm	1st 5-week
2413	ACE102-3	W	6pm – 8:35pm	1st 8-week

ACE110 - Career Assessment and Planning (3)

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

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

2405	ACE110-1	MW	11am – 12:15pm	15-week
2406	ACE110-2	TTH	12:30pm – 1:45pm	15-week
2407	ACE110-3	F	11am – 1:35pm	15-week
2408	ACE110-4	T	5pm – 7:35pm	15-week

ACE111A - Introduction to Career Planning (1)

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

Introduces the career planning process, focusing on students' ability to assess their career planning needs, decision-making, and goal setting, and to plan appropriate actions. Emphasis is placed on assessing varied career resources.

2409	ACE111A-1	F	9am – 10:35am	1st 8-week
2410	ACE111A-ONL1	📱	Online Course	1st 8-week

AN: Anthropology

AN101 - Introduction to Anthropology (3)

Gen Ed Anthropology; Cultural Competence

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

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

2163	AN101-1	MW	9:30am – 10:45am	15-week
2161	AN101-2	TTH	8am – 9:15am	15-week
2162	AN101-3	F	11am – 1:30pm	15-week
2164	AN101-ONL1	📱	Online Course	13-week

AN101H - Introduction to Anthropology (3)

Gen Ed Anthropology; Cultural Competence

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

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

2428	AN101H-1	TTH	2pm – 3:15pm	15-week
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AN103 - Introduction to Archeology (3)

Cultural Competence

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

Emphasizes archaeological tools, methods, interests and interpretations. Techniques of recording, preserving and organizing data will be practiced. Involves scouting of sites, test diggings and research of the known historical past. Provides a field study of the area.

2165	AN103-1	TTH	9:30am – 10:45am	15-week
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AR: Art

AR100 - Introduction to the Creative Arts (3)

Gen Ed Arts

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

Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works. The study of the creative arts will enhance self-expression and a better understanding of the human experience. The course meets the Maryland State approved Associate of Arts in Teaching degree.

1108	AR100-1	MW	8am – 9:15am	15-week
1107	AR100-2	MW	12:30pm – 1:45pm	15-week
1109	AR100-3	TTH	12:30pm – 1:45pm	15-week
1110	AR100-4	TTH	2pm – 3:15pm	15-week
1111	AR100-5	SAT	9am – 2:20pm	2nd 7-week 5
1113	AR100-6	M	5:30pm – 8:05pm	15-week
1114	AR100-ONL1	📱	Online Course	15-week
1402	AR100-ONL2	📱	Online Course	15-week

AR101 - Two Dimensional Art and Design (3)

Gen Ed Arts

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

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

1115	AR101-1	MW	9:30am – 11:30am	15-week
1116	AR101-2	MW	12:30pm – 2:30pm	15-week
1117	AR101-3	TTH	8am – 10am	15-week
1118	AR101-4	TTH	10am – 12pm	15-week
1119	AR101-5	TTH	1pm – 3pm	15-week
1120	AR101-6	T	5:30pm – 9:30pm	15-week
1121	AR101-HYB1	TBA		15-week

Note: Students must furnish own supplies.

AR103 - Survey of Non-Western Art (3)

Gen Ed Arts, Cultural Competence

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

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

1122	AR103-1	MW	9:30am – 10:45am	15-week
1123	AR103-2	MW	2pm – 3:15pm	15-week

AR104 - Survey of Art I (3)

Gen Ed Arts, Cultural Competence

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

Surveys the major developments in painting, sculpture and architecture from prehistoric times to the Italian Renaissance. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics and the human condition as manifested in the visual arts. A visit to an art museum is required.

1124	AR104-1	MW	9:30am – 10:45am	15-week
1125	AR104-2	TTH	12:30pm – 1:45pm	15-week
1126	AR104-ONL1	📱	Online Course	15-week

AR105 - Survey of Art II (3)

Gen Ed Arts, Cultural Competence

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

Surveys the major developments in painting, sculpture and architecture from the Italian Renaissance to the present. Explores multi-cultural diversity through the study of the history of civilization, religion, myth, literature, politics and the human condition as manifested in the visual arts. A visit to an art museum is required.

1127	AR105-1	TTH	9:30am – 10:45am	15-week
1128	AR105-ONL1	📱	Online Course	15-week

AR106 - Drawing I (3)

Gen Ed Arts

Prerequisites or Corequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Develops skills in using different drawing mediums and approaches. Emphasizes learning how to draw still life, landscape, drapery studies and experimental problems. Includes problems of scale and collage. Students will acquire a portfolio of drawings from studio work. Students must furnish supplies.

1135	AR106-1	MW	8am – 10am	15-week
1129	AR106-2	MW	9:30am – 11:30am	15-week
1130	AR106-3	M	12:30pm – 4:30pm	15-week
1131	AR106-4	MW	3pm – 5pm	15-week
1132	AR106-5	TTH	8am – 11am	2nd 8-week
1133	AR106-6	TTH	10am – 12pm	15-week
1134	AR106-7	TTH	12:30pm – 2:30pm	15-week
1159	AR106-8	SAT	9am – 1pm	14-week
1136	AR106-9	M	5:30pm – 9:30pm	15-week
1137	AR106-10	W	5:30pm – 9:30pm	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.

1139	AR109-1C	T	12:30pm – 4:30pm	15-week
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Note: Students must furnish own supplies.

AR113 - Pottery I (3)

Gen Ed Arts

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.

1140	AR113-1C	M	12:30pm – 4:30pm	15-week
1141	AR113-2C	T	12:30pm – 4:30pm	15-week
1142	AR113-3C	W	9am – 1pm	15-week
1143	AR113-4C	TH	9am – 1pm	15-week
1144	AR113-5C	M	5:30pm – 9:30pm	15-week
1145	AR113-6C	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.

1146	AR114-1C	M	12:30pm – 4:30pm	15-week
1147	AR114-2C	T	12:30pm – 4:30pm	15-week
1148	AR114-3C	W	9am – 1pm	15-week
1149	AR114-4C	TH	9am – 1pm	15-week
1150	AR114-5C	M	5:30pm – 9:30pm	15-week
1151	AR114-6C	W	5:30pm – 9:30pm	15-week

Note: Students must furnish own supplies.

AR115 - Introduction to Color Theory and Design (3)

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

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

1152	AR115-1	MW	3pm – 5pm	15-week
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AR203 - Sculpture (3)

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

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

1153	AR203-1C	TH	5:30pm – 9:30pm	15-week
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AR204 - Illustration I (3)

Prerequisite: AR 106

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

1154	AR204-1C	MW	12:30pm – 2:30pm	15-week
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AR205 - Illustration II (3)

Prerequisite: AR 204

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

1155	AR205-1C	MW	12:30pm – 2:30pm	15-week
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AR207 - Introduction to Watercolor I (3)

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

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

1156	AR207-1C	F	9am – 1pm	15-week
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AR210 - Watercolor II (3)

Prerequisite: AR 207

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

1157	AR210-1C	F	9am – 1pm	15-week
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AR213 - Intermediate Sculpture (3)

Prerequisite: AR 203

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

1158	AR213-1C	TH	5:30pm – 9:30pm	15-week
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ASLS: American Sign Language Studies

ASLS100 - ASL Fingerspelling (2)

Prerequisites: ASLS 103 or permission of program manager

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

1160	ASLS100-1	TTH	4pm – 4:50pm	15-week
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ASLS101 - Visual Gestural Communication (3)

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

1161 ASLS101-1 TTH 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.)

1162 ASLS102-1 MW 8am – 9:15am 15-week
 1163 ASLS102-2 MW 9:30am – 10:45am 15-week
 1164 ASLS102-3 MW 11am – 12:15pm 15-week
 1165 ASLS102-4 MW 12:30pm – 1:45pm 15-week
 1183 ASLS102-5 MW 3:30pm – 4:45pm 15-week
 1166 ASLS102-6 TTH 9:30am – 10:45am 15-week
 1167 ASLS102-7 TTH 11am – 12:15pm 15-week
 1168 ASLS102-8 TTH 12:30pm – 1:45pm 15-week
 1169 ASLS102-9 TTH 2pm – 3:15pm 15-week
 1170 ASLS102-10 SAT 9am – 11:45am 14-week
 1171 ASLS102-11 MW 5pm – 6:15pm 15-week
 1172 ASLS102-12 M 7:45pm – 10:20pm 15-week
 1173 ASLS102-13 TH 6pm – 9pm 13-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.

1174 ASLS103-1 MW 2pm – 3:15pm 15-week
 1175 ASLS103-2 MW 3:30pm – 4:45pm 15-week
 1176 ASLS103-3 W 5pm – 7:35pm 15-week

ASLS106 - Introduction to the Deaf Community (3)

Gen Ed Multicultural Perspectives; Cultural Competence

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

1177 ASLS106-1 M 6pm – 8:35pm 15-week
 1178 ASLS106-ONL1 📖 Online Course 15-week

ASLS107 - Introduction to Deaf History (3)

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

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

1184 ASLS107-1 TH 6pm – 8:35pm 15-week
 1182 ASLS107-ONL1 📖 Online Course 15-week

ASLS108 - ASL Number Use (2)

Prerequisite: ASLS 102

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

1179 ASLS108-1 TTH 5pm – 5:50pm 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.

1180 ASLS202-1 T 6pm – 8:35pm 15-week
 1181 ASLS202-2 W 5pm – 7:35pm 15-week

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

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

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

1185 ASLS207-1 W 5pm – 7:35pm 15-week

BI: Biological Science

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

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

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

1728 BI55-1 MW 11am – 12:15pm 15-week
 1729 BI55-2 T 8am – 10:35am 15-week
 1730 BI55-3 TTH 2pm – 3:15pm 15-week
 1731 BI55-4 SAT 9am – 11:45am 14-week
 1732 BI55-5 T 6pm – 8:35pm 15-week
 1733 BI55-6 W 6pm – 8:35pm 15-week

Semester session dates


15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

BI100 - Fundamental Concepts of Biology (4)

Gen Ed Science

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

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.

1734	BI100-1LC	M	9:30am – 12pm	15-week
1735	BI100-11LB	W	9:30am – 12pm	15-week
1736	BI100-2LC	MW	9:30am – 10:45am	15-week
1737	BI100-21LB	W	12:30pm – 3pm	15-week
1738	BI100-3LC	T	8am – 10:35am	15-week
1739	BI100-31LB	TH	8am – 10:30am	15-week
1740	BI100-4LC	T	12:30pm – 3:05pm	15-week
1741	BI100-41LB	TH	12:30pm – 3pm	15-week
1742	BI100-5LC	F	8am – 10:35am	15-week
1743	BI100-51LB	F	11am – 1:30pm	15-week
1744	BI100-6LC	SAT	9am – 11:45am	14-week
1745	BI100-61LB	SAT	12pm – 2:45pm	14-week
1746	BI100-7LC	T	6pm – 8:35pm	15-week
1747	BI100-71LB	TH	6pm – 8:30pm	15-week
1748	BI100-HYBC		Online Course	15-week
1749	BI100-HYBB	M	6pm – 8:30pm	15-week

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

BI101 - General Biology I (4)

Gen Ed Science

Prerequisites: Completion of high school biology strongly recommended, [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1750	BI101-1LC	M	9:30am – 12:05pm	15-week
1751	BI101-11LB	W	9:30am – 12pm	15-week
1752	BI101-2LC	M	12:30pm – 3:05pm	15-week
1753	BI101-21LB	W	12:30pm – 3pm	15-week
1754	BI101-3LC	T	8am – 10:35am	15-week
1755	BI101-31LB	TH	8am – 10:30am	15-week
1756	BI101-4LC	TTH	9:30am – 10:45am	15-week
1757	BI101-41LB	T	11am – 1:30pm	15-week
1758	BI101-42LB	TH	11am – 1:30pm	15-week
1759	BI101-5LC	T	2pm – 4:35pm	15-week
1760	BI101-51LB	TH	2pm – 4:30pm	15-week
1761	BI101-6LC	W	9:30am – 12:05pm	15-week
1762	BI101-61LB	M	9:30am – 12pm	15-week
1763	BI101-7LC	F	8am – 10:35am	15-week
1764	BI101-71LB	F	11am – 1:30pm	15-week
1765	BI101-8LC	SAT	9am – 11:45am	14-week
1766	BI101-81LB	SAT	12pm – 2:45pm	14-week
1767	BI101-9LC	M	6pm – 8:35pm	15-week
1768	BI101-91LB	W	6pm – 8:30pm	15-week

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

BI102 - General Biology 2 (4)

Gen Ed Science

Prerequisite: BI 101

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

1773	BI102-1LC	W	12:30pm – 3:05pm	15-week
1774	BI102-11LB	M	12:30pm – 3pm	15-week

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

BI103 - Anatomy and Physiology (4)

Gen Ed Science

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

1775	BI103-1LC	MW	8am – 9:15am	15-week
1776	BI103-11LB	M	9:30am – 12pm	15-week
1777	BI103-12LB	W	9:30am – 12pm	15-week
1778	BI103-2LC	MW	9:30am – 10:45am	15-week
1779	BI103-21LB	M	12:30pm – 3pm	15-week
1780	BI103-3LC	TTH	8am – 9:15am	15-week
1781	BI103-31LB	T	9:30am – 12pm	15-week
1782	BI103-4LC	TTH	11am – 12:15pm	15-week
1783	BI103-41LB	T	12:30pm – 3pm	15-week
1784	BI103-5LC	F	8am – 10:35am	15-week
1785	BI103-51LB	F	11am – 1:30pm	15-week
1786	BI103-6LC	SAT	9am – 11:45am	14-week
1787	BI103-61LB	SAT	12pm – 2:45pm	14-week
1788	BI103-7LC	M	5pm – 7:35pm	15-week
1789	BI103-71LB	W	5pm – 7:30pm	15-week
1790	BI103-LK1C *	TTH	5pm – 7:35pm	1st 8-week
1791	BI103-LK1B *	TTH	7:45pm – 10:15pm	1st 8-week

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

* BI103-LK1C and BI103-LK1B – Session dates are August 23 through October 11, 2016. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

BI104 - Anatomy and Physiology (4)

Gen Ed Science

Prerequisite: BI 103

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

1796	BI104-1LC	MW	12:30pm – 1:45pm	15-week
1797	BI104-11LB	M	9:30am – 12pm	15-week
1798	BI104-12LB	W	9:30am – 12pm	15-week
1799	BI104-2LC	TH	12:30pm – 3:05pm	15-week
1800	BI104-21LB	T	12:30pm – 3pm	15-week
1801	BI104-3LC	F	8am – 10:35am	15-week
1802	BI104-31LB	F	11am – 1:30pm	15-week
1803	BI104-4LC	SAT	9am – 11:45am	14-week
1804	BI104-41LB	SAT	12pm – 2:45pm	14-week
1805	BI104-5LC	M	5pm – 7:35pm	15-week
1806	BI104-51LB	W	5pm – 7:30pm	15-week
1807	BI104-LK1C *	TTH	5pm – 7:35pm	2nd 8-week
1808	BI104-LK1B *	TTH	7:45pm – 10:15pm	2nd 8-week

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

* BI104-LK1C and BI104-LK1B – Session dates are October 13 through December 8, 2016. Students must register for corresponding BI103 and BI104 linked (LK) sections together. No online registration for these class sections.

BI117 - Study of the Human Body (3)

Gen Ed Science

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

Examines the human body and its relationship 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.

1817	BI117-1	TTH	2pm – 3:15pm	15-week
1818	BI117-2	MW	6pm – 8:35pm	2nd 8-week

BI120 - Microbiology for Allied Health (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), AND (MA 82 or MA 85) AND (BI 55 or BI 101 or BI 103 or CH 101)

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

1819	BI120-1LC	MW	9:30am – 10:45am	15-week
1820	BI120-11LB	MW	11am – 12:15pm	15-week
1821	BI120-2LC	TTH	9:30am – 10:45am	15-week
1822	BI120-21LB	TTH	11am – 12:15pm	15-week
1833	BI120-3LC	F	8:30am – 11:05am	15-week
1834	BI120-31LB	F	11am – 1:30pm	15-week
1823	BI120-4LC	SAT	12pm – 2:45pm	14-week
1824	BI120-41LB	SAT	9am – 11:45am	14-week
1825	BI120-5LC	MW	6:20pm – 7:35pm	15-week
1826	BI120-51LB	MW	5pm – 6:15pm	15-week
1831	BI120-6LC	TTH	6pm – 7:15pm	15-week
1832	BI120-61LB	TTH	7:20pm – 8:35pm	15-week
1829	BI120-HYBC	📖	Online Course	15-week
1830	BI120-HYBB	MW	12:30pm – 1:45pm	15-week

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

BI130 - Forensic Biology (4)

Gen Ed Science

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

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.

1835	BI130-1LC	M	8am – 10:35am	15-week
1836	BI130-11LB	W	8am – 10:30am	15-week
1837	BI130-2LC	T	11am – 1:35pm	15-week
1838	BI130-21LB	TH	11am – 1:30pm	15-week
1839	BI130-ONL1	📖	Online Course	15-week

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

BI140 - Biotechnology and Society (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

Presents an overview of biotechnology and its scientific foundation through introductory investigations of the cell, protein structure and function, genetics 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.

1840	BI140-1	M	12:30pm – 3:05pm	15-week
1841	BI140-ONL1	📖	Online Course	15-week

BI201 - General Ecology (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1842	BI201-1LC	TTH	11am – 12:15pm	15-week
1843	BI201-11LB	T	12:30pm – 3pm	15-week

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

BI202 - Human Ecology (3)

Gen Ed Science

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

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

1844	BI202-1	F	9am – 11:35am	15-week
1845	BI202-2	TTH	5pm – 7:35pm	1st 8-week

BI203 - Elements of Microbiology (4)

Prerequisites: CH 101 and BI 101 or BI 103

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

1846	BI203-1LC	TTH	7:20pm – 8:35pm	15-week
1847	BI203-11LB	TTH	6pm – 7:15pm	15-week
1848	BI203-HYBC	📖	Online Course	15-week
1849	BI203-HYBB	MW	2pm – 3:15pm	15-week

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

BI220 - Cell Biology and Tissue Culture (4)

Prerequisites: BI 101 and CH 101

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

1850	BI220-HYBC	📖	Online Course	15-week
1851	BI220-HYBB	M	6pm – 8:30pm	15-week

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

BLD: Building Trades

BLD101 - Introduction to Building Trades (3)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1553	BLD101-1	T	6pm – 8:30pm	15-week
1552	BLD101-HYB1	W	6pm – 8:30pm	1st 7-week

Note: Class held at FCC's Monroe Center

BLD109 - Fundamentals of HVACR (4)

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

Prerequisites: EN 51 or ESL 97 or ESL 70

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

1554	BLD109-HYB1	MW	9am – 12pm	1st 7-week
1555	BLD109-HYB2	MW	6pm – 9pm	1st 7-week

Note: Class held at FCC's Monroe Center

BLD110 - Controls for HVACR (3)

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

Prerequisite: BLD 109 or permission of program manager

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

1557	BLD110-HYB1	MW	9am – 11:30am	2nd 7-week
1558	BLD110-HYB2	MW	6pm – 8:30pm	2nd 7-week

Note: Class held at FCC's Monroe Center

BLD113 - HVAC Installation & Troubleshooting (3)

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

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

Teaches students basics of troubleshooting, installation, service and preventative maintenance techniques 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.

2472	BLD113-HYB1	TTH	6pm – 8:30pm	1st 7-week
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Note: Class held at FCC's Monroe Center

BLD114 - Fossil Fuels & Hydronic Heating (3)

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

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

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

1559	BLD114-HYB1	TTH	6pm – 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center

BLD120 - Welding Symbols & Blueprint Reading (2)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1560	BLD120-1	MW	5pm – 6pm	15-week
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Note: Class held at FCC's Monroe Center

BLD121 - Introduction to Welding (4)

*** Welding fee per class: \$180**

Prerequisite or Corequisite: BLD 120

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

1561	BLD121-1	MW	9am – 4:30pm	1st 7-week
1562	BLD121-2	MW	6pm – 9pm	15-week

Note: Class held at FCC's Monroe Center

BLD122 - Advanced Welding: SMAW (4)

*** Welding fee per class: \$180**

Prerequisite: BLD 121

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

1563	BLD122-1	MW	9am – 4:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center

BLD125 - Advanced Welding: GTAW (4)

*** Welding fee per class: \$180**

Prerequisite: BLD 121

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

2473	BLD125-1	TTH	6pm – 8:30pm	15-week
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Note: Class held at FCC's Monroe Center

BLD141 - Fundamentals of Structural Wiring (4)

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

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1565	BLD141-HYB1	TTH	6pm – 9pm	1st 7-week
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Note: Class held at FCC's Monroe Center

BLD142 - Residential Electric (3)

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

Prerequisite: BLD 141 or permission of program manager

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

1567	BLD142-HYB1	TTH	6pm – 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center

BLD145 - Commercial Electric (3)

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

Prerequisite: BLD 142 or permission of program manager

Continues 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.

2474	BLD145-HYB1	MW	6pm – 8:30pm	1st 7-week
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Note: Class held at FCC's Monroe Center

BLD146 - Specialized Systems (3)

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

Prerequisite: BLD 141 or permission of program manager

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

1568	BLD146-HYB1	MW	6pm – 8:30pm	2nd 7-week
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Note: Class held at FCC's Monroe Center

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)

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

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

1852 BPM102-ONL1  Online Course 15-week

BPM103 - Laboratory Techniques I (1)

Prerequisites: Completion of high school biology or chemistry is strongly recommended, [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1853 BPM103-1 TTH 10:30am – 1:15pm 1st 7-week

BPM110 - Bioprocessing Measurements (4)

Prerequisite or Corequisite: BPM 103

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

1854 BPM110-HYBC  Online Course 2nd 7-week

1855 BPM110-HYBB TTH 10:30am – 1:15pm 2nd 7-week

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

1856 BPM214-HYBC  Online Course 15-week

1857 BPM214-HYBB W 6pm – 8:30pm 15-week

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

BU: Business Studies

BU103 - Introduction to Business (3)

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

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

1958 BU103-1 MW 9:30am – 10:45am 15-week
1959 BU103-2 MW 11am – 12:15pm 15-week
1960 BU103-3 MW 12:30pm – 1:45pm 15-week
1961 BU103-4 TTH 9:30am – 10:45am 15-week
1962 BU103-5 TTH 11am – 12:15pm 15-week
1963 BU103-6 TTH 12:30pm – 1:45pm 15-week
1964 BU103-7 TTH 2pm – 3:15pm 15-week
1965 BU103-HYB1 F 9:30am – 12:05pm 2nd 7-week
1967 BU103-HYB2 T 6pm – 8:35pm 2nd 7-week
1968 BU103-HYB3 W 6pm – 8:35pm 1st 7-week
1969 BU103-ONL1  Online Course 15-week
1970 BU103-ONL2  Online Course 1st 7-week
1971 BU103-ONL3  Online Course 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.

1972 BU109-HYB1 T 6pm – 8:35pm 1st 7-week
1973 BU109-HYB2 T 6pm – 8:35pm 2nd 7-week

BU110 - Personal Financial Management (3)

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

1974 BU110-ONL1  Online Course 15-week

BU211 - Business Law I (3)

Prerequisite: EN 101

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

1975 BU211-1 MW 2pm – 3:15pm 15-week
1976 BU211-HYB1 TH 6pm – 8:35pm 1st 7-week
1977 BU211-ONL1  Online Course 15-week

BU221 - Public Relations (3)

Prerequisites: [(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.

1978 BU221-ONL1  Online Course 15-week

BU223 - Human Resource Management (3)

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

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

1979 BU223-ONL1  Online Course 15-week

BU225 - Marketing (3)

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

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

1980 BU225-1 MW 11am – 12:15pm 15-week
1981 BU225-HYB1 W 6pm – 8:35pm 2nd 7-week
1982 BU225-ONL1  Online Course 15-week

BU227 - Principles of Management (3)

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

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

1983 BU227-HYB1 M 6pm – 8:35pm 1st 7-week
1984 BU227-ONL1  Online Course 15-week

BU272 - Supervisory Management (3)

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

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

1985 BU272-ONL1  Online Course 15-week

BU273 - Business Communications (3)

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

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

1986 BU273-1 TTH 11am – 12:15pm 15-week

1987 BU273-ONL1  Online Course 15-week

BU274 - Customer Relations (3)

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

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

1989 BU274-ONL1  Online Course 15-week


BU281 - Global Awareness in the Work Environment (3)

Gen Ed Multicultural Perspectives; Cultural Competence

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

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

1990 BU281-1 TTH 12:30pm – 1:45pm 15-week

1991 BU281-ONL1  Online Course 15-week

Business Notes:

BU 213—Principles of Finance offered fall semester evening hybrid only.

BU 223—Human Resource Management offered fall semester online only.

BU 275—Principles of Leadership offered spring semester online only

BU/MA: Business/Mathematics

BU/MA205 - Business Statistics with Algebra(3) [5]

Gen Ed Math


BU/MA 205 Prerequisites: (A grade of C or better in MA 82 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or MA 207A) and (CIS 101 or CIS 111E or CIS 116E), and placement in EN 51 or ESL 70 or higher on the reading placement test

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

1488 BU/MA205-1 TTH 9:30am – 10:45am 15-week

1491 BU/MA205-2 M 6pm – 8:35pm 15-week

2461 BU/MA205-ONL1  Online Course 15-week

2462 BU/MA205-ONL2  Online Course 15-week

2463 BU/MA205-ONL3  Online Course 15-week

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1994 CAD101-1 TH 5pm – 7:35pm 15-week

1993 CAD101-HYB1 M 5pm – 7:35pm 1st 7-week

CAD102 - Introduction to AutoCAD II (3)

Prerequisite: CAD 101

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

1995 CAD102-1 T 5pm – 7:35pm 15-week

2484 CAD102-HYB1 M 5pm – 7:35pm 2nd 7-week

CAD130 - Introduction to Revit (BIM) (3)

Prerequisite: EN 51 or ESL 97 or ESL 70

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

1996 CAD130-HYB1 TH 5pm – 7:35pm 1st 7-week

CAD200 - Introduction to Architectural Drawing and Design (3)

Prerequisite: CAD 101

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

1997 CAD200-1 TH 5pm – 7:35pm 2nd 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.

1998 CAD202-1 W 5pm – 8:45pm 15-week

CAD204 - Introduction to Inventor (3)

Prerequisite: CAD 102

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

1999 CAD204-HYB1 W 5pm – 7:35pm 2nd 7-week

Computer Aided Design Notes:

CAD200—Introduction to Architectural Drawing and Design offered fall semester.

CAD201—Residential Architecture I offered spring semester.

CAD202—Residential Architecture II offered fall semester.

CAD205—Civil Drafting with CAD offered spring semester.

CAD207—Civil Drafting II with CAD offered fall semester.

CH: Chemistry

CH100 - Chemistry and Society (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85
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.

1858	CH100-1LC	TH	8am – 10:35am	15-week
1859	CH100-11LB	T	8am – 10:30am	15-week

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

CH101 - General Chemistry (4)

Gen Ed Science

Prerequisites: Completion of high school chemistry strongly recommended, [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1860	CH101-1LC	MW	9:30am – 10:45am	15-week
1861	CH101-11LB	M	11am – 1:30pm	15-week
1862	CH101-2LC	MW	11am – 12:15pm	15-week
1863	CH101-21LB	M	8am – 10:30am	15-week
1864	CH101-3LC	MW	11am – 12:15pm	15-week
1865	CH101-31LB	W	8am – 10:30am	15-week
1866	CH101-4LC	MW	12:30pm – 1:45pm	15-week
1867	CH101-41LB	W	2pm – 4:30pm	15-week
1868	CH101-5LC	TTH	9:30am – 10:45am	15-week
1869	CH101-51LB	TH	11am – 1:30pm	15-week
1870	CH101-6LC	TTH	11am – 12:15pm	15-week
1871	CH101-61LB	TH	8am – 10:30am	15-week
1872	CH101-7LC	TTH	12:30pm – 1:45pm	15-week
1873	CH101-71LB	T	2pm – 4:30pm	15-week
1874	CH101-8LC	TTH	2pm – 3:15pm	15-week
1875	CH101-81LB	T	11am – 1:30pm	15-week
1876	CH101-9LC	F	8am – 10:35am	15-week
1877	CH101-91LB	F	11am – 1:30pm	15-week
1878	CH101-10LC	SAT	9am – 11:45am	14-week
1879	CH101-10LB	SAT	12pm – 2:45pm	14-week
1880	CH101-11LC	TH	6pm – 8:35pm	15-week
1881	CH101-111B	T	6pm – 8:30pm	15-week
1882	CH101-HYBC		Online Course	15-week
1883	CH101-HYBB	M	5pm – 7:30pm	15-week
1884	CH101-ONL1		Online Course	15-week

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

CH102 - General Chemistry (4)

Gen Ed Science

Prerequisite: CH 101

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

1885	CH102-1LC	MW	12:30pm – 1:45pm	15-week
1886	CH102-11LB	W	9:30am – 12pm	15-week
1887	CH102-2LC	TTH	9:30am – 10:45am	15-week
1888	CH102-21LB	T	11am – 1:30pm	15-week
1891	CH102-3LC	F	8am – 10:35am	15-week
1892	CH102-31LB	F	11am – 1:30pm	15-week
1889	CH102-4LC	T	6pm – 8:35pm	15-week
1890	CH102-41LB	TH	6pm – 8:30pm	15-week

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

1893	CH201-1LC	TTH	12:30pm – 1:45pm	15-week
1894	CH201-11LB	T	2pm – 4:55pm	15-week
1895	CH201-2LC	W	5pm – 7:35pm	15-week
1896	CH201-21LB	M	5pm – 7:55pm	15-week

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

1897	CH202-1LC	TTH	11am – 12:15pm	15-week
1898	CH202-11LB	TH	2pm – 4:55pm	15-week

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

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)

Gen Ed Computer Literacy

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

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

2001	CIS101-1	MW	8am – 9:15am	15-week
2002	CIS101-2	MW	8am – 9:15am	15-week
2003	CIS101-3	MW	9:30am – 10:45am	15-week
2004	CIS101-4	MW	9:30am – 10:45am	15-week
2005	CIS101-5	MW	11am – 12:15pm	15-week
2006	CIS101-6	MW	11am – 12:15pm	15-week
2007	CIS101-7	MW	12:30pm – 1:45pm	15-week
2008	CIS101-8	MW	12:30pm – 1:45pm	15-week
2009	CIS101-9	MW	2pm – 3:15pm	15-week
2010	CIS101-10	TTH	8am – 9:15am	15-week
2011	CIS101-11	TTH	8am – 9:15am	15-week
2012	CIS101-12	TTH	9:30am – 10:45am	15-week
2013	CIS101-13	TTH	9:30am – 10:45am	15-week
2014	CIS101-14	TTH	11am – 12:15pm	15-week
2015	CIS101-15	TTH	12:30pm – 1:45pm	15-week
2016	CIS101-16	TTH	12:30pm – 1:45pm	15-week
2017	CIS101-17	TTH	2pm – 3:15pm	15-week
2018	CIS101-18	TTH	3:30pm – 4:45pm	15-week
2019	CIS101-19	W	5pm – 7:30pm	15-week
2021	CIS101-HYB1	F	12pm – 2pm	10-week
2023	CIS101-HYB2	M	5pm – 7:30pm	2nd 7-week
2022	CIS101-HYB3	M	7:45pm – 9:15pm	15-week
2024	CIS101-HYB4	W	7:45pm – 9:15pm	10-week
2025	CIS101-ONL1		Online Course	15-week
2026	CIS101-ONL2		Online Course	15-week
2027	CIS101-ONL3		Online Course	13-week
2028	CIS101-ONL4		Online Course	10-week
2029	CIS101-ONL5		Online Course	2nd 7-week

CIS103A - Introductory Keyboarding (3)

Develops typewriting skills and techniques. Covers basic procedures such as typing personal and business letters, envelopes, centering, tabulation and manuscripts. Goal is at least 30 words per minute. Course may be waived upon examination.

2030 CIS103A-HYB1 MW 2pm – 3:15pm 10-week

CIS106 - Object Design and Programming (3)

Gen Ed Computer Literacy

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 81

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.

2416 CIS106-1 MW 8am – 9:15am 15-week
2031 CIS106-2 MW 9:30am – 10:45am 15-week
2032 CIS106-3 MW 11am – 12:15pm 15-week
2033 CIS106-4 MW 12:30pm – 1:45pm 15-week
2034 CIS106-5 TTH 9:30am – 10:45am 15-week
2035 CIS106-6 TTH 11am – 12:15pm 15-week
2036 CIS106-7 TTH 12:30pm – 1:45pm 15-week
2037 CIS106-8 TTH 2pm – 3:15pm 15-week
2038 CIS106-HYB1 M 6:30pm – 9pm 10-week
2039 CIS106-HYB2 T 5pm – 6:30pm 15-week
2040 CIS106-HYB3 W 6:30pm – 9pm 10-week
2041 CIS106-HYB4 TH 5pm – 6:30pm 15-week

CIS111A - Microcomputer Software Applications: Word Processing (3)

Prerequisites or Corequisites: CIS 101 or CIS 106 or CIS 116D

Covers the basic, intermediate and advanced features of word processing. Students create, edit, format and save personal and business documents. Along with data integration, special features such as mail merge, sorting, styles, columns, footnotes, outlines, table of contents, indexes, and templates are presented.

2042 CIS111A-ONL1  Online Course 10-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)

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

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

2044 CIS111E-HYB1 MW 12:30pm – 1:45pm 2nd 7-week
2045 CIS111E-HYB2 TH 6:30pm – 9pm 2nd 7-week
2046 CIS111E-ONL1  Online Course 13-week

CIS111J - Microcomputer Software Applications: Web Page Development (3)

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

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

2417 CIS111J-HYB1 T 7:15pm – 9:15pm 10-week

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

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

2476 CIS111K-HYB1 M 7:45pm – 9pm 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.

2047 CIS111L-HYB1 W 5pm – 6:15pm 15-week
2418 CIS111L-ONL1  Online Course 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.

2048 CIS111M-HYL1 M 2:15pm – 3:30pm 15-week
2049 CIS111M-HYL2 T 6:30pm – 7:45pm 15-week
2050 CIS111M-HYL3 W 3:15pm – 4:30pm 15-week
2477 CIS111M-HYL4 W 6pm – 7:15pm 15-week
2051 CIS111M-HYL5 TH 6:30pm – 7:45pm 15-week
2052 CIS111M-ONLK  Online Course 2nd 7-week

Note: Students registering for CIS111M must also register for the corresponding CIS212 section.

CIS111R - Business Software Applications (3)

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

2053 CIS111R-ONL1  Online Course 10-week

CIS116C - Microcomputer Software Applications: Presentation Graphics (1)

Introduces the basic principles and terminology of presentation graphics software. Topics covered include but are not limited to creating slides, using charts and graphics, customizing information and controlling the design of an electronic presentation. Teaches how to make transparencies, 35mm slides and handout notes for a slide show.

2054 CIS116C-ONL1  Online Course 10-week

CIS116E - MS Applications Spreadsheets (1)

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

2420 CIS116E-1 MW 12:30pm – 1:45pm 1st 5-week
2056 CIS116E-ONL1  Online Course 3rd 5-week

CIS116F - Microcomputer Software Applications: Computer Fundamentals (1)

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

2421	CIS116F-HYB1	W	2pm – 3:15pm	2nd 5-week
2057	CIS116F-HYB2	TH	5pm – 6:15pm	1st 5-week
2058	CIS116F-ONL1	📱	Online Course	2nd 5-week

CIS140 - Java Programming (3)

Prerequisite: CIS 106

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

2060	CIS140-HYB1	TH	6:45pm – 9pm	13-week
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CIS170 - Security Fundamentals (3)

Prerequisite or Corequisite: CIS 180 or CIS 190

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

2061	CIS170-HYB1	W	9:30am – 11:55am	2nd 7-week
2062	CIS170-HYB2	T	6:30pm – 9pm	2nd 7-week
2063	CIS170-ONL1	📱	Online Course	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.

2064	CIS173-ONL1	📱	Online Course	2nd 7-week
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CIS175 - Game Theory and Design (3)

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

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

2065	CIS175-HYB1	T	5pm – 7pm	10-week
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CIS176 - Game Creation (3)

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

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

2066	CIS176-HYB1	T	7:15pm – 9:15pm	10-week
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CIS177 - Interactive 3D Technology (3)

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

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

2067	CIS177-HYB1	M	5pm – 7:15pm	1st 7-week
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CIS178 - 3D Modeling and Animation (3)

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

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

2068	CIS178-HYB1	M	5pm – 7:15pm	2nd 7-week
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CIS179 - Cybersecurity Fundamentals (3)

Prerequisite or Corequisite: CIS 106

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

2422	CIS179-HYB1	W	12:30pm – 1:45pm	15-week
2069	CIS179-HYB2	M	5pm – 6:15pm	15-week
2070	CIS179-ONL1	📱	Online Course	2nd 7-week

CIS180 - Networking Fundamentals (3)

Prerequisite: CIS 106 or CIS 111M

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

2071	CIS180-HYB1	W	9:30am – 11:55am	1st 7-week
2072	CIS180-HYB2	T	6:30pm – 9pm	1st 7-week
2073	CIS180-ONL1	📱	Online Course	1st 7-week

CIS190 - Cisco 1 Network Fundamentals (3)

Prerequisite or Corequisite: CIS 106 or CIS 212

Covers working fundamentals, Open Systems Interconnection (OSI) work reference model, and Transmission Control Protocol/Inter Protocol (TCP/IP). Topics include work topologies, protocols, IP addressing, sub masks, and Ether. Students will also learn the basic work design and cable installation.

2074	CIS190-ONL1	📱	Online Course	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.

2075	CIS191-ONL1	📱	Online Course	2nd 7-week
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CIS192 - Cisco 3 Switching Technologies (3)

Prerequisite or Corequisite: CIS 191

Surveys switching protocols, Local Area works (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 works.

2076	CIS192-HYB1	M	5pm – 7:30pm	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 works (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.

2077	CIS193-HYB1	M	5pm – 7:30pm	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.

2423 CIS200-ONL1  Online Course 2nd 7-week

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.

2078 CIS201-HYB1 TTH 11am – 12:15pm 15-week
2079 CIS201-HYB2 T 6:45pm – 9pm 15-week

CIS202 - Computer Science II (4)

Prerequisite: Minimum grade of C in CIS 201

Emphasizes algorithms, data structures, and object-oriented software engineering. Introduces algorithmic analysis including asymptotic notation, empirical performance measurements, and time/space tradeoffs. Covers fundamental computing algorithms including sorting, searching, and manipulating dynamic data structures, such as lists, stacks, queues, trees, graphs and hash tables. Investigates recursion including applications to algorithms and data structures. Integrates further software engineering concepts including data abstraction and participation in team programming projects. Projects will be completed using a language that supports the object-oriented paradigm (Java).

2080 CIS202-HYB1 W 5pm – 7pm 15-week

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.

2081 CIS203-HYB1 W 2pm – 3:15pm 15-week
2424 CIS203-ONL1  Online Course 13-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.

2083 CIS204-ONL1  Online Course 13-week

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.

2084 CIS208-HYB1 TH 5pm – 7pm 13-week

CIS210 - Data Communications and working (3)

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


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

2085 CIS210-HYB1 TH 6:30pm – 9pm 1st 7-week

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.

2086 CIS212-HYL1 M 3:30pm – 4:45pm 15-week
2087 CIS212-HYL2 T 7:45pm – 9pm 15-week
2088 CIS212-HYL3 W 4:30pm – 5:45pm 15-week
2478 CIS212-HYL4 W 7:15pm – 8:30pm 15-week
2089 CIS212-HYL5 TH 7:45pm – 9pm 15-week
2090 CIS212-ONLK  Online Course 1st 7-week

Note: Students registering for CIS212 must also register for the corresponding CIS111M section.

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.

2092 CIS217-HYB1 TH 5pm – 6:30pm 15-week
2091 CIS217-ONL1  Online Course 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.

2094 CIS218-HYB1 TH 5pm – 7:30pm 2nd 7-week
2095 CIS218-ONL1  Online Course 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.

2096 CIS219-HYB1 W 6:30pm – 7:45pm 15-week
2097 CIS219-HYB2  Online Course 10-week

CIS222 - Computer Organization (4)

Prerequisite: CIS 106

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

2098 CIS222-HYB1 W 7:15pm – 8:30pm 10-week

CIS223 - Cloud Security (3)

Prerequisite or Corequisite: CIS 180 or CIS 190

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

2099	CIS223-HYB1	W	8pm – 9:15pm	15-week
2425	CIS223-HYB2	📖	Online Course	10-week

CIS224 - Wireless Communications (3)

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

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

2100	CIS224-HYB1	TH	6:30pm – 9pm	2nd 7-week
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CIS225A - Computer Programming Language: PHP (3)

Prerequisite: CIS 106

Introduces programming using PHP.

2101	CIS225A-HYB1	TH	7:15pm – 9:15pm	10-week
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CIS225C - Computer Programming Language: Mobile Applet Programming (3)

Prerequisite: CIS 106

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

2426	CIS225C-HYB1	M	5pm – 6:15pm	10-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.

2103	CIS227-HYB1	W	5pm – 7pm	10-week
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CIS230 - Database Management Systems (3)

Prerequisite: CIS 106

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

2479	CIS230-HYB1	T	5pm – 7pm	10-week
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Computer Science Notes:

For advising, contact CIS program manager at ayao@frederick.edu.

CIS 101—For a complete list of technical requirements, contact CIS 101 Coordinator at jhatch@frederick.edu.

CIS 103B—Executive Keyboarding offered spring semester only.

CIS 111M—Personal Computer Operating Systems Concepts—It is recommended that students have a basic understanding of Windows operating system before enrolling in this course. Students should register for CIS 111M and CIS 212 during the same semester—classes meet alternate Tuesdays.

CIS 190—Cisco Internetworking 1 offered fall semester only.

CIS 191—Cisco Internetworking 2 offered fall semester only.

CIS 192—Cisco Internetworking 3 offered spring semester only.

CIS 193—Cisco Internetworking 4 offered spring semester only.

CIS 204—Computer & Information Sciences Project limited enrollment.

CIS 212—PC Repair & Diagnostics - Students should register for CIS212 and CIS111M during the same semester - classes meet alternate Tuesdays.

CIS 230—Database Management Systems offered spring semester only.

CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2167	CJ101-1	MW	2pm – 3:15pm	15-week
2169	CJ101-2	T	6pm – 8:35pm	15-week
2170	CJ101-ONL1	📖	Online Course	13-week

CJ110 - Criminal Law (3)

Prerequisite: EN 101

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

2172	CJ110-1	TTH	9:30am – 11:05am	13-week
2173	CJ110-2	TH	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.

2180	CJ204-1	MW	2pm – 3:15pm	15-week
2176	CJ204-ONL1	📖	Online Course	13-week

CJ209 - Introduction to Criminal Investigations (3)

Prerequisites: CJ 101

Introduces modern methods used in detection, investigation, and solution of crimes. Students will be taught basic investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques.

2471	CJ209-EX1	F	11am-1:30p.m.	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.

2178	CJ214-1	MW	12:30pm – 1:45pm	15-week
2429	CJ214-ONL1	📖	Online Course	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.

2181	CJ220-1	MW	3:30pm – 4:45pm	15-week
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Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1



CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)

Gen Ed Arts

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

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

1186	CMM101-1	MW	8am – 9:15am	15-week
1187	CMM101-2	MW	2pm – 3:15pm	15-week
1188	CMM101-ONL1		Online Course	15-week
1189	CMM101-ONL2		Online Course	2nd 8-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.

1191	CMM103-1	M	1pm – 3:30pm	15-week
1192	CMM103-2	T	6pm – 8:35pm	15-week
1193	CMM103-3	TH	6pm – 8:35pm	15-week
1194	CMM103-ONL1		Online Course	15-week
1195	CMM103-ONL2		Online Course	2nd 8-week

CMM105 - Basic Darkroom to Digital Photography (3)

Gen Ed Arts

Prerequisites: EN 52 or ESL 99 or ESL 72

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

1196	CMM105-1	T	9:30am – 12pm	15-week
1197	CMM105-2	T	12:30pm – 3pm	15-week
1198	CMM105-3	W	3:30pm – 6pm	15-week
1199	CMM105-4	TH	11am – 3:40pm	2nd 8-week

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.

1200	CMM111-1	MW	9:30am – 10:45am	15-week
1201	CMM111-2	MW	11am – 12:15pm	15-week
1202	CMM111-3	MW	12:30pm – 1:45pm	15-week
1203	CMM111-4	MW	3:30pm – 6:10pm	1st 7-week
1204	CMM111-5	TTH	6pm – 8:50pm	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.

1205	CMM112-1	MW	3:30pm – 5:50pm	2nd 8-week
1225	CMM112-2	TTH	11am – 12:15pm	15-week

CMM114 - Web Design I (3)

Prerequisite: CMM 111 or CMM 132

Presents beginning level design for the Inter. 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.

1206	CMM114-1	SAT	1pm – 4:40pm	2nd 8-week
1207	CMM114-2	W	6:30pm – 9:05pm	15-week

CMM115 - Professional and Transfer Portfolio (1)

Prerequisite: CMM 112 or CMM 212

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

1208	CMM115-1	TTH	2pm – 3:15pm	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.

1209	CMM131-1LC	W	12:30pm – 3pm	15-week
1210	CMM131-1LB	M	12:30pm – 3pm	15-week
1226	CMM131-2LC	M	9:30am – 12pm	15-week
1227	CMM131-2LB	W	9:30am – 12pm	15-week

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

CMM132 - Digital Photography I (3)

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

1211	CMM132-1	TTH	3:30pm – 4:45pm	15-week
1212	CMM132-2	FSAT	10am – 12:50pm	2nd 8-week

CMM152 - Digital Studio Production (4)

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

1213	CMM152-1C	MW	9am – 10:40am	15-week
1214	CMM152-2C	MW	1pm – 2:40pm	15-week
1215	CMM152-3C	TTH	9am – 10:40am	15-week
1216	CMM152-4C	TTH	6pm – 7:40pm	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.

1217	CMM212-1	TTH	12:30pm – 1:45pm	15-week
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CMM252 - Digital Film Production (4)

Prerequisite: CMM 152

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

1218	CMM252-1C	MW	9am – 10:40am	15-week
1219	CMM252-2C	MW	1pm – 2:40pm	15-week
1220	CMM252-3C	TTH	9am – 10:40am	15-week

CMM254 - Principles of Film and Video Editing (4)

Prerequisite: CMM 152 or CMM 252

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

1221	CMM254-1C	TTH	1pm – 2:40pm	15-week
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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.

1222	CMM256-1	TTH	3:15pm – 4:45pm	15-week
1223	CMM256-2C	TTH	6pm – 7:40pm	15-week

CMM261 - Digital Post Production (4)

Prerequisite: CMM 254

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

1224	CMM261-1C	TTH	1pm – 2:40pm	15-week
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CMSP: Communications Speech

CMSP101 - Introduction to Communication Studies (3)

Gen Ed Communications

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

Introduces students to the 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.

2448	CMSP101-1	MW	12:30pm – 1:45pm	15-week
1267	CMSP101-2	TTH	9:30am – 10:45am	15-week

CMSP103 - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 52 or ESL 99 or ESL 72

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

1229	CMSP103-1	MW	8am – 9:15am	15-week
1230	CMSP103-2	MW	9:30am – 10:45am	15-week
1231	CMSP103-3	MW	11am – 12:15pm	15-week
1232	CMSP103-4	MW	2pm – 3:15pm	15-week
1233	CMSP103-5	TTH	8am – 9:15am	15-week
1234	CMSP103-6	TTH	9:30am – 10:45am	15-week
1235	CMSP103-7	TTH	12:30pm – 1:45pm	15-week
1236	CMSP103-8	TTH	2pm – 3:15pm	15-week
1237	CMSP103-9	TTH	3:30pm – 5pm	13-week
1238	CMSP103-10	F	11am – 1:45pm	15-week
1239	CMSP103-11	M	5pm – 7:35pm	15-week
1240	CMSP103-12	T	6pm – 8:35pm	15-week
1241	CMSP103-ONL1*		SAT/Online Course	15-week

*Note: Four mandatory on-campus meetings: Saturday, TBD

1268	CMSP103-CHS**	TTH	12:50pm – 2:20pm	15-week
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**Note: open to Catoclin High School students only

CMSP103H - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 52 or ESL 99 or ESL 72

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

1242	CMSP103H-1	TTH	11am – 12:15pm	15-week
1244	CMSP103H-2	T	5pm – 7:35pm	15-week

CMSP105 - Small Group Communication (3)

Gen Ed Communications; Cultural Competence

Prerequisite: EN 52 or ESL 99 or ESL 72

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

1245	CMSP105-1	MW	9:30am – 10:45am	15-week
1246	CMSP105-2	MW	11am – 12:15pm	15-week
1247	CMSP105-3	MW	11am – 12:15pm	15-week
1248	CMSP105-4	MW	12:30pm – 1:45pm	15-week
1249	CMSP105-5	MW	2pm – 3:15pm	15-week
1250	CMSP105-6	MW	3:30pm – 4:45pm	15-week
1251	CMSP105-7	TTH	8am – 10:20am	2nd 8-week
1253	CMSP105-8	TTH	9:30am – 10:45am	15-week
2395	CMSP105-9	TTH	11am – 12:15pm	15-week
1255	CMSP105-10	TTH	12:30pm – 1:45pm	15-week
1256	CMSP105-11	TTH	2pm – 3:15pm	15-week
1257	CMSP105-12	TTH	3:30pm – 4:45pm	15-week
1254	CMSP105-13	TH	11am – 2pm	13-week
1258	CMSP105-14	F	11am – 2pm	13-week
1259	CMSP105-15	M	6pm – 8:35pm	15-week
1262	CMSP105-16	TH	5pm – 7:35pm	15-week
1263	CMSP105-20	TTH	6pm – 8:35pm	2nd 8-week
2396	CMSP105-HYB1	TH	12:30pm – 3pm	15-week

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

CMSP107 - Career Communication (3)

Gen Ed Communications

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

Offers students knowledge and skills needed to communicate within their prospective professions and with others outside those professions. Assignments in interview, group discussion and extemporaneous speaking are adapted to individual students.

1264	CMSP107-1	MW	9:30am – 10:45am	15-week
1265	CMSP107-2	M	6pm – 8:35pm	15-week
1266	CMSP107-ONL1		Online Course	15-week

Note: Mandatory on-campus session: TBD, 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.

2397	CMSP201-1	TTH	11am – 12:15pm	15-week
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CON: Construction Management

CON101 - Introduction to Construction Management (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2105	CON101-ONL1		Online Course	15-week
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CON132 - Materials and Methods of Construction I (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

Provides the construction manager with a fundamental understanding of construction materials and methods of construction. Emphasis of the course is on properties of materials, engineering methods, construction methods, testing methods, and related building codes. Part one of two courses, this course focuses on soil, earthwork, foundations, paving, concrete, masonry, thermal products, and roofing.

2106	CON132-1	T	5pm – 7:35pm	15-week
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CON200 - Construction Surveying (3)

Prerequisites: CON 140 or CAD 101, and MA 81

Introduces basic principles and concepts of surveying with an emphasis on building construction applications.

2107	CON200-1M	M	5pm – 7:35pm	15-week
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CON203 - Principles of Site Management (3)

Prerequisites or Corequisites: CON 101 or BLD101; and CON 133

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.

2108	CON203-1	TH	5pm – 7:35pm	15-week
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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.

2109	CON204-1	W	5pm – 7:35pm	15-week
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CON210 - BIM & Construction (3)

Introduces Building Information Modeling (BIM) programming into the Construction Management environment. Utilizing text and mock construction scenarios, the student will learn and experience how to utilize BIM technology to aide in the construction and maintenance of facilities.

2111	CON210-1	T	5pm – 7:35pm	15-week
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Construction Management Notes:

CON131—Construction Law offered spring semester only.

CON132—Materials & Methods of Construction I offered fall semester only.

CON133—Materials and Methods of Construction II offered spring semester only.

CON140—Architectural Blueprint Reading offered spring semester only.

CON171—Green Building (LEED) offered spring semester.

CON200—Construction Survey offered fall semester only.

CON202—Mechanical and Electrical Systems offered spring semester.

CON203—Principles in Site Management offered fall semester only.

CON204—Construction Cost Estimating offered fall semester only.

CON205—Construction Accounting and Financial Management offered fall semester.

CON206—Construction Project Scheduling offered spring semester only.

CON210—BIM and Construction Management offered fall semester only.


EC: Economics

EC201 - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2112	EC201-1	MW	9:30am – 10:45am	15-week
2113	EC201-2	MW	2pm – 3:15pm	15-week
2114	EC201-3	TTH	8am – 9:15am	15-week
2115	EC201-4	TTH	9:30am – 10:45am	15-week
2116	EC201-5	TTH	11am – 12:15pm	15-week
2117	EC201-HYB1	SAT	9am – 11:35am	2nd 7-week S
2118	EC201-HYB2	M	6pm – 8:35pm	1st 7-week
2119	EC201-HYB3	T	6pm – 8:35pm	2nd 7-week
2120	EC201-ONL1		Online Course	15-week

EC201H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 52 or ESL 99 or ESL 72

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


2121	EC201H-1	TTH	12:30pm – 1:45pm	15-week
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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.

2122	EC202-1	MW	9:30am – 10:45am	15-week
2123	EC202-2	TTH	8am – 9:15am	15-week
2124	EC202-HYB1	M	6pm – 8:35pm	2nd 7-week
2125	EC202-ONL1		Online Course	15-week

ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)

Prerequisites: EN 52 or ESL 99 or ESL 72

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.

2192	ECD101-1	TTH	9:30am – 10:45am	15-week
2193	ECD101-ONL1		Online Course	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.

2195	ECD104-1	MW	11am – 12:15pm	15-week
2196	ECD104-HYB1	M	6pm – 8:30pm	2nd 7-week

ECD106 - Infants & Toddlers Development and Care (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2197	ECD106-HYB1	W	6pm – 8:30pm	1st 7-week
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ECD107 - Child Health, Safety and Nutrition (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2201	ECD107-ONL1		Online Course	15-week
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ECD108 - Activities for the School-Age Child (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2203	ECD108-HYB1	M	6pm – 8:30pm	1st 7-week
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ECD210 - Directed Practicum in Early Childhood (3)

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

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

2198	ECD210-1	T	9am – 1pm	15-week
2204	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.

2199	ECD212-HYB1	SAT	9am – 1:15pm	2nd 7-week
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ED: Education

ED100 - Child Development & Behavior (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2205	ED100-1	MW	9:30am – 11am	15-week
2220	ED100-ONL1		Online Course	15-week

ED102 - Schools and Society (3)

Gen Ed Education

Prerequisites: ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73). It is strongly recommended that students pass this course prior to ED 202 and ED 203, if applicable.

Examines the historical, philosophical, and social development of American education. Students will learn methods, concepts, and principles of education. They analyze and reflect on the processes of teaching and learning. They explore the interrelationships of education, social institutions, and pluralistic culture. Students will also reflect on ways that values, skills, and experience shape and are shaped by schooling and society. Observations, teaching, and a portfolio are required. Fifteen hours of documented observation are required.

2208	ED102-1	MW	11am – 12:15pm	15-week
2207	ED102-2	TTH	9:30am – 10:45am	15-week
2209	ED102-3	T	5pm – 7:35pm	15-week
2210	ED102-ONL1		Online Course	15-week

ED202 - Educational Psychology (3)

Prerequisites: EN 50A or EN 61 or ESL 95 or ESL 73, and PS 101. It is strongly recommended that students pass ED 102, if applicable, prior to taking this course.

Introduces the nature and theories of learning processes. Focuses on classroom interaction and its influence upon the learning process and the growth and development of the child. (This course satisfies the Maryland State Department of Education professional education course work in human learning.) Fifteen hours of documented observation are required.

2212	ED202-1	TTH	11am – 12:15pm	15-week
2213	ED202-ONL1		Online Course	15-week

ED203 - Foundations of Special Education (3)

Cultural Competence

Prerequisites: ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73). It is strongly recommended that students pass ED 102 or ECD 101, if applicable, prior to taking this course.

Provides an overview of critical issues and strategies related to educating students who have been identified as exceptional. The course content focuses on historical and legal foundations of special education, inclusive education, developmental characteristics of exceptional students, and strategies for accommodating students. (This course satisfies the Maryland State Department of Education professional education course work in inclusion of special populations.) Fifteen hours of documented observation are required.

2214	ED203-1	MW	9:30am – 10:45am	15-week
2215	ED203-ONL1		Online Course	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.

2217	ED214-1	MW	11am – 12:15pm	15-week
2218	ED214-ONL1		Online Course	15-week

ED/PS: Education/Psychology

ED/PS208 - Human Growth and Development (3)

Gen Ed Education

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

Presents central concepts related to parameters of human development through the life span. Includes physical, social, emotional and mental development at the various stages of life. Considers the influence of culture as well as individual differences.

2224	ED/PS208-1	MW	8am – 9:15am	15-week
2225	ED/PS208-2	MW	11am – 12:15pm	15-week
2226	ED/PS208-3	MW	12:30pm – 1:45pm	15-week
2235	ED/PS208-4	MW	2pm – 4:20pm	2nd 8-week
2227	ED/PS208-5	TTH	9:30am – 10:45am	15-week
2228	ED/PS208-6	TTH	11am – 12:15pm	15-week
2236	ED/PS208-7	TTH	12:30pm – 1:45pm	15-week
2229	ED/PS208-8	W	6pm – 8:35pm	15-week
2230	ED/PS208-ONL1		Online Course	15-week
2231	ED/PS208-ONL2		Online Course	15-week
2233	ED/PS208-ONL3		Online Course	2nd 8-week
2237	ED/PS208-ONL4		Online Course	2nd 8-week

EG: Drafting Technology & Engineering

EG100 - Introductory Engineering Science (3)

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 111

Develops basic concepts of engineering approaches to problem solving and the skills for the design and timely fabrication of the designed product.

1899	EG100-1	M	2pm – 4:35pm	15-week
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EG110 - Engineering Statics (3)

Prerequisite: MA 210

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

1900	EG110-1	MW	12:30pm – 1:45pm	15-week
1901	EG110-2	M	7:45pm – 10:20pm	15-week

EM: Emergency Management

EM120 - Homeland Security (3)

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

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

2376	EM120-ONL1		Online Course	2nd 8-week
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EN: English

EN50 - Writing Skills I (0) [4]

Prerequisite: Placement in EN 51 or higher on reading placement exam

Develops basic writing skills. Emphasizes writing correct sentences and effective paragraphs. Includes English usage, punctuation and spelling. Placement based on the writing placement exam.

1569	EN50-1	TTH	9am – 10:45am	15-week
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EN51 - Effective College Reading I (0) [4]

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

1570	EN51-1	TTH	9am – 10:45am	15-week
1571	EN51-2	TTH	1pm – 2:45pm	15-week
1572	EN51-3	T	5pm – 8:30pm	15-week

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

Prerequisite: EN 51 or appropriate score on reading placement exam

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

1573	EN52-1	MW	9am – 10:45am	15-week
1574	EN52-2	MW	9am – 10:45am	15-week
1575	EN52-3	MW	11am – 12:45pm	15-week
1576	EN52-4	MW	11am – 12:45pm	15-week
1577	EN52-5	MW	1pm – 2:45pm	15-week
1578	EN52-6	MW	3pm – 4:45pm	15-week
1579	EN52-7	TTH	9am – 10:45am	15-week
1580	EN52-8	TTH	11am – 12:45pm	15-week
1581	EN52-9	TTH	1pm – 2:45pm	15-week
1582	EN52-10	TTH	3pm – 4:45pm	15-week
1583	EN52-11	F	9am – 12:45pm	15-week
1584	EN52-12	M	5pm – 8:30pm	15-week
1585	EN52-13	T	5pm – 8:30pm	15-week

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

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

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

The first of a two-part sequence that develops writing skills in preparation for EN 61 and EN 101. Emphasizes writing well-organized paragraphs and essays. Includes review of grammar and punctuation and development of proofreading and editing skills.

1586	EN60-1	MW	1pm – 2:45pm	2nd 7-week
1587	EN60-2	TTH	11am – 12:45pm	2nd 7-week
1588	EN60-3	W	5pm – 8:30pm	2nd 7-week
1589	EN60-LK1	MW	9am – 10:45am	1st 7-week
1590	EN60-LK2	MW	11am – 12:45pm	1st 7-week
1591	EN60-LK3	MW	11am – 12:45pm	1st 7-week
1592	EN60-LK4	MW	1pm – 2:45pm	1st 7-week
1593	EN60-LK5	MW	3pm – 4:45pm	1st 7-week
1594	EN60-LK6	TTH	9am – 10:45am	1st 7-week
1595	EN60-LK7	TTH	9am – 10:45am	1st 7-week
1596	EN60-LK8	TTH	11am – 12:45pm	1st 7-week
1597	EN60-LK9	TTH	1pm – 2:45pm	1st 7-week
1598	EN60-LK10	TTH	1pm – 2:45pm	1st 7-week
1599	EN60-LK11	TTH	3pm – 4:45pm	1st 7-week
1600	EN60-LK12	F	9am – 12:30pm	1st 7-week
1601	EN60-LK13	M	5pm – 8:30pm	1st 7-week
1602	EN60-LK14	T	5pm – 8:30pm	1st 7-week

Note: Students registering for an EN60 linked (LK) section must also register for the corresponding EN61 linked (LK) section.

EN61 - Writing Skills II Part 2 (O) [2]

Prerequisite: EN 60 or results of writing placement exam

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

1603	EN61-1	MW	1pm – 2:45pm	1st 7-week
1604	EN61-2	TTH	11am – 12:45pm	1st 7-week
1605	EN61-LK1	MW	9am – 10:45am	2nd 7-week
1606	EN61-LK2	MW	11am – 12:45pm	2nd 7-week
1607	EN61-LK3	MW	11am – 12:45pm	2nd 7-week
1608	EN61-LK4	MW	1pm – 2:45pm	2nd 7-week
1609	EN61-LK5	MW	3pm – 4:45pm	2nd 7-week
1610	EN61-LK6	TTH	9am – 10:45am	2nd 7-week
1611	EN61-LK7	TTH	9am – 10:45am	2nd 7-week
1612	EN61-LK8	TTH	11am – 12:45pm	2nd 7-week
1613	EN61-LK9	TTH	1pm – 2:45pm	2nd 7-week
1614	EN61-LK10	TTH	1pm – 2:45pm	2nd 7-week
1615	EN61-LK11	TTH	3pm – 4:45pm	2nd 7-week
1616	EN61-LK12	F	9am – 12:30pm	2nd 7-week
1617	EN61-LK13	M	5pm – 8:30pm	2nd 7-week
1618	EN61-LK14	T	5pm – 8:30pm	2nd 7-week

Note: Students registering for an EN61 linked (LK) section must also register for the corresponding EN60 linked (LK) section.

EN101 - English Composition (3)

Gen Ed English

Prerequisites: ((EN 50A or EN 61) and EN 52) OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.

1619	EN101-1	MW	8am – 9:15am	15-week
1620	EN101-2	MW	8am – 9:15am	15-week
1621	EN101-3	MW	9am – 10:25am	13-week
1622	EN101-4	MW	9:30am – 10:45am	15-week
1623	EN101-5	MW	9:30am – 10:45am	15-week
1624	EN101-6	MW	9:30am – 10:45am	15-week
1625	EN101-7	MW	11am – 12:15pm	15-week
1626	EN101-8	MW	11am – 12:15pm	15-week
1627	EN101-9	MW	12:30pm – 1:45pm	15-week
1628	EN101-10	MW	12:30pm – 1:45pm	15-week
1629	EN101-11	MW	12:30pm – 1:45pm	15-week
1630	EN101-12	MW	2pm – 3:15pm	15-week
1631	EN101-13	MW	2pm – 3:15pm	15-week
1632	EN101-14	MW	2pm – 4:15pm	2nd 8-week
1633	EN101-15	MW	3:30pm – 4:45pm	15-week
1634	EN101-16	MW	3:30pm – 4:45pm	15-week
1635	EN101-17	MW	3:30pm – 5:45pm	2nd 8-week
1636	EN101-18	TTH	8am – 9:15am	15-week
1637	EN101-19	TTH	8am – 9:15am	15-week
1638	EN101-20	TTH	9:30am – 10:45am	15-week
1639	EN101-21	TTH	9:30am – 10:45am	15-week
1640	EN101-22	TTH	11am – 12:15pm	15-week
1641	EN101-23	TTH	11am – 12:15pm	15-week
1642	EN101-24	TTH	11am – 12:15pm	15-week
1643	EN101-25	TTH	12:30pm – 1:45pm	15-week
1644	EN101-26	TTH	12:30pm – 1:45pm	15-week
1645	EN101-27	TTH	1pm – 3:15pm	1st 8-week
1646	EN101-28	TTH	2pm – 3:15pm	15-week
1647	EN101-29	TTH	2pm – 3:15pm	15-week
1648	EN101-30	TTH	3:30pm – 4:45pm	15-week
1649	EN101-31	TTH	3:30pm – 4:45pm	15-week
1650	EN101-32	TTH	3:30pm – 4:45pm	15-week
1651	EN101-33	F	9am – 11:30am	15-week
1652	EN101-34	SAT	9am – 11:45am	14-week
1653	EN101-35	M	6pm – 8:30pm	15-week
1654	EN101-36	T	6pm – 8:30pm	15-week
1655	EN101-37	W	6pm – 8:30pm	15-week
1656	EN101-38	TH	6pm – 8:30pm	15-week
1657	EN101-ONL1	📱	Online Course	15-week
1658	EN101-ONL2	📱	Online Course	15-week
1659	EN101-ONL3	📱	Online Course	1st 8-week
1660	EN101-ONL4	📱	Online Course	2nd 8-week

Note: Students registering for an EN 101 linked (LK) section must also register for the corresponding ACE 100 linked (LK) section.

1661	EN101-LK1	MW	8am – 9:15am	15-week
1662	EN101-LK2	MW	10:30am – 11:45am	15-week
1663	EN101-LK3	MW	1pm – 2:15pm	15-week
1664	EN101-LK4	TTH	8am – 9:15am	15-week
1665	EN101-LK5	TTH	10:30am – 11:45am	15-week
1666	EN101-LK6	TTH	1pm – 2:15pm	15-week
1667	EN101-LK7	F	9:30am – 11:45am	15-week
1668	EN101-LK8	SAT	9:30am – 11:45am	14-week
1669	EN101-LK9	M	5pm – 7:30pm	15-week
1670	EN101-LK10	TTH	3:30pm – 4:45pm	15-week

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

EN101H - English Composition (3)

Gen Ed English

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

Develops students' ability to use writing, reading, research, and thinking processes to create documented essays that demonstrate the conventions of academic writing.




1681	EN101H-1	MW	9:30am – 10:45am	15-week
1682	EN101H-2	MW	2pm – 3:15pm	15-week
1683	EN101H-3	F	10am – 12:35pm	15-week
1684	EN101H-4	W	5pm – 7:35pm	15-week

EN102 - English Composition and Literature (3)

Gen Ed Humanities; Gen Ed Communications

Prerequisite: EN 101

Reinforces, through an examination of literature, the reading, writing, critical thinking, and information literacy skills introduced in English Composition. By exploring literary texts from fiction, poetry, and drama, students learn to clarify their own values and identities as well as develop a better understanding of ideas and cultures beyond their own experience.

1685	EN102-1	MW	8am – 9:15am	15-week
1686	EN102-2	MW	9:30am – 10:45am	15-week
1687	EN102-3	MW	11am – 12:15pm	15-week
1688	EN102-4	MW	12:30pm – 1:45pm	15-week
1689	EN102-5	MW	2pm – 3:15pm	15-week
1690	EN102-6	MW	2pm – 3:15pm	15-week
1691	EN102-7	MW	3:30pm – 4:45pm	15-week
1692	EN102-8	TTH	9:30am – 10:45am	15-week
1693	EN102-9	TTH	11am – 12:15pm	15-week
1694	EN102-10	TTH	12:30pm – 1:45pm	15-week
1695	EN102-11	TTH	2pm – 3:15pm	15-week
1696	EN102-12	TTH	3:30pm – 4:45pm	15-week
1697	EN102-13	TTH	3:30pm – 5:45pm	1st 8-week
1698	EN102-14	F	9am – 1:40pm	2nd 8-week
1699	EN102-15	M	6pm – 8:30pm	15-week
1700	EN102-16	T	6pm – 8:30pm	15-week
1701	EN102-ONL1		Online Course	15-week
1702	EN102-ONL2		Online Course	15-week
1703	EN102-ONL3		Online Course	1st 8-week

EN115 - Technical Writing (3)

Prerequisite: EN 101

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

1704	EN115-ONL1		Online Course	15-week
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EN203 - American Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

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

1705	EN203-1C	MW	12:30pm – 1:45pm	15-week
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EN203H - American Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

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

1706	EN203H-1C	MW	12:30pm – 1:45pm	15-week
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EN206 - World Literature (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: EN 101

Surveys major world writers from 1650 CE through the present.

1707	EN206-1	MW	3:30pm – 4:45pm	15-week
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EN210 - Creative Writing I (A,B, etc) (3)

Prerequisite: EN 101

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

1708	EN210-1	MW	2pm – 3:15pm	15-week
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EN212 - Journalism I (3)

Prerequisite: EN 101

Introduces principles of good reporting.

1709	EN212-1C	TTH	11am – 12:15pm	15-week
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EN212H - Journalism I (3)

Prerequisite: EN 101

Introduces principles of good reporting.

1710	EN212H-1C	TTH	11am – 12:15pm	15-week
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EN216 - The Short Story (3)

Gen Ed Humanities

Prerequisite: EN 101

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

2419	EN216-ONL1		Online Course	15-week
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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.

1712	EN223-1	W	6pm – 8:30pm	15-week
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EN227 - Literature: Multicultural Perspectives (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Multicultural Perspectives

Prerequisite: EN 101

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

1713	EN227-1C	TTH	12:30pm – 1:45pm	15-week
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EN227H - Literature: Multicultural Perspectives (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Multicultural Perspectives

Prerequisite: EN 101

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

1714	EN227H-1C	TTH	12:30pm – 1:45pm	15-week
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EN231 - English Language Studies (3)

Gen Ed Humanities

Prerequisite: EN 101

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

1715 EN231-ONLC  Online Course 15-week

EN231H - English Language Studies (3)

Gen Ed Humanities

Prerequisite: EN 101

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

1716 EN231H-ONLC  Online Course 15-week

EN/CMM: English & Communications

EN/CMM218 - Journalism Publication Practicum (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Communications

Prerequisite: EN 101

Provides instruction and laboratory experience in writing, editing, designing, and publishing print and digital content for 'The Commuter', Frederick Community College's Student Newspaper. Students receive practical experience in journalistic and social media content, curation, editing, design, photography and digital production using industry standard software. Students will create and produce 3 newspapers per semester.

1711 EN/CMM218-1 MW 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.

1717 ESL70-1 MW 9am – 10:45am 15-week
1718 ESL70-2 SAT 9am – 12:30pm 14-week
1719 ESL70-3 TTH 6pm – 7:45pm 15-week

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.

1720 ESL71-1 TTH 9am – 10:45am 15-week
1721 ESL71-2 MW 6pm – 7:45pm 15-week

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.

1722 ESL72-1 MW 11am – 12:45pm 15-week
1723 ESL72-2 SAT 9am – 12:30pm 14-week
1724 ESL72-3 TTH 5:15pm – 7pm 15-week

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

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

Corequisite: ESL 72

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

1725 ESL73-1 TTH 9am – 10:45am 15-week
1726 ESL73-2 MW 5:15pm – 7pm 15-week

ESL76 - Academic Oral Communication Skills I (0) [3]

Prerequisite: Placement by the college's LOEP assessment into ESL Level I or higher

Designed to help students practice and improve academic listening and speaking skills as needed for functioning successfully in academic and professional settings. There will be exercises, practice, and small and large group activities designed to develop the academic listening/note-taking, pronunciation, and oral presentation skills necessary for the rigor of degree programs and/or professional communication. Credits are not applicable toward graduation. Placement is based upon students' performance on the college's ESL assessment.

1727 ESL76-1 MW 3:30pm – 4:45pm 15-week

FSA: Fire Service Administration

FSA101 - Fire Protection Systems (3)

Prerequisite or Corequisite: EN 101

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

2430 FSA101-1 F 8am – 11am 15-week
2431 FSA101-2 TH 7pm – 10pm 15-week

FSA103 - Fire Investigation and Analysis (3)

Prerequisite or Corequisite: EN 101

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

2432 FSA103-1 M 8am – 11am 15-week
2433 FSA103-2 T 8am – 11am 15-week

FSA201 - Fire and Emergency Services Administration (3)

Prerequisite: FSA 101

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. New technologies, changing organizational structures, personnel and equipment, municipal fire protection planning, manpower and training, and financial management are examined. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer. Note: If student is not an active firefighter, they must establish a mentor who is a FD Chief Officer.

2434	FSA201-1	T	8am – 11am	15-week
2435	FSA201-2	TH	7pm – 10pm	15-week

GG: Geography

GG101 - Elements of Geography (3)

Gen Ed Geography

Prerequisite: EN 52 or ESL 99 or ESL 72

Explores elements of man's environment and the changes resulting from natural and human agents. Includes map reading and interpretation.

2238	GG101-1	MW	9:30am – 10:45am	15-week
2239	GG101-ONL1	📖	Online Course	13-week

GG102 - Cultural Geography (3)

Gen Ed Geography; Cultural Competence

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2240	GG102-1	TTH	11am – 12:15pm	15-week
2241	GG102-2	T	6pm – 8:35pm	15-week
2242	GG102-ONL1	📖	Online Course	13-week

HE: Health Education

HE102 - Nutrition in a Changing World (3)

Gen Ed Wellness

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

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

1002	HE102-1	MW	9:30am – 10:45am	15-week
1003	HE102-2	MW	12:30pm – 1:45pm	15-week
1004	HE102-3	MW	2pm – 3:15pm	15-week
1005	HE102-5	TTH	2pm – 3:15pm	15-week
1006	HE102-4	TTH	11am – 1:30pm	2nd 7-week
1007	HE102-6	M	5pm – 7:35pm	15-week
1008	HE102-ONL1	📖	Online Course	15-week
1009	HE102-ONL2	📖	Online Course	15-week
1010	HE102-ONL3	📖	Online Course	1st 8-week
1011	HE102-ONL4	📖	Online Course	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.

1012	HE110-1	TH	11am – 1pm	2nd 7-week
1013	HE110-ONL1	📖	Online Course	1st 7-week

HE115 - Stress Management Techniques (1)

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

1014	HE115-1	F	9:30am – 11:30am	2nd 7-week
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HE120 - CPR/AED and Basic First Aid (1)

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

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

1015	HE120-1	TTH	9:30am – 10:45am	1st 7-week
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HE130 - Tai Chi: A Cultural Perspective (3)

Cultural Competence

Introduces the traditional Chinese meditative exercise known as Tai Chi. While participating in the low intensity physical skills that comprise Tai Chi, students will be introduced to the culture, philosophy, history, and practice of the exercise.

2459	HE130-1	M	9:30am – 11am	13-week
2460	HE130-2	W	9:30am – 11am	13-week

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.

1016	HE200-1	TTH	11am – 1:30pm	1st 8-week
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HE201 - Stress Management (3)

Gen Ed Wellness

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

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

1017	HE201-1	MW	11am – 12:15pm	15-week
1018	HE201-2	T	9:30am – 12pm	15-week
1019	HE201-3	TTH	12:30pm – 1:45pm	15-week
1020	HE201-4	TTH	2pm – 3:15pm	15-week
1021	HE201-5	T	5pm – 7:35pm	15-week
1022	HE201-ONL1	📖	Online Course	15-week
1023	HE201-ONL2	📖	Online Course	15-week

HE204 - Health Education (3)

Gen Ed Wellness

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

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

1024	HE204-1	MW	12:30pm – 1:45pm	15-week
1025	HE204-2	TTH	9:30am – 10:45am	15-week
1026	HE204-3	TTH	11am – 12:15pm	15-week
1027	HE204-4	T	1pm – 3:30pm	15-week
1028	HE204-5	M	5pm – 7:35pm	15-week
1029	HE204-ONL1	📖	Online Course	15-week
1030	HE204-ONL2	📖	Online Course	15-week

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

HI: History

HI101 - History of Western Civilization (3)

Gen Ed History

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

2243	HI101-1	MW	8am – 9:15am	15-week
2244	HI101-2	MW	3:30pm – 4:45pm	15-week
2245	HI101-3	TTH	11am – 12:15pm	15-week
2246	HI101-4	TTH	12:30pm – 1:45pm	15-week
2247	HI101-ONL1	📖	Online Course	13-week

HI102 - History of Western Civilization (3)

Gen Ed History

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Covers Western history from 1500 to the present.

2248	HI102-1	TTH	11am – 12:15pm	15-week
2249	HI102-2	T	6pm – 8:55pm	13-week
2250	HI102-3	TTH	2pm – 3:15pm	15-week

HI201 - History of the United States (3)

Gen Ed History

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines the economic, political and social forces that have shaped the patterns of life, institutions and thought in the United States through the Civil War.

2252	HI201-1	MW	9:30am – 10:45am	15-week
2253	HI201-2	MW	12:30pm – 1:45pm	15-week
2264	HI201-3	W	6pm – 8:35pm	15-week
2255	HI201-ONL1	📖	Online Course	13-week

HI201H - History of the United States (3)

Gen Ed History

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Examines the economic, political and social forces that have shaped the patterns of life, institutions and thought in the United States through the Civil War.

2436	HI201H-1	TTH	9:30am – 10:45am	15-week
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HI202 - History of the United States (3)

Gen Ed History

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73)
Covers United States history from Reconstruction to the present.

2257	HI202-1	MW	11am – 12:15pm	15-week
2259	HI202-2	TTH	3:30pm – 4:45pm	15-week
2258	HI202-3	TTH	6pm – 8:35pm	15-week
2261	HI202-ONL1	📖	Online Course	13-week

HI212 - Civil War (3)

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

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

2437	HI212-1	M	6pm – 8:35pm	15-week
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HI217 - African-American History (3)

Gen Ed Multicultural Perspectives; Cultural Competence; Gen Ed History

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

Surveys African-American history from the arrival of the first Africans in 1619 to the present. Includes the major economic, political, and social forces that have helped shape the role of the African American in the history of America.

2438	HI217-1	TTH	9:30am – 10:45am	15-week
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HOS: Hospitality

HOS110 - Introduction to Hospitality Management (3)

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

Develops an understanding of the hospitality industry and introduces the student to the career opportunities available. Provides a basic understanding of the organizational structure and departmental functions within hotel and 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.

2126	HOS110-1	T	6pm – 8:35pm	1st 7-week
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HOS111 - Culinary Fundamentals (1)

Prerequisite: EN 52 or ESL 99; *Corequisite:* HOS 112

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

2127	HOS111-1	W	10am – 10:50am	15-week
2480	HOS111-2	F	10am – 10:50am	15-week

HOS112 - Culinary I (3)

*** Culinary fee per class: \$121**

Prerequisite: EN 52 or ESL 99 or ESL 72; *Corequisites:* (HOS 109 or HOS 111) and HOS 121

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

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

2128	HOS112-1	M	9am – 2pm	15-week
2481	HOS112-2	M	2pm – 7pm	15-week

HOS114 - Culinary Baking (3)

*** Culinary fee per class: \$121**

Prerequisite: EN 52 or ESL 99 or ESL 72; *Corequisite:* HOS 121

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

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

2130	HOS114-1	T	9am – 2pm	15-week
2482	HOS114-2	T	2pm – 7pm	15-week

HOS121 - Sanitation and Food Safety (2)

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

2131	HOS121-1	TH	6pm – 7:40pm	15-week
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HOS210 - Garde Manager (4)

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, and salads. Introduces preparation of basic butchery and charcuterie items while focusing on the total utilization of product. Introduces modern culinary techniques and cooking methods. Extra fees required.

2483 HOS210-1 TH 9am – 4pm 15-week

HOS215 - Catering and Event Management (3)

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

Provides both practical knowledge and a comprehensive understanding of the catering and event management industry. Equips students with the knowledge to advance in the field if you are currently working in the field or will prepare you to enter the profession with an understanding of the industry. Provides the foundation for which students can build their careers in catering and special events or start their own business, and will examine the complex role of catering in the event management process. Topics include planning and development for special events such as weddings and anniversaries, menu planning, service planning, room selection, setup and operation, and coordination and management of the event from the inception phase to the post-evaluation of the event.

2132 HOS215-HYB1 TH 6pm – 8:35pm 1st 7-week

HOS216 - Food and Beverage Operations (3)

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

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.

2133 HOS216-HYB1 T 6pm – 8:35pm 2nd 7-week

HOS218 - Hospitality Information Systems (3)

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73); Prerequisite or Corequisite: CIS 101

Provides an overview of the information needs of lodging properties and food service establishments; addresses essential aspects of computer systems, such as hardware, software, and generic applications; focuses on computer-based property management systems for both front office and back office functions; examines features of computerized restaurant management systems; describes hotel sales computer applications, revenue management strategies, and accounting applications; addresses the selection and implementation of computer systems; focuses on managing information systems; and examines the impact of the Inter and private intras on the hospitality industry.

2134 HOS218-1 TTH 9am – 10:15am 15-week

HOS230 - Applied Culinary Nutrition (3)

* Culinary fee per class: \$121

Prerequisite: HOS 113 or permission of program manager

Applies basic nutrition concepts to the development of recipe modification and menu planning for special diets and healthy cooking. Emphasizes the role of the foodservice professional in providing nutritious foods that meet the needs of today's diverse customer groups.

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

2135 HOS230-1 W 9am – 2pm 15-week

H: Honors College

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

CMSP103H - Speech Fundamentals (3)

Gen Ed Communications

Prerequisite: EN 52 or ESL 99 or ESL 72

1242 CMSP103H-1 TTH 11am – 12:15pm 15-week
1244 CMSP103H-2 T 5pm – 7:35pm 15-week

EC201H - Principles of Economics (3)

Gen Ed Economics

Prerequisite: EN 52 or ESL 99 or ESL 72

2121 EC201H-1 TTH 12:30pm – 1:45pm 15-week

EN101H - English Composition (3)

Gen Ed English

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73) OR (satisfactory performance on the writing assessment and satisfactory performance on the reading assessment)

1681 EN101H-1 MW 9:30am – 10:45am 15-week
1682 EN101H-2 MW 2pm – 3:15pm 15-week
1683 EN101H-3 F 10am – 12:35pm 15-week
1684 EN101H-4 W 5pm – 7:35pm 15-week

EN203H - American Literature (3)

Gen Ed Humanities

Prerequisite: EN 101

1706 EN203H-1C MW 12:30pm – 1:45pm 15-week

EN212H - Journalism I (3)

Prerequisite: EN 101

1710 EN212H-1C TTH 11am – 12:15pm 15-week

EN227H - Literature: Multicultural Perspectives (3)

Gen Ed Humanities; Cultural Competence; Gen Ed Multicultural Perspectives

Prerequisite: EN 101

1714 EN227H-1C TTH 12:30pm – 1:45pm 15-week

EN231H - English Language Studies (3)

Gen Ed Humanities

Prerequisite: EN 101

1716 EN231H-ONLC  Online Course 15-week

HI201H - History of the United States (3)

Gen Ed History

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

2436 HI201H-1 TTH 9:30am – 10:45am 15-week

PC104H - The Water Planet: Introduction to Oceanography (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

1906 PC104H-1 W 12:30pm – 3:05pm 15-week

PS101H - General Psychology (3)

Gen Ed Psychology

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

2446 PS101H-1 MW 11am – 12:15pm 15-week

IS: Honors Independent Study

IS900H - Independent Study - Biology Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

2381 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.

2382 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.

2383 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.

2384 IS903H-1 TBA 15-week

IS904H - Independent Study - Psychology Honors (3)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

2385 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.

2386 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.

2387 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.

2388 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.

2389 IS911H-1 TBA 15-week

IS912H - Honors Forum (1)

Prerequisites: Completion of honors course in discipline of independent study and completion of 15 credits at FCC.

2390 IS912H-1 TBA 2nd 7-week

2391 IS912H-2 TBA 2nd 7-week

HS: Human Services

HS102 - Human Relations (3)

Gen Ed Human Services; Cultural Competence

Prerequisite: EN 52 or ESL 99 or ESL 72

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

2269	HS102-1	MW	9:30am – 10:45am	15-week
2270	HS102-2	MW	12:30pm – 1:45pm	15-week
2271	HS102-3	MW	3:30pm – 4:45pm	15-week
2272	HS102-4	TTH	8am – 9:15am	15-week
2273	HS102-5	TTH	9:30am – 10:45am	15-week
2274	HS102-6	TTH	12:30pm – 1:45pm	15-week
2275	HS102-7	TTH	2pm – 3:15pm	15-week
2277	HS102-8	SAT	9am – 1:40pm	2nd 8-week
2278	HS102-9	M	7:45pm – 10:20pm	15-week
2279	HS102-10	T	5pm – 7:35pm	15-week
2280	HS102-ONL1	📺	Online Course	15-week

HS103 - Introduction to Social Work and the Human Services (4)

Prerequisite: EN 52 or ESL 99 or ESL 72

Surveys the philosophies of the field of social work and all of the human services. Examines the historical and theoretical approaches to the understanding of social work and the agencies that deal with delivery of services to members of society. Includes the interrelationship of human services and examines the knowledge, values and skills of the helping process. Particular emphasis is placed on the concept of human diversity and the impact of oppression and discrimination. This course will highlight the human needs that social workers address across the life span with particular emphasis on the needs of older adults.

2281	HS103-1	MW	12:30pm – 1:45pm	15-week
2282	HS103-2	M	5pm – 7:35pm	15-week

HS203 - Introduction to Counseling and Interviewing (3)

Prerequisite: PS 101

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

2283	HS203-1	TTH	9:30am – 10:45am	15-week
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HS204 - Ethics & Practice Issues in the Human Services (1)

Prerequisite: HS 203; Corequisite: INTR 102

Integrates a study of ethical and practice issues in the human service field with the student's experience in the internship education practicum. Special attention will be given to the special ethical issues in the addictions field.

2284	HS204-HYB1	F	1:30pm – 3:30pm	15-week
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HS205 - Fundamentals of Addictions (3)

Prerequisite: HS 203

Presents major theoretical approaches to the field of addictions, and introduction to the twelve core functions of the alcohol and drug abuse counselor. This course will include skill development training for the beginning alcohol and drug counselor.

2285	HS205-1	TH	5pm – 7:35pm	15-week
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Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

HU: Humanities

HU104 - Introduction to Digital Humanities (3)

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

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

2449 HU104-1 MW 12:30pm – 1:45pm 15-week

ID: Interdisciplinary Studies

ID113 - Introduction to Leadership (3)

Gen Ed Interdisciplinary

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

Examines leadership through an analysis of various leadership qualities and styles in the fields of business, government, the law, and the military. By utilizing a wide variety of sources, including readings, films, and experiential exercises, students will explore the concept of leadership as well as developing/improving their own leadership skills.

2287 ID113-1 F 11am – 1:30pm 15-week

ID209 - Ethnic Diversity (3)

Gen Ed Interdisciplinary; Cultural Competence

Prerequisite: EN 52 or ESL 99 or ESL 72

A survey of the status and treatment of ethnic groups in the United States; patterns of dominant and subordinate relations, prejudice and discrimination; historical and current problems, demographic and social background, political and social policies.

2289 ID209-1 TTH 2pm – 3:15pm 15-week

2290 ID209-ONL1  Online Course 15-week

ID222 - The Sixties (3)

Gen Ed Interdisciplinary

Prerequisites: [(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.

2439 ID222-1 T 6pm – 8:35pm 15-week

ID225 - Disaster, Crisis and Emergency Management (3)

Gen Ed Interdisciplinary

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

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

2377 ID225-1 TTH 11am – 12:15pm 1st 8-week

2378 ID225-ONL1  Online Course 1st 8-week

ID250 - Global Scholar Experience (3)

Gen Ed Multicultural Perspectives; Gen Ed Interdisciplinary

Prerequisite or Corequisite: EN 101

Develop cultural competency through short-term study abroad using a 'learn, travel, teach' model. The pre-trip component will introduce the concept of cultural competency, elements of culture, and an overview of the destination country's/ies' culture(s). During the study abroad portion, daily journaling or blogging will record and analyze the travel experience. Post-trip, a multimedia cultural competency project will be completed with faculty supervision and presented to an audience. Students who successfully complete all course requirements will be awarded a Global Scholar Certificate.

2292 ID250-ONL1  Online Course 15-week

ID260 - The Language of Hip Hop (3)

Gen Ed Interdisciplinary; Cultural Competence

Prerequisite or Corequisite: EN 101

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

2450 ID260-1 TTH 12:30pm – 1:45pm 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.

2392 INTR101-1 TBA 15-week

Note: Additional sections available in various sessions.

INTR102 - Internship (2)

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

2393 INTR102-1 TBA 15-week

Note: Additional sections available in various sessions.

INTR103 - Internship (3)

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

2394 INTR103-1 TBA 15-week

Note: Additional sections available in various sessions.

LA: Paralegal

LA100 - Introduction to Law (3)

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

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

2293 LA100-HYB1 SAT 9am – 1:15pm 1st 7-week S

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.

2440 LA103-ONL1  Online Course 15-week

LA104 - Contracts (3)

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

Covers the fundamental principles of contract law; the manner in which contracts are formed; the elements of a valid contract; the rights and obligations of various parties to a contract, as well as the rights of third parties; and available remedies when a contract is breached.

2441 LA104-HYB1 T 12:30pm – 1:45pm 15-week
2442 LA104-ONL1  Online Course 15-week

LA106 - Law & Technology (3)

Prerequisites: LA 100, CIS 103A

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.

2443 LA106-ONL1  Online Course 2nd 8-week

LA110 - Legal Research (3)

Corequisite: LA 100

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

2444 LA110-HYB1 W 6pm – 8:30pm 15-week

LAR: Arabic

LAR101 - Introductory Arabic I (3)

Gen Ed Humanities

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

1272 LAR101-1 TTH 11am – 12:15pm 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LC: Chinese

LC101 - Introductory Chinese I (4)

Gen Ed Humanities

Covers fundamentals of the Mandarin Chinese written and spoken language. Offers a strong foundation in the language through development of vocabulary, grammar, reading, and conversational skills. Offers insights into Chinese culture and customs.

2451 LC101-1 F 11am – 2pm 13-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LF: French

LF101 - Introductory French I (3)

Gen Ed Humanities

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

1273 LF101-1 MW 12:30pm – 1:45pm 15-week
1274 LF101-ONL1  Online Course 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.

LF201 - Intermediate French I (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LF 102

Covers advanced grammar and composition with selected readings.

2452 LF201-1 MW 2pm – 3:15pm 15-week

LG: German

LG101 - Introductory German I (3)

Gen Ed Humanities

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

1275 LG101-1 TTH 12:30pm – 1:45pm 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LG102 - Introductory German II (3)

Gen Ed Humanities

Prerequisite: LG 101

Continuation of LG 101. Introduces more complicated readings.

1277 LG102-1 TTH 9:30am – 10:45am 15-week

LG201 - Intermediate German I (3)

Gen Ed Humanities

Prerequisite: LG 102

Covers advanced grammar and composition with selected readings.

1276 LG201-1 TTH 2pm – 3:15pm 15-week

LI: Italian

LI101 - Introductory Italian I (3)

Gen Ed Humanities

Presents the fundamentals of the Italian written and spoken language. Develops a firm foundation in the language with emphasis on the development of vocabulary, grammar, reading and conversational skills. Offers insight into Italian culture and customs.

1278 LI101-1 TTH 3:30pm – 4:45pm 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LL: Latin

LL101 - Introductory Latin I (3)

Gen Ed Humanities

Introduces classical Latin language. Presents the study of Latin grammar and vocabulary with the goal of developing reading skills in the language. Offers insight into Roman literature, thought and expression through the reading of Latin sentences and passages derived from ancient authors.

1280 LL101-1 T 5pm – 7:35pm 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.

LL201 - Intermediate Latin I (3)

Gen Ed Humanities

Prerequisite: LL 102

Presents Latin grammar through lecture, practice, review and the reading of ancient authors. Includes medieval Latin and the Vulgate Roman and Greek culture appropriate to the readings. Increases English vocabulary by recognition of English words derived through Latin.

1279 LL201-1 T 7:45pm – 10:20pm 15-week

LP: Portuguese

LP101 - Introductory Portuguese I (3)

Introduces Portuguese grammar and vocabulary. Develops oral and reading skills in the language and competence in answering basic questions. Through the reading of lifelike dialogues, students gain insight into Portuguese and Brazilian cultures, thoughts, and expressions.

1282 LP101-EX1 MW 3:30pm – 4:45pm 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LR: Russian

LR101 - Introductory Russian I (3)

Gen Ed Humanities

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

1283 LR101-1 MW 5pm – 6:15pm 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LR111 - Russian Alphabet Cursive Script and Sound System (3)

Introduces the fundamentals of the Russian handwritten cursive alphabet and basic pronunciation. A strong foundation in the Russian cursive script and sound system will be developed through basic vocabulary, pronunciation, reading, and conversational proficiencies. Study of the written script will offer the student insight into Russian culture and customs.

1284 LR111-EX1 T 5:30pm – 8:05pm 15-week

LS: Spanish

LS101 - Introductory Spanish I (3)

Gen Ed Humanities

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

1296 LS101-1 MTWT 9:30am – 10:45am 1st 7-week

1285 LS101-2 MW 9:30am – 10:45am 15-week

1286 LS101-3 MW 11am – 12:15pm 15-week

2399 LS101-4 MW 2pm – 3:15pm 15-week

1287 LS101-5 TTH 11am – 12:15pm 15-week

1288 LS101-6 TTH 12:30pm – 1:45pm 15-week

1289 LS101-7 SAT 9am – 11:45am 14-week

1290 LS101-8 TTH 6pm – 8:40pm 1st 7-week

2398 LS101-9 T 6pm – 8:35pm 15-week

1291 LS101-ONL1 Online Course 15-week

Note: Introductory level language courses are not open to native or fluent speakers of the target language. These are beginning language courses. Students with prior language knowledge should discuss placement with the World Languages Program Manager.

LS102 - Introductory Spanish II (3)

Gen Ed Humanities

Prerequisite: LS 01

A continuation of LS 101. Introduces more complicated readings.

1292 LS102-1 MTWT 9:30am – 10:45am 2nd 7-week

1293 LS102-2 MW 11am – 12:15pm 15-week

1294 LS102-3 TTH 11am – 12:15pm 15-week

1295 LS102-4 TTH 6pm – 8:35pm 2nd 8-week

LS110 - Spanish for Heritage Speakers and Bilinguals (3)

Prerequisite: LS 102

Develops and promotes bilingual heritage students' knowledge of Spanish by creating opportunities to advance and improve basic language skills in an academic setting. Explores the cultural Hispanic heritage in the United States. Bilingual students whose native language is Spanish and other linguistically qualified students who wish to continue to improve their development of writing and reading skills may register for this class.

2453 LS110-1 MW 3:30pm – 4:45pm 13-week

LS201 - Intermediate Spanish I (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 102

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.

1298 LS201-1 MW 11am – 12:15pm 15-week

LS211 - Spanish Conversation I (3)

Gen Ed Humanities; Cultural Competence

Prerequisite: LS 102

Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

1299 LS211-1 TTH 12:30pm – 1:45pm 15-week

Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

MA: Mathematics

MAA - Instruction with Algebra (2)

1516 MAA-1 ASG 15-week

Note: Students registering for MA 103A, MA 206A, or MA 207A must also register for MA A.

MA80 - Pre-Algebra (0) [1]

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

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

1404 MA80-A1 MW 9:30am – 10:45pm 1st 5-week

Note: Students registering for MA80-A1 must also register for MA81-A1CW.

MA81 - Introductory Algebra (0) [4]

Prerequisites: Placement in EN 51 or ESL 70 or higher on the reading placement test AND a grade of B or better in MA 80 or Accuplacer placement score of 30 or greater on the Beginning Algebra section

Develops introductory algebra skills. Topics include variables and algebraic expressions, order of operations, graphing and solving linear equations, like terms, the distributive law, applications of linear equations, systems of linear equations, polynomials, factoring, and rational expressions. Technology is integrated with traditional skills practice throughout the course.

1406	MA81-1	MTWT	8am – 9:15am	10-week
1407	MA81-2	MW	9am – 10:40am	15-week
1408	MA81-3	MW	11am – 12:40pm	15-week
1409	MA81-4	MW	11am – 12:40pm	15-week
1410	MA81-5	MTWT	11am – 12:15pm	10-week
1411	MA81-6	MTWT	12:30pm – 1:45pm	10-week
1412	MA81-7	MW	1pm – 2:40pm	15-week
1413	MA81-8	MTWT	2pm – 3:15pm	10-week
1414	MA81-9	TTH	9am – 10:40am	15-week
1415	MA81-10	TTH	9am – 10:40am	15-week
1416	MA81-11	TTH	11am – 12:40pm	15-week
1417	MA81-12	TTH	1pm – 2:40pm	15-week
1418	MA81-13	TTH	3pm – 4:40pm	15-week
1419	MA81-14	F	8am – 11:20am	15-week
1420	MA81-15	SAT	9am – 12:45pm	14-week
1421	MA81-16	MW	6pm – 7:40pm	15-week
1422	MA81-17	TTH	6:30pm – 8:10pm	15-week
1423	MA81-A1CW	MTWT	9:30am – 10:45am	10-week

Note: Students registering for MA81-A1CW must also register for MA80-A1.

MA82 - Intermediate Algebra (0) [4]

Prerequisites: A grade of B or better in MA 81 or appropriate score on mathematics placement test, and placement in EN 51 or ESL 70 or higher on the reading placement test

Develops intermediate algebra skills with a graphing approach. Topics include linear equations, systems of equations, quadratic equations, functions, exponents, radical functions, exponential functions, logarithmic functions, polynomial functions, and rational functions. Technology is integrated with traditional skill practice throughout the course.

1425	MA82-1	MW	9am – 10:40am	15-week
1426	MA82-2	MW	11am – 12:40pm	15-week
1427	MA82-3	MW	1pm – 2:40pm	15-week
1428	MA82-4	MW	3pm – 4:40pm	15-week
1429	MA82-5	TTH	9am – 10:40am	15-week
1430	MA82-6	TTH	11am – 12:40pm	15-week
1431	MA82-7	TTH	1pm – 2:40pm	15-week
1432	MA82-8	TTH	3pm – 4:40pm	15-week
1433	MA82-9	F	8am – 11:20am	15-week
1434	MA82-10	SAT	9am – 12:45pm	14-week
1435	MA82-11	MW	6pm – 7:40pm	15-week
1436	MA82-12	MW	6pm – 7:40pm	15-week
1437	MA82-13	TTH	6pm – 7:40pm	15-week
1438	MA82-HYB1	W	1pm – 2:40pm	15-week

MA85 - Introductory and Intermediate Algebra (0) [6]

Prerequisites: Placement in EN 51 or ESL 70 or higher on the reading placement test AND a grade of B or better in MA 80 or Accuplacer placement score of 30 or greater on the Beginning Algebra section

Develops introductory and intermediate algebra skills. Topics include algebraic expressions, linear expressions and equations, exponents, polynomials, factoring, rational expressions and equations, graphing and solving linear, quadratic, radical, exponential, and logarithmic functions. Technology is integrated with traditional skill practice throughout the course.

1440	MA85-1	MTWT	9:30am – 10:45am	15-week
1442	MA85-2	MTWT	12:30pm – 1:45pm	15-week
1445	MA85-3	MTWT	6pm – 7:45pm	15-week

MA103 - Foundations of Mathematics (3)

Gen Ed Math

MA 103 Prerequisites: MA 82 or MA 85 or BU/MA 205 or BU/MA 205A or MA 206 or MA 206A or MA 207 or MA 207A 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.

1447	MA103-1	MW	8am – 9:15am	15-week
2465	MA103-2	MW	11am – 12:15pm	15-week
2466	MA103-3	TTH	11am – 12:15pm	15-week
1448	MA103-4	TTH	12:30pm – 1:45pm	15-week
1449	MA103-5	TTH	2pm – 3:15pm	15-week
1450	MA103-6	F	8am – 10:35am	15-week
1451	MA103-7	M	6pm – 8:35pm	15-week
1452	MA103-ONL1	📱	Online Course	15-week
1453	MA103-ONL2	📱	Online Course	15-week

MA103A - Foundations of Mathematics with Algebra (3) [5]

Gen Ed Math

MA 103A Prerequisites: MA 82 or MA 85 or BU/MA 205 or BU/MA 205A or MA 206 or MA 206A or MA 207 or MA 207A 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.

1454	MA103A-1	MTWT	8am – 9:05am	15-week
1455	MA103A-2	MTWT	11am – 12:05pm	15-week
1456	MA103A-3	MTWT	2pm – 3:05pm	15-week
1457	MA103A-4	MTWT	3:30pm – 4:35pm	15-week
1458	MA103A-5	MW	6pm – 8:10pm	15-week

Note: Students registering for MA 103A must also register for MA A - Instruction with Algebra.

MA105 - Fundamental Concepts of Mathematics (4)

Prerequisite: A grade of B or better in MA 81 or appropriate score on mathematics placement test

A study of the real number system for early childhood education and elementary education students. Provides a comprehensive conceptually based background in elementary mathematics. Topics include historical development of numeration systems, decimal notation, arithmetic algorithms in decimal and other bases, elementary set theory and number theory. Emphasizes problemsolving strategies. Note: MA 105 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

1460	MA105-1	TTH	9am – 10:40am	15-week
1461	MA105-2	TTH	5pm – 6:40pm	15-week

MA106 - Fundamental Concepts of Mathematics II (4)

Prerequisite: A grade of B or better in MA 81 or appropriate score on mathematics placement test. It is recommended that students pass MA 105 before taking this course.

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 problemsolving skills and the appropriate use of technology including calculators and computers. Note: MA 106 is designed and recommended for Education majors in the Early Childhood Education and Elementary Education A.A.T. degrees only.

1462	MA106-1	MW	9am – 10:40am	15-week
1463	MA106-2	TTH	7pm – 8:40pm	15-week

MA111 - Precalculus (4)

Gen Ed Math

Prerequisite: Minimum grade of B 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.

1464	MA111-1	MW	1pm – 2:40pm	15-week
1465	MA111-2	MW	3pm – 4:40pm	15-week
1466	MA111-3	TTH	9am – 10:40am	15-week
1467	MA111-4	TTH	11am – 12:40pm	15-week
1468	MA111-5	TTH	1pm – 2:40pm	15-week
1469	MA111-6	MW	5pm – 6:40pm	15-week
1470	MA111-ONL1	📖	Online Course	15-week

MA130 - College Algebra (3)

Gen Ed Math

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

This class can be taken as a single semester course in College Algebra or as the first part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of function behavior, composition, and inverse using linear, polynomial, rational and radical functions; definition and analysis of exponential and logarithmic functions, complex numbers, formulae of midpoint, distance and average rate of change, and right triangle trigonometry. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

1471	MA130-1	MW	8am – 9:15am	15-week
1472	MA130-2	MW	9:30am – 10:45am	15-week
1473	MA130-3	MW	11am – 12:15pm	15-week
1474	MA130-4	MW	2pm – 3:15pm	15-week
1475	MA130-5	MW	3:30pm – 4:45pm	15-week
2467	MA130-6	TTH	8am – 9:15am	15-week
1476	MA130-7	TTH	9:30am – 10:45am	15-week
2468	MA130-8	TTH	11am – 12:15pm	15-week
1477	MA130-9	TTH	12:30pm – 1:45pm	15-week
1479	MA130-10	TTH	3:30pm – 5pm	13-week
1480	MA130-11	SAT	9am – 11:45am	14-week
1481	MA130-12	MW	5pm – 6:45pm	13-week

MA131 - Trigonometry with Analytic Geometry (3)

Prerequisite: A grade of C or better in MA 130

This class can be taken as a single semester course in Trigonometry with Analytic Geometry or as the second part of a two semester sequence (MA 130 and MA 131) to prepare for Calculus. Topics covered include a study of right triangle trigonometry, circular trigonometric functions, inverse trigonometric functions, trigonometric and inverse trigonometric identities, polar coordinates, parametric equations, Euler's formula, vectors and conic sections. Two of the following courses: MA 111, MA 130 and MA 131 may be taken for a maximum of 7 credits.

1482	MA131-1	TTH	11am – 12:15pm	15-week
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MA201 - Applied Calculus (3)

Gen Ed Math

Prerequisite: A grade of B or better in MA 82 or MA 85 or appropriate score on the mathematics placement test
A one-semester course for students in business, biology, social sciences, electronics and technical programs. Covers methods for finding the derivatives and integrals of algebraic and transcendental functions with applications in each program.

1483	MA201-1	MW	11am – 12:15pm	15-week
1484	MA201-2	TTH	2pm – 3:15pm	15-week
2469	MA201-ONL1	📖	Online Course	15-week

MA202 - Introduction to Discrete Mathematics (3)

Prerequisite: A grade of B or better in MA 82 or MA 85 or appropriate score on the mathematics placement test
For the mathematics and computer science student. Develops problem solving skills. Topics include sets and logic, elementary number theory, graph theory, matrices, algorithm design, mathematical induction and recursion.

1485	MA202-1	MW	12:30pm – 1:45pm	15-week
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MA206 - Elementary Statistics (3)

Gen Ed Math

MA 206 Prerequisite: MA 82 or MA 85 or MA 103 or MA 103A or BU/MA 205 or BU/MA 205A or MA 207 or MA 207A 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.

1494	MA206-1	MW	8am – 9:15am	15-week
1495	MA206-2	MW	9:30am – 10:45am	15-week
1497	MA206-3	MW	11am – 12:15pm	15-week
1498	MA206-4	MW	12:30pm – 1:45pm	15-week
1499	MA206-5	MW	2pm – 3:15pm	15-week
1500	MA206-6	TTH	8am – 9:15am	15-week
1496	MA206-7	TTH	11am – 12:15pm	15-week
2470	MA206-8	TTH	2pm – 3:15pm	15-week
1502	MA206-9	TTH	3:30pm – 4:45pm	15-week
1503	MA206-10	F	11am – 1:35pm	15-week
1504	MA206-11	T	6pm – 8:35pm	15-week
1505	MA206-12	W	6pm – 8:35pm	15-week
1506	MA206-13	TH	5:30pm – 8:05pm	15-week
1507	MA206-ONL1	📖	Online Course	15-week
1508	MA206-ONL2	📖	Online Course	15-week

MA206A - Elementary Statistics with Algebra (3) [5]

Gen Ed Math

MA 206A Prerequisite: A grade of C or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 70 or higher on the reading placement test

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.

1509	MA206A-1	MTWT	8am – 9:05am	15-week
1510	MA206A-2	MTWT	9:30am – 10:35am	15-week
1511	MA206A-3	MTWT	11am – 12:05pm	15-week
1512	MA206A-4	MTWT	12:30pm – 1:35pm	15-week
1513	MA206A-5	MTWT	2pm – 3:05pm	15-week
1514	MA206A-6	MTWT	3:30pm – 4:35pm	15-week
1515	MA206A-7	TTH	6pm – 8:10pm	15-week

Note: Students registering for MA 206A must also register for MA A - Instruction with Algebra

MA207 - Elementary Statistics with Probability (4)

Gen Ed Math

MA 207 Prerequisite: A grade of C or better in MA 82 or MA 85 or MA 103 or MA 103A or BU/MA 205 or BU/MA 205A or MA 206 or MA 206A or appropriate score on mathematics placement test

An introductory non-calculus statistics course 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 may not take both MA 206 and MA 207 for credit. Students can only receive credit for one of the following: MA 207 or MA 207A. Early Childhood Education and Elementary Education majors should take MA 207 (not MA 207A).

1517	MA207-1	MW	11am – 12:40pm	15-week
1518	MA207-2	TTH	1pm – 2:40pm	15-week
1519	MA207-HYB1	M	5pm – 6:40pm	15-week

MA207A - Elementary Statistics with Probability with Algebra (4) [6]

Gen Ed Math

MA 207 Prerequisite: A grade of C or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 70 or higher on the reading placement test.

An introductory non-calculus statistics course 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 may not take both MA 206 and MA 207 for credit. Students can only receive credit for one of the following: MA 207 or MA 207A. Early Childhood Education and Elementary Education majors should take MA 207 (not MA 207A).

2464	MA207A-1	MTWTH	12:30pm – 1:45pm	15-week
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Note: Students registering for MA 207A must also register for MA A - Instruction with Algebra.

MA210 - Calculus I (4)

Gen Ed Math

Prerequisite: Grade of C or better in MA 111 or grades of C or better in both MA 130 and MA 131

Presents the first course in the three-semester calculus sequence (MA 210, MA 211, MA 212). Designed for students in mathematics, science, engineering, medical and other technical programs. Topics covered include: functions, limits, continuity, the derivative concept, differentiation techniques (including product rule, quotient rule, chain rule and implicit differentiation), applications of the derivative, and definite and indefinite integral concepts. The Fundamental Theorem of Calculus is discussed and used in the context of introductory integration.

1521	MA210-1	MW	11am – 12:40pm	15-week
1522	MA210-2	TTH	9am – 10:40am	15-week
1523	MA210-3	TTH	1pm – 2:40pm	15-week
1524	MA210-4	TTH	5pm – 6:40pm	15-week
1525	MA210-ONL1		Online Course	15-week

MA211 - Calculus II (4)

Gen Ed Math

Prerequisite: MA 210

Presents the second of three courses in the calculus sequence. Topics include methods and applications of integration, improper integrals, sequences and series, Taylor approximations, polar functions, introduction to differential equations.

1526	MA211-1	MW	1pm – 2:40pm	15-week
1527	MA211-2	TTH	11am – 12:40pm	15-week
1528	MA211-3	TTH	5pm – 6:40pm	15-week
1529	MA211-ONL1		Online Course	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.

1531	MA212-1	MW	2pm – 3:40pm	15-week
1530	MA212-2	TTH	11am – 12:40pm	15-week

MA213 - Differential Equations (3)

Prerequisite: MA 211; Prerequisite or Corequisite: MA 214

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

1532	MA213-1	MW	2pm – 3:15pm	15-week
1533	MA213-2	TTH	5pm – 6:15pm	15-week

MA214 - Introduction to MatLab (1)

Prerequisite or Corequisite: MA 210

Provides an introduction to MatLab. It is designed to give students fluency in MatLab, including popular toolboxes. The course consists of interactive workshops with students doing sample MatLab problems in real time. Problem-based MatLab assignments are given which require significant time on MatLab.

1534	MA214-ONL1		Online Course	1st 5-week
1535	MA214-ONL2		Online Course	1st 5-week

MA218 - Linear Algebra (3)

Prerequisite: MA 210

Includes systems of linear equations, determinants, vectors in 2- and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors and applications.

1536	MA218-1	MW	9:30am – 10:45am	15-week
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MDA: Medical Assisting

MDA101 - Foundations of Medical Assisting I (3)

Prerequisite or Corequisite: MDA 109

Introduces the professional responsibilities of the administrative and clinical medical assistant. Emphasizes interpersonal communication, records management, administrative responsibilities, financial administration and patient care activities for the physician's office.

2136	MDA101-1	F	8am – 1:20pm	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.

2137	MDA102-1	F	8am – 1:20pm	2nd 7-week
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MDA107 - Phlebotomy for Allied Health Professionals (1)

Prerequisite: EN 52 or ESL 99

Develops skills in blood collection procedures using vacuum collection devices, syringes, capillary skin puncture, butterfly needles, blood culture, and syringe and IV collection. Collection of specimens from adults, children, and infants is discussed.

2138	MDA107-HYB1	M	6pm – 7:15pm	1st 7-week
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MDA108 - Basic Medical Terminology (1)

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

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

2139	MDA108-HYB1	M	1:30pm – 2:45pm	2nd 7-week
2141	MDA108-HYB2	M	7:45pm – 9pm	2nd 7-week
2140	MDA108-ONL1	📱	Online Course	1st 7-week

MDA109 - Medical Terminology (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

Teaches the basic principles of building and defining medical words. Students use techniques learned to develop an extensive medical terminology vocabulary. No previous knowledge of anatomy, physiology or pathology is necessary.

2142	MDA109-HYB1	T	11am – 12:15pm	15-week
2143	MDA109-HYB2	TH	2pm – 3:15pm	15-week
2144	MDA109-HYB3	M	7:45pm – 10:15pm	1st 7-week
2145	MDA109-ONL1	📱	Online Course	15-week
2146	MDA109-ONL2	📱	Online Course	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.

2147	MDA110-HYB1	TH	11am – 1:30pm	1st 7-week
2148	MDA110-ONL1	📱	Online Course	15-week

MDA112 - Medical/Administrative Office Applications (3)

Prerequisite or Corequisite: MDA 109

Covers the general flow of information in a medical office and the role that computers play in administrative tasks. Simulation software is used to reflect today's office environment such as variety in fee schedules, patient scheduling, and office hour organization. Students will perform additional office procedures including insurance claims and financial tasks.

2149	MDA112-HYB1	W	6:30pm – 8:30pm	2nd 7-week
2150	MDA112-ONL1	📱	Online Course	1st 7-week

MDA115 - Phlebotomy Skills (3)

Prerequisite: EN 52 or ESL 99

Develops skills in a variety of blood collection methods using proper techniques and standard precautions. Blood collection procedures performed include vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults. Collection of specimens from children and infants is discussed. Emphasis will be placed on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology.

2151	MDA115-HYB1	T	1pm – 3:15pm	2nd 7-week
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MDA202 - Medical Assisting Clinical Skills (3)

Prerequisite or Corequisite: MDA 201

Introduces the basic routine clinical skills and techniques required for assisting with patients in the medical office. Presents proper clinical techniques and theory behind each technique. Skills include (but are not limited to): collecting, handling, and examining laboratory specimens and using phlebotomy procedures according to OSHA regulations. Demonstrating use of clinical equipment including centrifuge and audiometer.

2152	MDA202-1	TTH	6:30pm – 8:45pm	1st 7-week
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MDA204 - Medical Assisting Clinical II (2)

Prerequisite or Corequisite: MDA 202

Provides students with supervised patient-care experience in the medical office. Emphasis is placed on enhancing competence in clinical and laboratory skills necessary for comprehensive patient care and strengthening professional communications and interactions.

2153	MDA204-1	ASG		1st 7-week
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MDA216 - Medical Coding Basics (3)

Prerequisite or Corequisite: CIS 101

Introduces the structure and conventions of diagnostic ICD (International Classification of Diseases) and procedural CPT (Current Procedural Terminology) coding. Covers a variety of medical specialties and coding issues encountered in healthcare providers' offices. Broadens medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

2155	MDA216-HYB1	TH	6:30pm – 8:30pm	1st 7-week
2154	MDA216-ONL1	📱	Online Course	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.

2157	MDA218-HYB1	TH	6:30pm – 8:30pm	2nd 7-week
2156	MDA218-ONL1	📱	Online Course	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.

2158	MDA220-ONL1	📱	Online Course	1st 7-week
2159	MDA220-ONL2	📱	Online Course	2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

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

Prepares students in allied health programs to enter the workforce with a basic understanding of federal healthcare programs and federal healthcare laws. The course will provide students with a knowledge of the populations receiving assistance from the government as well as identifying the federal laws that govern workers' provisions of health services laws.

2160	MDA222-ONL1	📱	Online Course	15-week
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MU: Music

MU101 - Introduction to Music History and Appreciation (3)

Gen Ed Arts

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

Presents a study of music masterpieces of the past and present through reading, listening and analysis.

1300	MU101-1	MW	9:30am – 10:45am	15-week
1301	MU101-2	TTH	11am – 12:15pm	15-week
1302	MU101-ONL1	📱	Online Course	15-week

MU103 - Fundamentals of Music (3)

Gen Ed Arts

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

Covers the basic elements of music for the interested student or prospective classroom teacher. Includes study of musical notation, terminology, major and minor scales, simple and compound meters, familiarity with the piano keyboard, intervals, triads, sight-singing, ear-training and simple dictation.

1303	MU103-1	MW	11am – 12:15pm	15-week
1304	MU103-2	TTH	12:30pm – 1:45pm	15-week
1305	MU103-3	M	6pm – 8:35pm	15-week
1315	MU103-ONL1	📱	Online Course	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.

1306	MU106-1	TTH	2:30pm – 3:20pm	15-week
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MU108 - Survey of World Music (3)

Gen Ed Arts, Cultural Competence; Gen Ed Multicultural Perspectives

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

Provides an introduction to the indigenous musical expressions of countries around the world, including African, Asian, Latin American, native North American and the Caribbean, emphasizing a global perspective and artistic interaction of world cultures. Considers origins, unique instruments, significant genres, notable artists, and cultural functions. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

1307	MU108-1	TTH	2pm – 3:15pm	15-week
1316	MU108-ONL1	📱	Online Course	15-week

MU109 - History of American Popular Music (3)

Gen Ed Arts

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

Surveys the development of American popular music in the 20th and 21st centuries, including the origins of both pop/rock styles, significant artists, cross-pollination with other genres, and impact on American culture. Selected pieces are examined in detail through directed listening. Topical writing assignments are required. Music reading skills unnecessary.

1308	MU109-1	TTH	9:30am – 10:45am	15-week
1317	MU109-ONL1	📱	Online Course	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.

1309	MU111-1	TTH	3:30pm – 4:45pm	15-week
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MU117 - Choral Ensemble I (1)

Presents a variety of choral literature as the basis for study and presentation. Students participate as members of the Choral Arts Society of Frederick. Three rehearsal hours weekly. Open to all students.

1310	MU117-1C	T	7:45pm – 10pm	15-week
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MU119 - Jazz Ensemble I (1)

Prerequisite: Permission of instructor

Presents great jazz literature as the basis for study and presentation. Three rehearsal hours weekly. Applied music in chosen instrument recommended concurrently.

1311	MU119-1	M	5pm – 7:15pm	15-week
1312	MU119-2C	W	7:45pm – 10pm	15-week

MU121 - Orchestral Ensemble I (1)

Prerequisite: Permission of instructor

Presents great orchestral music of the Baroque, Classical, Romantic and/or Contemporary musical eras. Applied music in chosen instrument recommended concurrently. Students participate as members of the Frederick Orchestra. Two rehearsal hours weekly.

1313	MU121-1C	TH	7:30pm – 9:30pm	15-week
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MU123 - Wind Ensemble I (1)

Prerequisite: Permission of instructor

Presents a variety of wind ensemble literature as the basis for further study and presentation. Three rehearsal hours weekly. Applied music instruction in chosen instrument recommended concurrently.

1314	MU123-1C	W	6:30pm – 9pm	15-week
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MU130 - Foundations of Audio Technology (3)

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

Introduces components of the recording process including a detailed analysis of the nature of sound, human hearing, and basic principles of electricity. Students will learn basic digital audio workstation operation and other skills required to work in the studio.

1376	MU130-1	TTH	11am – 12:15pm	15-week
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MU145 - Publishing, Licensing, and Copyrighting (3)

Prerequisites or Corequisite: EN 52 or ESL 99 or ESL 72

Examines music publishing, licensing, and copyright procedures used by the professional musician, music administrator, and music producer.

1377	MU145-1	MW	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.

1319	MU151-1C	M	12:30pm – 1:20pm	15-week
1320	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.

1321	MU152-1C	M	12:30pm – 1:20pm	15-week
1322	MU152-2C	W	12:30pm – 1:20pm	15-week

MU171 - Class Strings I (1)

Offered first semester for beginning students. One hour weekly.

Offered first semester for beginning students. One hour weekly.

1323	MU171-1	TH	7:45pm – 8:45pm	15-week
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MU206 - Aural and Keyboarding Skills III (1)

Prerequisite: MU 107; *Corequisite:* MU 211

A continuation of Aural and Keyboard Skills II, coordinated with material presented in Music Theory III, including secondary dominants, Neapolitan sixth chords, augmented sixth chords, ensemble work, conducting and more complex chord progressions.

1347	MU206-1	MW	3:30pm – 4:20pm	15-week
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MU211 - Music Theory III (3)

Prerequisite: MU 112; Corequisite: MU 206

A continuation of Music Theory II, with further work on modulations, dominant relationships, cadential identifications, extended part-writing procedures, four-part chorale analysis and writing, leading tone triads and diatonic seventh chords. Includes binary and ternary forms, characteristics of instrumental writing, the Neapolitan sixth chord and augmented sixth chords, harmonizations with all types of chords and figured bass symbols.

1348 MU211-1 MW 2pm – 3:15pm 15-week

MU217 - Choral Ensemble II (1)

Prerequisite: MU 117-118. Three rehearsal hours weekly.

Continuation of MU 117-118. Three rehearsal hours weekly.

1349 MU217-1C T 7:45pm – 10pm 15-week

MU219 - Jazz Ensemble II (1)

Prerequisite: MU 119 or MU 120

Continuation of MU 119-120. Three rehearsal hours weekly.

1350 MU219-1 M 7:30pm – 9:30pm 15-week

1351 MU219-2C W 7:45pm – 10pm 15-week

MU221 - Orchestral Ensemble II (1)

Prerequisite: MU 121 or MU 122

A continuation of MU 121-122. Three rehearsal hours weekly.

1352 MU221-1C TH 7:30pm – 9:30pm 15-week

MU223 - Wind Ensemble II (1)

Prerequisite: MU 123 or MU 124

A continuation of Wind Ensemble I. Three rehearsal hours weekly. Applied instruction in chosen instrument recommended concurrently.

1353 MU223-1C W 6:30pm – 9pm 15-week

MU230 - Studio Recording Techniques (3)

Prerequisite: MU 135

Focuses on contemporary recording techniques associated with popular music production. Topics include multi-track recording, overdubbing, MIDI, and project management.

2455 MU230-1 TTH 3:30pm – 4:45pm 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.

1378 MU240-1 TTH 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.

1354 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.

1355 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

Lynn Fleming–bass.....301.922.0398.....vlfleming@frederick.edu
Adam Gonzalez–cello.....301.219.4826.....agonzalez@frederick.edu
Laura Armstrong–clarinet/
saxophone/oboe.....443.615.1529.....larmstrong@frederick.edu
Jennifer Rundlett–flute.....240.675.0866.....jrundlett@frederick.edu
Mark Edwards–guitar.....334.538.0254.....medwards@frederick.edu
Michael Raitzyk–guitar.....410.905.3149.....mraitzyk@frederick.edu
Aaron Lovely–low brass.....703.401.8971.....alovely@frederick.edu
Greg Herron–percussion.....443.621.8694.....gherron@frederick.edu
Alice Lee–piano.....202.270.1667.....alee@frederick.edu
John Wickelgren–piano.....301.668.0355.....jwickelgren@frederick.edu
Lynn Staininger–piano/voice.....240.405.7382.....lstaininger@frederick.edu
Suk–Yi Hyun–piano.....240.421.7188.....shyun@frederick.edu
Howard Burns–saxophone.....301.788.3274.....hburns@frederick.edu
Jonathan Cresci–trumpet.....301.624.2844.....jcresci@frederick.edu
Fred Wilcox–violin/viola.....240.504.6974.....fwilcox@frederick.edu
Maryory Serrano–violin/viola.....540.664.4068.....mserrano@frederick.edu
David Loy–voice.....301.791.7730.....dloy@frederick.edu
Mary Gresock–voice.....301.879.2069.....mgresock@frederick.edu
Sterling Scroggins–voice.....202.966.4975.....sscroggins@frederick.edu

1st & 2nd Year Applied Music Courses

MU172 - First Year Piano (1)

1324 MU172-1 John Wickelgren 15-week
1325 MU172-2 Lynn Staininger 15-week
1326 MU172-3 Alice Lee 15-week
1327 MU172-4 Suk-Yi Hyun 15-week

MU174 - First Year Voice (1)

1329 MU174-1 Sterling Scroggins 15-week
1330 MU174-2 William Loy 15-week
1331 MU174-3 Mary Gresock 15-week
1332 MU174-4 Lynn Staininger 15-week

MU178 - First Year Brass (1)

1333 MU178-1 Aaron Lovely 15-week
1334 MU178-2 Jonathan Cresci 15-week

MU180 - First Year Woodwinds (1)

1336 MU180-1 Jennifer Rundlett 15-week
1337 MU180-2 Laura Armstrong 15-week

MU182 - First Year Strings (1)

1340 MU182-1 Fred Wilcox 15-week
1341 MU182-2 Flor Maryory Serrano Prada 15-week
1342 MU182-3 Adam Gonzalez 15-week
1343 MU182-4 Vivian Lynn Fleming 15-week

MU184 - First Year Guitar (1)

1344 MU184-1 Michael Raitzyk 15-week
1345 MU184-2 Mark Edwards 15-week

MU186 - First Year Percussion (1)

1346 MU186-1 Gregory Herron 15-week

MU272 - Second Year Piano (1)			
1356	MU272-1	John Wickelgren	15-week
1357	MU272-2	Lynn Staininger	15-week
1358	MU272-3	Alice Lee	15-week
1359	MU272-4	Suk-Yi Hyun	15-week

MU274 - Second Year Voice (1)			
1361	MU274-1	Sterling Scroggins	15-week
1362	MU274-2	William Loy	15-week
1363	MU274-3	Mary Gresock	15-week
1364	MU274-4	Lynn Staininger	15-week

MU278 - Second Year Brass (1)			
1365	MU278-1	Jonathan Cresci	15-week
1366	MU278-2	Aaron Lovely	15-week

MU280 - Second Year Woodwinds (1)			
1368	MU280-1	Jennifer Rundlett	15-week
1369	MU280-2	Laura Armstrong	15-week

MU282 - Second Year Strings (1)			
2400	MU282-1	Fred Wilcox	15-week
2401	MU282-2	Flor Maryory Serrano Prada	15-week
2402	MU282-3	Adam Gonzalez	15-week
2403	MU282-4	Vivian Lynn Fleming	15-week

MU284 - Second Year Guitar (1)			
1371	MU284-1	Michael Raitzyk	15-week
1372	MU284-2	Mark Edwards	15-week

MU286 - Second Year Percussion (1)			
1375	MU286-1	Gregory Herron	15-week

NM: Nuclear Medicine

NM100 - Physics and Radiation Safety in Nuclear Medicine Technology (5)

Prerequisite: acceptance into the clinical program

Introduces the atom and its structure within the context of Nuclear Medicine focusing on nuclear structure, stabilities, radioactive series, radioactive decay, and conversion laws and decay schemes. Radioactivity will be studied in terms of the exponential decay law, calculation of the mass of a radioactive sample, specific activity, half-life, and statistics of radioactive decay. The production of radionuclides will be presented with emphasis on methods of production and principles of a generator. Include regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality.

1031	NM100-1	W	9am – 1pm	15-week
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NM102 - Nuclear Medicine Technology (3)

Prerequisites: acceptance into the clinical program

Orientation to clinical nuclear medicine, includes medical terminology, professional ethics and conduct, patient care, radiation safety, and effect of radiation on living organisms.

1032	NM102-1	M	4:30pm – 7pm	15-week
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NM103 - Nuclear Medicine Techniques I (4)

Prerequisites: acceptance into the clinical program

Introduces all aspects of nuclear imaging related to skeletal, cardiac, respiratory, gastrointestinal, genitourinary, endocrine system, nervous system, and hematopoietic system as well as therapy procedures, oncology imaging, and infection imaging procedures. The procedures, protocols, instrumentation, and radiopharmaceuticals used in nuclear medicine imaging of these systems will be studied in detail. Some of the pathologic conditions imaged in Nuclear Medicine will also be presented.

1033	NM103-1	W	1:45pm – 5pm	15-week
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NM104 - Clinical Nuclear Medicine Technology I (1)

Prerequisite: acceptance into clinical program

Directed practice in a clinical affiliate hospital. Emphasizes routine diagnostic and therapeutic procedures. Daily image critiques by a licensed/certified technologist. On-site lectures by board certified nuclear medicine physicians supplement clinical experience.

1034	NM104-1	MF	8am – 4:30pm	15-week
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NM220 - CT Principles & Instrumentation (3)

Prerequisites: NM 204 and NM 205 OR grade of NMT program

Provides in-depth study of the physical principles and instrumentation in computed tomography. Covers the production of x-rays and their interactions with matter. Provides information on data acquisition and image reconstruction, processing, and quality. Addresses CT scanner components and operation, scanning factors, and their applications.

1035	NM220-1	T	5:30pm – 7:30pm	15-week
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NM222 - Cross-sectional Anatomy (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Provides in-depth coverage of cross-sectional anatomy to include the head, neck, chest, abdomen, pelvis, spine, and extremities. Students will become accustomed to viewing anatomy of regions of the body in the different anatomical planes typically produced in cross-sectional imaging. In addition, pathology will be covered as it relates to its presentation on axial images. Special emphasis will be placed upon correlating and recognizing anatomical structures as they appear on medical images produced with CT, MRI, nuclear medicine, and ultrasound.

1036	NM222-1	M	9am – 11am	15-week
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NM224 - CT Protocols & Applications (3)

Prerequisites: NM 204 and NM 205 OR graduate of NMT program

Covers the various imaging protocols utilized to produce anatomy and pathology on CT images specific to the central nervous system, neck musculoskeletal system, abdomen and pelvis, musculoskeletal system, thorax, and interventional and special procedures. The student will also become familiar with contrast administration guidelines and timing issues related to dynamic imaging. Spiral CT, 3D reconstruction procedures, and vascular imaging are discussed and compared with routine imaging of the same anatomical regions.

1037	NM224-1	Th	5:30pm – 7:30pm	15-week
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NU: Nursing

NU101 - Introduction to Clinical Nursing (6)

Cultural Competence

Prerequisites: BI 103, BI 104, BI 120; passing score on the Math for Medication Safety test

Introduces concepts of professional nursing. Emphasis is on the acquisition and application of basic knowledge, skills, and professional behaviors needed for the delivery of comprehensive care to the adult client.

1537	NU101-1LC	TW	8am – 11am	15-week
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Note: NU101-1LC meets on Tuesday for the first 7 weeks and meets on Wednesday for 15 weeks.

1538	NU101-2LC	WTH	12pm – 3pm	15-week
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Note: NU101-2LC meets on Thursday for the first 7 weeks and meets on Wednesday for 15 weeks.

1539	NU101-11LB	ASG		15-week
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Note: Students must register for one lecture (LC) and the lab (LB).

NU105 - Pharmacology for Nurses (2)

Prerequisite: Passing score on the Math for Medication Safety test

Provides instruction in basic pharmacology necessary for providing safe and effective medication administration. Content includes essential drug knowledge needed to adequately assess, administer, and evaluate drug effects in clients. Emphasis is on the acquisition and application of basic knowledge needed for the delivery of comprehensive care to clients in all healthcare settings.

2414	NU105-1	W	10am – 12pm	15-week
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2415	NU105-2	W	2pm – 4pm	15-week
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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.

1540	NU211-1LC	MT	5pm – 7pm	15-week
1541	NU211-11LB	ASG		15-week

Note: Students must register for the 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.

1542	NU212-1LC	M	8am – 10am	15-week
1543	NU212-2LC	M	12:30pm – 2:30pm	15-week
1544	NU212-11LB	ASG		15-week

Note: Students must register for the 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.

1545	NU213-1LC	W	5pm – 7pm	15-week
1546	NU213-11LB	ASG		15-week

Note: Students must register for the 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.

1547	NU214-1LC	M	10:15am – 12:15pm	15-week
1548	NU214-2LC	M	2:45pm – 4:45pm	15-week
1549	NU214-11LB	ASG		15-week

Note: Students must register for the 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.

1550	NU216-1LC	W	7:30pm – 9pm	15-week
1551	NU216-11LB	ASG		15-week

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

PC: Physical Science

PC103 - Elements of Physical Science (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

Covers selected aspects of earth science, physics, chemistry and the quantitative relationships involved in the behavior of matter. Uses simple experiments to introduce scientific topics as needed. Restricted to non-science majors. Students cannot receive credit for both PC 103 and PC 114.

1902	PC103-1	MW	8am – 9:15am	15-week
1903	PC103-2	TTH	6pm – 8:35pm	2nd 8-week
1904	PC103-ONL1		Online Course	15-week

PC104 - The Water Planet: Introduction to Oceanography (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1905	PC104-ONL1		Online Course	15-week
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PC104H - The Water Planet: Introduction to Oceanography (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1906	PC104H-1	W	12:30pm – 3:05pm	15-week
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PC105 - Introduction to the Science of Weather (3)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1907	PC105-1	TTH	8am – 9:15am	15-week
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PC106 - Introduction to Meteorology (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1908	PC106-ONL1		Online Course	15-week
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PC107 - Introductory Astronomy (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1909	PC107-1LC	M	9:30am – 12:05pm	15-week
1910	PC107-11LB	W	9:30am – 12pm	15-week
1911	PC107-2LC	T	6pm – 8:35pm	15-week
1912	PC107-21LB	TH	6pm – 8:30pm	15-week

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

1913	PC107-ONL1		Online Course	15-week
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PC108 - Historical Geology (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85

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.

1914	PC108-ONL1		Online Course	15-week
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PC109 - Physical Geology (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85
Presents an introduction to the physical and chemical processes that occur along the surface of the earth and within the earth's interior. Topics include plate tectonics, earthquakes, volcanoes, the rock cycle, and the origin and continual modification of surface features. Laboratory investigations include rock and mineral identification, data analysis, and map interpretation.

1915	PC109-1LC	M	9:30am – 12:05pm	15-week
1916	PC109-11LB	W	9:30am – 12pm	15-week

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

PC114 - Contemporary Physical Science (4)

Gen Ed Science

Prerequisites: [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 82 or MA 85
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.

1917	PC114-1LC	T	11am – 1:35pm	15-week
1918	PC114-11LB	TH	11am – 1:30pm	15-week
1919	PC114-2LC	W	5pm – 7:35pm	15-week
1920	PC114-21LB	M	5pm – 7:30pm	15-week

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

PC115 - Introduction to Geoscience (4)

Gen Ed Science

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

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.

1921	PC115-1LC	M	12:30pm – 3:05pm	15-week
1922	PC115-11LB	W	12:30pm – 3pm	15-week

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

1923	PC115-ONL1	📱	Online Course	15-week
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PE: Physical Education

PE108 - Body Mechanics (1)

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

1038	PE108-1	T	6pm – 8:30pm	1st 7-week
1039	PE108-2	T	6pm – 8:30pm	2nd 7-week

PE131 - Aerobics (1)

Offers muscular and cardiovascular endurance exercises performed to music.

1041	PE131-1	T	1pm – 2pm	15-week
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PE153 - Introduction to Health and Exercise Sciences (3)

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

Theory course for physical education majors. Includes an orientation to the profession, including the relationship of physical education to education, current trends and practices, career opportunities and areas of research.

1042	PE153-1	TTH	12:30pm – 1:45pm	15-week
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Note: Offered in the fall semester only.

PE154 - Fitness for Living (3)

Gen Ed Wellness

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

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

1043	PE154-1	MW	11am – 12:15pm	15-week
1044	PE154-2	MW	12:30pm – 1:45pm	15-week
1045	PE154-3	MW	2pm – 3:15pm	15-week
1046	PE154-5	TTH	9:30am – 10:45am	15-week
1047	PE154-6	TTH	11am – 12:15pm	15-week
1048	PE154-7	W	5pm – 7:35pm	15-week
1081	PE154-4	TTH	8am – 9:30am	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.

1050	PE160-1	W	1pm – 3pm	2nd 7-week
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PE161 - Psychology of Sport (3)

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

An exploration of the personality factors, including, but not limited to, motivation, aggression and emotion as they affect sports participation and motor skill performance.

1051	PE161-1	M	5pm – 7:35pm	15-week
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PE165 - Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

1052	PE165-1	M	8:30am – 10:30am	2nd 7-week
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PE166 - Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

1053	PE166-1	MW	11am – 12:15pm	2nd 7-week
1054	PE166-2	M	2pm – 3pm	15-week
1055	PE166-3	W	2pm – 3pm	15-week
1056	PE166-4	M	5pm – 7pm	2nd 7-week

PE179 - Tennis I (1)

Introduces the basic skills of tennis, including the basic grips, forehand and backhand groundstrokes, volleys and serves; covers the rules and etiquette of the sport.

1057	PE179-1	MW	11am – 12:15pm	1st 7-week
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Note: After first day, class will meet at the tennis courts.

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.

1058	PE181-1	T	5pm – 7pm	1st 7-week
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Note: After first day, class held offsite at Liberty Road Golf Center. \$8 fee per class (\$32 total) paid at site.

PE187 - Social Dance (1)

Provides instruction in the basic partner dance forms including such dances as the waltz, swing, two-step, cha-cha, polka and fox-trot. Other contemporary dances may be included.

1059	PE187-1	F	5pm – 7pm	1st 7-week
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Note: Class held at Ballroom Dance in Frederick located at 7313 Grove Rd Suite R, Frederick, MD 21704. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, both held at Ballroom Dance. 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.

1060	PE188-1	M	9:30am – 12pm	15-week
1062	PE188-2	F	9:30am – 12pm	15-week
1063	PE188-3	TTH	6pm – 8:35pm	1st 7-week
1064	PE188-HYB1	TH	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.

1066	PE190-1	TTH	9:30am – 10:45am	2nd 7-week
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PE191 - Body Sculpting (1)

Offers muscular strength and endurance exercises through the use of free weights, balls, and resistance tubes.

1067	PE191-1	M	12pm – 1pm	15-week
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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.

1068	PE193-1	F	5pm – 7pm	2nd 7-week
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Note: Class held at Ballroom Dance in Frederick located at 7313 Grove Rd Suite R, Frederick, MD 21704. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, both held at Ballroom Dance. There is no additional charge for the practice parties.

PE195 - Tai Chi (1)

Tai Chi is a unique and traditional Chinese exercise. The benefits of practice include strengthening health, preventing illness, and slowing the effects of aging. The class is designed to provide students with a basic knowledge and history of Tai Chi, and to provide an opportunity to learn and master Tai Chi skills.

1069	PE195-1	TTH	2pm – 3:15pm	3rd 5-week
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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.

1070	PE196-1	W	5pm – 7pm	1st 7-week
1071	PE196-2	W	5pm – 7pm	2nd 7-week

Note: Class held at Bowerhouse Academy located at 7311 Grove Rd Unit D, Frederick, MD 21704. Additional \$65 fee paid at site on first day of class. Use of gym facilities for duration of this course is included as well as a t-shirt, new pair of boxing gloves, and boxing hand wraps.

PE198A - Fitness: Boot Camp (1)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

1072	PE198A-1	TTH	12:30pm – 1:45pm	1st 7-week
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PE198C - Fitness: Zumba (1)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

1074	PE198C-1	TTH	11am – 12:15pm	1st 7-week
1075	PE198C-2	TTH	11am – 12:15pm	2nd 7-week

PE237 - Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

1083	PE237-1	M	8:30am – 10:30am	1st 7-week
1076	PE237-ONL1		Online Course	2nd 7-week

PE241 - Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

1077	PE241-1	TTH	11am – 12:15pm	2nd 7-week
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PE247 - Methods of Strength Training (1)

Designed for those who will be assisting others in a training program emphasizing muscular fitness. Emphasizes teaching methodologies employed in training programs that focus on muscular fitness. Students will apply teaching methodologies as they practice training with individuals or small groups.

1078	PE247-1	TTH	11am – 12:15pm	1st 7-week
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PE249 - Fitness Assessment and Business Practices (3)

Prerequisite or Corequisite: BI 103 or BI 107 or BI 117

Investigates the various modes and protocols used in fitness assessment and the relationship of assessment to the Personal Training business.

1079	PE249-1	TTH	2pm – 3:15pm	15-week
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Note: PE 249 Fitness Assessment and Business Practices is offered in the Fall Semester only.

PE250 - Care and Prevention of Athletic Injuries (3)

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

Introduces the basic principles for care and prevention of athletic injuries. Emphasis will be placed on scientific applications for recognition, diagnosis, classification, treatment and rehabilitation of body.

1080	PE250-1	MW	11am – 12:15pm	15-week
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PH: Philosophy

PH101 - Introduction to Philosophy (3)

Gen Ed Humanities

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

Surveys the major intellectual problems faced by great philosophers of all ages.

1379	PH101-1	MW	11am – 12:15pm	15-week
2456	PH101-2	TTH	9:30am – 10:45am	15-week
1380	PH101-3	TTH	2pm – 3:15pm	15-week
1381	PH101-ONL1		Online Course	1st 8-week
2457	PH101-ONL2		Online Course	2nd 8-week

PH204 - World Religions (3)

Gen Ed Humanities; Cultural Competence

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

Introduces the historical background, beliefs, scriptures and practices of the world's major religious traditions including Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shintoism, Judaism, Zoroastrianism, Christianity and Islam.

1382	PH204-1	MW	9:30am – 10:45pm	15-week
1383	PH204-2	MW	2pm – 3:15pm	15-week
1384	PH204-ONL1		Online Course	15-week

PH205 - Ethics (3)

Gen Ed Humanities

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

Introduces the problems and possibilities of moral philosophy and ethical decision making.

1385	PH205-1	TTH	12:30pm – 1:45pm	15-week
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PH206 - Logic (3)

Gen Ed Humanities

Prerequisites: 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.

1386	PH206-1	TTH	11am – 12:15pm	15-week
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PH207 - Biomedical Ethics (3)

Gen Ed Humanities

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

Explores some of the most troubling problems that health care professionals, physicians and lawyers as well as individual patients and their families are called upon to solve. Examines principles in biomedical ethics, as well as general ethical theories in major problem areas, including euthanasia and prolongation of life, genetics intervention, behavior control, experimenting with human subjects, etc.

2458	PH207-1	TTH	11am – 12:15pm	15-week
1387	PH207-ONL1		Online Course	15-week

PH208 - Business Ethics (3)

Gen Ed Humanities

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

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

1388	PH208-1	M	5:30pm – 8:05pm	15-week
1389	PH208-ONL1		Online Course	15-week

PH210 - Ethics and Film (3)

Gen Ed Humanities

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

Introduces philosophical reasoning through classic literature and film about morality (what one should do or be), ethics (why), the meanings of moral terms (called meta-ethics) in a variety of applied ethical issues (good character, global health, justice, neocolonialism, genocide, environmentalism, war, consumerism) and disciplines (bioethics, business ethics).

1390	PH210-1	W	12:30pm – 3:05pm	15-week
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Semester session dates

15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1

PI: Political Science

PI104 - American Government: National (3)

Gen Ed Political Science

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

Covers basic principles of the national government: structure, powers and operations of Congress; the presidency and the Supreme Court; citizenship, elections, political parties and pressure groups.

2301	PI104-1	TTH	12:30pm – 1:45pm	15-week
2302	PI104-2	M	6pm – 8:35pm	15-week
2303	PI104-ONL1		Online Course	13-week

PI206 - Civil Liberties (3)

Prerequisite: EN 52 or ESL 99 or ESL 72

Provides historical background, social and political issues and leading cases establishing the present rules regarding civil liberties today.

2304	PI206-1	TTH	2pm – 3:15pm	15-week
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PS: Psychology

PS101 - General Psychology (3)

Gen Ed Psychology

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

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

2305	PS101-1	MW	8am – 9:15am	15-week
2306	PS101-2	MW	9:30am – 10:45am	15-week
2307	PS101-3	MW	11am – 12:15pm	15-week
2308	PS101-4	MW	12:30pm – 1:45pm	15-week
2309	PS101-5	MW	2pm – 3:15pm	15-week
2311	PS101-6	TTH	8am – 9:15am	15-week
2312	PS101-7	TTH	9:30am – 10:45am	15-week
2313	PS101-8	TTH	11am – 12:15pm	15-week
2314	PS101-9	TTH	12:30pm – 1:45pm	15-week
2315	PS101-10	TTH	2pm – 3:15pm	15-week
2317	PS101-11	TTH	2pm – 4:30pm	2nd 8-week
2318	PS101-12	TTH	3:30pm – 4:55pm	13-week
2319	PS101-13	F	8am – 10:35am	15-week
2321	PS101-14	W	6pm – 9:05pm	13-week
2322	PS101-15	TH	6pm – 8:35pm	15-week
2323	PS101-ONL1		Online Course	15-week
2324	PS101-ONL2		Online Course	15-week
2445	PS101-ONL3		Online Course	15-week
2325	PS101-ONL4		Online Course	13-week
2344	PS101-ONL5		Online Course	2nd 8-week

PS101H - General Psychology (3)

Gen Ed Psychology

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

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

2446	PS101H-1	MW	11am – 12:15pm	15-week
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PS104 - Issues of Drug/Alcohol Use (3)

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

Presents a comprehensive study of the use of legal and illegal drugs; an analysis of the addictive and recovery process for individuals and families; a study of treatment modalities and 12-step groups; a study of the physiological and legal consequences of substance use and abuse.

2328	PS104-1	TTH	9:30am – 10:45am	15-week
2329	PS104-ONL1		Online Course	13-week

PS202 - Social Psychology (3)

Gen Ed Psychology

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

Explores the effects of the social environment upon the human organism through the study of interpersonal relationships, and the social influences on cognitive processes such as social perception, attribution, persuasion, prejudice and discrimination, aggression, prosocial behavior and group interaction.

2330	PS202-1	MW	9:30am – 10:45am	15-week
2331	PS202-2	TTH	3:30pm – 4:45pm	15-week
2332	PS202-3	M	6pm – 8:35pm	15-week
2333	PS202-ONL1		Online Course	13-week

PS204 - Psychology of Adolescence (3)

Prerequisite: PS 101

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

2336	PS204-1	MW	11am – 12:15pm	15-week
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PS205 - Psychology of Aging (3)

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

Introduces the normal physiological, psychological and sociological changes that occur during the life span. Emphasis on consequent behavior patterns and changing needs of the elderly. Includes study of adaptive processes, intervention techniques, strategies and availability of services.

2337	PS205-ONL1		Online Course	15-week
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PS206 - Abnormal Psychology (3)

Prerequisite: PS 101

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

2338	PS206-1	TTH	12:30pm – 1:45pm	15-week
2339	PS206-2	W	6pm – 8:35pm	15-week
2340	PS206-ONL1		Online Course	13-week

PS207 - Death and Dying (3)

Prerequisites: [(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.

2341	PS207-1	TTH	11pm – 12:15pm	15-week
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PS209 - Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)

Gen Ed Multicultural Perspectives; Cultural Competence

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

Introduces the scientific study of women as a multicultural group. Reviews material from the fields of psychology, sociology, anthropology, and medicine as it related to women. Particular effort will be made to address the experiences of women of varied races, ethnic groups, classes, national origins, and sexual orientations so that the whole concept of gender may be broadened to take these different experiences and different concerns into account.

2475	PS209-1	MW	11am – 12:15pm	15-week
2342	PS209-2	MW	12:30pm – 1:45pm	15-week
2343	PS209-3	TTH	9:30am – 10:45am	15-week

PY: Physics

PY201 - Fundamentals of Physics (4)

Gen Ed Science

Prerequisites: Completion of high school physics or PY 101 strongly recommended, and [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 111 or (MA 130 and MA 131)

Presents an introductory study of physics, with the fundamental principles of mechanics, dynamics and mechanical waves. Emphasizes problemsolving and modeling of physical systems.

1924	PY201-1LC	T	5pm – 7:35pm	15-week
1925	PY201-11LB	TH	5pm – 7:30pm	15-week

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

PY203 - Introductory Physics I (4)

Gen Ed Science

Prerequisites: Completion of high school physics or PY 101 strongly recommended, and [(EN 50A or EN 61) and EN 52] OR (ESL 95 and ESL 99) OR (ESL 72 and ESL 73), and MA 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.

1926	PY203-1LC	T	8am – 10:35am	15-week
1927	PY203-11LB	TH	8am – 10:30am	15-week
1928	PY203-2LC	M	5pm – 7:35pm	15-week
1929	PY203-21LB	W	5pm – 7:30pm	15-week

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

PY204 - Introductory Physics II (4)

Gen Ed Science

Prerequisites: PY 203, MA 211

Continues the study of fundamental principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics. The theoretical approach and use of calculus are continued.

1930	PY204-1LC	TH	5pm – 7:35pm	15-week
1931	PY204-11LB	T	5pm – 7:30pm	15-week

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

Physics Notes:

PY201-Fundamentals of Physics offered fall semester only.

PY202-Fundamentals of Physics offered spring semester only.

PY205-Modern Physics offered spring semester only.

RC: Respiratory Care

RC100 - Introduction to Respiratory Care (2)

Prerequisite: BI 103

Introduces respiratory care as a profession, including the healthcare environment and the respiratory care practitioner's role on the healthcare team. Specific topics include the holistic concept of patient care, psychosocial issues with particular attention to death and dying, medicolegal and ethical considerations of respiratory care, and professional interpersonal relationships. Topics also include medical terminology, infection control techniques, and physical assessment methods.

1084 RC100-1 MW 8am – 8:50am 15-week

RC102 - Fundamentals of Respiratory Care (4)

Prerequisite: BI 103

Introduces basic respiratory care modalities, including medical gas therapy, aerosol and humidity therapy, hyperinflation therapy, and bronchial hygiene therapy. Laboratory portion of the course provides practical experience performing procedures presented in the didactic portion of the course in a controlled laboratory setting.

1085 RC102-1LC MW 9:30am – 10:45am 15-week
1086 RC102-11LB T 2pm – 5pm 15-week
1087 RC102-12LB TH 2pm – 5pm 15-week

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

RC104 - Gas Exchange Physiology (2)

Prerequisite: BI 103

Focuses on the structure and function of the lung as related to gas exchange, diffusion, perfusion and ventilation-perfusion relationships. Emphasizes oxygen and carbon dioxide transport abnormalities in the gas exchange mechanisms. This will lead to and be integrated with clinical applications and interpretations of arterial blood-gas analysis.

1088 RC104-1 T 12pm – 1:40pm 15-week

RC202 - Neonatal and Pediatric Respiratory Care (3)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Provides an in-depth perspective of pediatric and neonatal respiratory care. Includes high-risk deliveries, abnormalities and diseases, and the interventions used. Discusses mechanical ventilation for the neonatal and pediatric patient. Students must satisfactorily complete competency tests on the operation of neonatal and pediatric ventilators.

1089 RC202-1LC W 8am – 9:40am 15-week
1090 RC202-11LB W 10am – 12pm 15-week
1091 RC202-12LB W 12pm – 2pm 15-week

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

RC204 - Cardiac Monitoring and Diagnostics (4)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Presents the theory, equipment, and techniques involved in cardiac monitoring. Recognition of normal values and normal waveforms will be emphasized as a reference for identifying abnormal and life threatening changes. Students must satisfactorily complete competency tests, including EKG monitoring and assembly of fluid filled monitoring systems.

1092 RC204-1LC M 9:30am – 12pm 15-week
1093 RC204-11LB M 12pm – 2pm 15-week
1094 RC204-12LB M 2pm – 4pm 15-week

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

RC206 - Pulmonary Diagnostics (2)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Includes a detailed analysis of all major parameters of ventilatory measurement as well as diagnostic significance of deviations from predicted normal values.

1095 RC206-1 W 2pm – 3:40pm 15-week

RC208 - Clinical Practicum III (2)

Prerequisites: RC 103, RC 105, RC 107, RC 110

Develops advanced skills in the critical care environment regarding management of the patient dependent upon mechanical ventilation. Practical experiences gained in hemodynamic monitoring. Students will rotate through operating rooms to observe thoracic and cardiovascular surgeries and intubations.

1096 RC208-1 TTH 7am – 2pm 15-week

Note: Held at hospital

SO: Sociology

SO101 - Introduction to Sociology (3)

Gen Ed Sociology

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

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

2352 SO101-1 MW 9:30am – 10:45am 15-week
2353 SO101-2 MW 11am – 12:15pm 15-week
2354 SO101-3 MW 12:30pm – 1:45pm 15-week
2355 SO101-4 MW 2pm – 3:15pm 15-week
2356 SO101-5 TTH 8am – 9:15am 15-week
2357 SO101-6 TTH 11am – 12:15pm 15-week
2358 SO101-7 TTH 12:30pm – 1:45pm 15-week
2359 SO101-8 TTH 3:30pm – 4:45pm 15-week
2360 SO101-9 F 10:50am – 1:25pm 15-week
2361 SO101-10 T 6pm – 9:05pm 13-week
2372 SO101-11 W 6pm – 8:35pm 15-week
2363 SO101-ONL1 📱 Online Course 15-week
2364 SO101-ONL2 📱 Online Course 15-week
2375 SO101-ONL3 📱 Online Course 13-week

SO102 - Social Problems (3)

Gen Ed Sociology; Cultural Competence

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

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

2366 SO102-1 MW 9:30am – 10:45am 15-week
2447 SO102-2 MW 2pm – 3:15pm 15-week
2365 SO102-3 TTH 2pm – 3:15pm 15-week
2367 SO102-ONL1 📱 Online Course 13-week

SO201 - Criminology (3)

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

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

2368 SO201-1 TTH 2pm – 3:15pm 15-week
2369 SO201-2 TH 6pm – 8:35pm 15-week
2370 SO201-ONL1 📱 Online Course 13-week

SO202 - Marriage and Family (3)

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

Presents a comparative analysis of family organization in different societies, with reference to the urban family of Western society. Explores basic causes of change and trends in family structure and function. Topics include mate selections, marriage vows, marital prediction and child-rearing practices.

2371 SO202-1 M 6pm – 8:35pm 15-week

ST: Surgical Technology

ST100 - Fundamentals of Surgical Technology I (6)

Additional fee: \$100

Prerequisite: ST 120

Develops concepts, skills and attitudes needed by students to perform as members of a surgical team. Demonstration of competence in basic skills is essential. Simulated practice time in FCC's lab and in operating room settings along with didactic instruction prepare the student for the clinical practicum component of this course.

1099	ST100-1LC	M	8am – 3pm	10-week
1100	ST100-11LB	WTH	8am – 8pm	10-week
1101	ST100-12LB	WTHF	6:45am – 3pm	10-week

Note: Students must register for the lecture (LC) and both labs (LB).

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.

1102	ST101-1LC	T	8am – 2pm	10-week
1103	ST101-11LB	T	2pm – 4pm	10-week

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

ST120 - Surgery Essentials (3)

Additional fee: \$425

Prerequisites: MDA 108 or MDA 109, BI 103 and BI 104

Provides an introduction to the surgical environment and to the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

1097	ST120-1LC	MT	8am – 3pm	1st 5-week
1098	ST120-11LB	WTH	8am – 8pm	1st 5-week

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

ST200 - Fundamentals of Surgical Technology II (12)

Additional fee: \$250

Prerequisite: ST 100

Provides the student with theory and practice related to the dynamic role of the surgical technologist in classroom, laboratory, and clinical settings. Preceptored clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

1104	ST200-1LC	M	3pm – 7pm	15-week
1105	ST200-11LB	WTHF	6:45am – 3pm	15-week
1106	ST200-12LB	THF	8am – 2pm	15-week

Note: Students must register for the lecture (LC) and both labs (LB).

THR: Theater

THR101 - Introduction to Theatre (3)

Gen Ed Arts

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

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

1391	THR101-1	MW	9:30am – 10:45am	15-week
1392	THR101-2	TTH	11am – 12:15pm	15-week

THR102 - Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

1393	THR102-1	MW	11am – 12:15pm	15-week
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THR104 - Improvisation I (3)

Provides students with a basic overview of modern improvisation techniques. Emphasis will be placed on techniques used to build an actor's confidence, creativity, critical thinking, and team building. Course offers an introduction of improvisation as a tool for professional auditions and performances.

1394	THR104-EX1	TTH	2pm – 3:15pm	15-week
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THR121 - Stagecraft (3)

Explores all technical aspects of play production, with emphasis on set construction, scene painting, properties and stage lighting. Provides laboratory experience in conjunction with campus theater productions.

1395	THR121-1	TH	3:30pm – 6:05pm	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.

1398	THR203-1C	MW	12:30pm – 1:45pm	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.

1396	THR204-1	TBA		15-week
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THR205 - Acting Survey (1)

Students participate in a campus theater production as a member of the cast. May be taken for credit three times.

1397	THR205-1	TBA		15-week
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THR206 - Advanced Acting (3)

Concentrates on characterization and dramatic improvisation.

1399	THR206-1C	MW	12:30pm – 1:45pm	15-week
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THR207 - Improvisation II (3)

Prerequisite: THR 104

Provides students with an advanced overview of modern improvisation techniques. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and learn team building skills. Course offers an in-depth exploration of improvisation as a tool for professional auditions, performance, and character building.

1400	THR207-EX1	TTH	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.

1401	THR212-1	TBA		15-week
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Semester session dates

Semester session dates			
15-week session	8/22–12/9	1st 5-week session	8/22–9/26
14-week Saturday session	8/27–12/10	2nd 5-week session	9/27–10/31
13-week session	9/6–12/10	2nd 7-week session	10/18–12/10
10-week session	9/28–12/11	2nd 7-week Saturday	10/22–12/10
1st 8-week session	8/22–10/17	2nd 8-week session	10/11–12/10
1st 7-week session	8/22–10/10	3rd 5-week session	11/1–12/10
1st 7-week Saturday	8/27–10/15	For closings & breaks	See page 1



Our new Learning Commons gives students a state-of-the-art facility where they can collaborate and work toward their future.





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.

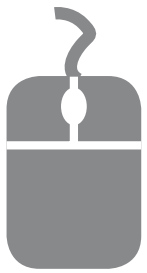
Email Advising (emailadvising@frederick.edu): If you are unable to come on campus for advising services, Email Advising is available to all current FCC students using their <http://myfcc.frederick.edu> email accounts. Please provide your full name and Student ID number. Typical response time is 24-48 hours depending on the information requested.

Online and Hybrid Orientation

**August 18 at 7:00 pm
Room E-126**

No registration necessary.

Learn about the special demands of online learning, meet with faculty, and preview an actual online course. Students will need to contact the Distributed Learning office for permission to register in an online section after the third day of courses.



2016

Online & Hybrid Courses

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

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

ACCT: Accounting

ACCT100 - Business Accounting (3)

1934 ACCT100-HYB1 SAT 8:30am – 12:30pm 1st 7-week S

ACCT101 - Principles of Accounting I (3)

1944 ACCT101-HYB1 T 6pm – 8:35pm 1st 7-week

1945 ACCT101-ONL1 Online Course 15-week

ACCT102 - Principles of Accounting II (3)

1949 ACCT102-HYB1 T 6pm – 8:35pm 2nd 7-week

1950 ACCT102-ONL1 Online Course 15-week

ACCT111 - Microcomputer Software Applications: Computerized Accounting (3)

1951 ACCT111-HYB1 SAT 9am – 12pm 2nd 7-week S

1952 ACCT111-HYB2 M 7:45pm – 9:15pm 15-week

ACCT201 - Intermediate Accounting I (4)

1953 ACCT201-HYB1 M 5pm – 7:05pm 15-week

ACCT203 - Managerial Cost Accounting (3)

1955 ACCT203-ONL1 Online Course 15-week

ACE: Academic and Career Engagement

ACE111A - Introduction to Career Planning (1)

2410 ACE111A-ONL1 Online Course 1st 8-week

AN: Anthropology

AN101 - Introduction to Anthropology (3)

2164 AN101-ONL1 Online Course 13-week

AR: Art

AR100 - Introduction to the Creative Arts (3)

1114 AR100-ONL1 Online Course 15-week

1402 AR100-ONL2 Online Course 15-week

AR101 - Two Dimensional Art and Design (3)

1121 AR101-HYB1 TBA 15-week

AR104 - Survey of Art I (3)

1126 AR104-ONL1 Online Course 15-week

AR105 - Survey of Art II (3)

1128 AR105-ONL1 Online Course 15-week

ASLS: American Sign Language Studies

ASLS106 - Introduction to the Deaf Community (3)

1178 ASLS106-ONL1 Online Course 15-week

ASLS107 - Introduction to Deaf History (3)

1182 ASLS107-ONL1 Online Course 15-week

BI: Biological Science

BI100 - Fundamental Concepts of Biology (4)

1748 BI100-HYBC Online Course 15-week

1749 BI100-HYBB M 6pm – 8:30pm 15-week

BI120 - Microbiology for Allied Health (4)

1829 BI120-HYBC Online Course 15-week

1830 BI120-HYBB MW 12:30pm – 1:45pm 15-week

BI130 - Forensic Biology (4)

1839 BI130-ONL1 Online Course 15-week

BI140 - Biotechnology and Society (3)

1841 BI140-ONL1 Online Course 15-week

BI203 - Elements of Microbiology (4)

1848 BI203-HYBC Online Course 15-week

1849 BI203-HYBB MW 2pm – 3:15pm 15-week

BI220 - Cell Biology and Tissue Culture (4)

1850 BI220-HYBC Online Course 15-week

1851 BI220-HYBB M 6pm – 8:30pm 15-week

BLD: Building Trades

BLD101 - Introduction to Building Trades (3)

1552 BLD101-HYB1 W 6pm – 8:30pm 1st 7-week

BLD109 - Fundamentals of HVACR (4)

1554 BLD109-HYB1 MW 9am – 12pm 1st 7-week

1555 BLD109-HYB2 MW 6pm – 9pm 1st 7-week

BLD110 - Controls for HVACR (3)

1557 BLD110-HYB1 MW 9am – 11:30am 2nd 7-week

1558 BLD110-HYB2 MW 6pm – 8:30pm 2nd 7-week

BLD113 - HVAC Installation & Troubleshooting (3)

2472 BLD113-HYB1 TTH 6pm – 8:30pm 1st 7-week

BLD114 - Fossil Fuels & Hydronic Heating (3)

1559 BLD114-HYB1 TTH 6pm – 8:30pm 2nd 7-week

BLD141 - Fundamentals of Structural Wiring (4)

1565 BLD141-HYB1 TTH 6pm – 9pm 1st 7-week

BLD142 - Residential Electric (3)

1567 BLD142-HYB1 TTH 6pm – 8:30pm 2nd 7-week

BLD145 - Commercial Electric (3)

2474 BLD145-HYB1 MW 6pm – 8:30pm 1st 7-week

BLD146 - Specialized Systems (3)

1568 BLD146-HYB1 MW 6pm – 8:30pm 2nd 7-week

BPM: Bioprocessing Technology

BPM102 - Bioprocessing Environment (3)				
1852	BPM102-ONL1		Online Course	15-week
BPM110 - Bioprocessing Measurements (4)				
1854	BPM110-HYBC		Online Course	2nd 7-week
1855	BPM110-HYBB	TTH	10:30am – 1:15pm	2nd 7-week
BPM214 - Techniques in Bioproduction (4)				
1856	BPM214-HYBC		Online Course	15-week
1857	BPM214-HYBB	W	6pm – 8:30pm	15-week

BU: Business Studies

BU103 - Introduction to Business (3)				
1965	BU103-HYB1	F	9:30am – 12:05pm	2nd 7-week
1967	BU103-HYB2	T	6pm – 8:35pm	2nd 7-week
1968	BU103-HYB3	W	6pm – 8:35pm	1st 7-week
1969	BU103-ONL1		Online Course	15-week
1970	BU103-ONL2		Online Course	1st 7-week
1971	BU103-ONL3		Online Course	2nd 7-week

BU109 - Entrepreneurship & Small Business Enterprise (3)				
1972	BU109-HYB1	T	6pm – 8:35pm	1st 7-week
1973	BU109-HYB2	T	6pm – 8:35pm	2nd 7-week

BU110 - Personal Financial Management (3)				
1974	BU110-ONL1		Online Course	15-week

BU211 - Business Law I (3)				
1976	BU211-HYB1	TH	6pm – 8:35pm	1st 7-week
1977	BU211-ONL1		Online Course	15-week

BU221 - Public Relations (3)				
1978	BU221-ONL1		Online Course	15-week

BU223 - Human Resource Management (3)				
1979	BU223-ONL1		Online Course	15-week

BU225 - Marketing (3)				
1981	BU225-HYB1	W	6pm – 8:35pm	2nd 7-week
1982	BU225-ONL1		Online Course	15-week

BU227 - Principles of Management (3)				
1983	BU227-HYB1	M	6pm – 8:35pm	1st 7-week
1984	BU227-ONL1		Online Course	15-week

BU272 - Supervisory Management (3)				
1985	BU272-ONL1		Online Course	15-week

BU273 - Business Communications (3)				
1987	BU273-ONL1		Online Course	15-week

BU274 - Customer Relations (3)				
1989	BU274-ONL1		Online Course	15-week

BU281 - Global Awareness in the Work Environment (3)				
1991	BU281-ONL1		Online Course	15-week

BU/MA: Business/Mathematics

2461	BU/MA205-ONL1		Online Course	15-week
2462	BU/MA205-ONL2		Online Course	15-week
2463	BU/MA205-ONL3		Online Course	15-week

CAD: Computer Aided Design

CAD101 - Introduction to AutoCAD I (3)				
1993	CAD101-HYB1	M	5pm – 7:35pm	1st 7-week
CAD102 - Introduction to AutoCAD II (3)				
2484	CAD102-HYB1	M	5pm – 7:35pm	2nd 7-week
CAD130 - Introduction to Revit (BIM) (3)				
1996	CAD130-HYB1	TH	5pm – 7:35pm	1st 7-week
CAD204 - Introduction to Inventor (3)				
1999	CAD204-HYB1	W	5pm – 7:35pm	2nd 7-week

CH: Chemistry

CH101 - General Chemistry (4)				
1882	CH101-HYBC		Online Course	15-week
1883	CH101-HYBB	M	5pm – 7:30pm	15-week
1884	CH101-ONL1		Online Course	15-week

CIS: Computer and Information Sciences

CIS101 - Information Systems and Technology (3)				
2021	CIS101-HYB1	F	12pm – 2pm	10-week
2023	CIS101-HYB2	M	5pm – 7:30pm	2nd 7-week
2022	CIS101-HYB3	M	7:45pm – 9:15pm	15-week
2024	CIS101-HYB4	W	7:45pm – 9:15pm	10-week
2025	CIS101-ONL1		Online Course	15-week
2026	CIS101-ONL2		Online Course	15-week
2027	CIS101-ONL3		Online Course	13-week
2028	CIS101-ONL4		Online Course	10-week
2029	CIS101-ONL5		Online Course	2nd 7-week

CIS103A - Introductory Keyboarding (3)				
2030	CIS103A-HYB1	MW	2pm – 3:15pm	10-week

CIS106 - Object Design and Programming (3)				
2038	CIS106-HYB1	M	6:30pm – 9pm	10-week
2039	CIS106-HYB2	T	5pm – 6:30pm	15-week
2040	CIS106-HYB3	W	6:30pm – 9pm	10-week
2041	CIS106-HYB4	TH	5pm – 6:30pm	15-week

CIS111A - Microcomputer Software Applications: Word Processing (3)				
2042	CIS111A-ONL1		Online Course	10-week

CIS111E - Microcomputer Software Applications: Spreadsheets (3)				
2044	CIS111E-HYB1	MW	12:30pm – 1:45pm	2nd 7-week
2045	CIS111E-HYB2	TH	6:30pm – 9pm	2nd 7-week
2046	CIS111E-ONL1		Online Course	13-week

CIS111J - Microcomputer Software Applications: Web Page Development (3)				
2417	CIS111J-HYB1	T	7:15pm – 9:15pm	10-week

CIS111K - Microcomputer Software Applications: Practical Structured Cabling (3)				
2476	CIS111K-HYB1	M	7:45pm – 9pm	13-week

CIS111L - UNIX/Linux Operating System (3)				
2047	CIS111L-HYB1	W	5pm – 6:15pm	15-week
2418	CIS111L-ONL1		Online Course	10-week

CIS111M - PC Operating Systems (3)

2048	CIS111M-HYL1	M	2:15pm – 3:30pm	15-week
2049	CIS111M-HYL2	T	6:30pm – 7:45pm	15-week
2050	CIS111M-HYL3	W	3:15pm – 4:30pm	15-week
2477	CIS111M-HYL4	W	6pm – 7:15pm	15-week
2051	CIS111M-HYL5	TH	6:30pm – 7:45pm	15-week
2052	CIS111M-ONLK	📱	Online Course	2nd 7-week

CIS111R - Business Software Applications (3)

2053	CIS111R-ONL1	📱	Online Course	10-week
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CIS116C - Microcomputer Software Applications: Presentation Graphics (1)

2054	CIS116C-ONL1	📱	Online Course	10-week
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CIS116E - MS Applications Spreadsheets (1)

2056	CIS116E-ONL1	📱	Online Course	3rd 5-week
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CIS116F - Microcomputer Software Applications: Computer Fundamentals (1)

2421	CIS116F-HYB1	W	2pm – 3:15pm	2nd 5-week
2057	CIS116F-HYB2	TH	5pm – 6:15pm	1st 5-week
2058	CIS116F-ONL1	📱	Online Course	2nd 5-week

CIS140 - Java Programming (3)

2060	CIS140-HYB1	TH	6:45pm – 9pm	13-week
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CIS170 - Security Fundamentals (3)

2061	CIS170-HYB1	W	9:30am – 11:55am	2nd 7-week
2062	CIS170-HYB2	T	6:30pm – 9pm	2nd 7-week
2063	CIS170-ONL1	📱	Online Course	2nd 7-week

CIS173 - Healthcare Information Technology (3)

2064	CIS173-ONL1	📱	Online Course	2nd 7-week
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CIS175 - Game Theory and Design (3)

2065	CIS175-HYB1	T	5pm – 7pm	10-week
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CIS176 - Game Creation (3)

2066	CIS176-HYB1	T	7:15pm – 9:15pm	10-week
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CIS177 - Interactive 3D Technology (3)

2067	CIS177-HYB1	M	5pm – 7:15pm	1st 7-week
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CIS178 - 3D Modeling and Animation (3)

2068	CIS178-HYB1	M	5pm – 7:15pm	2nd 7-week
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CIS179 - Cybersecurity Fundamentals (3)

2422	CIS179-HYB1	W	12:30pm – 1:45pm	15-week
2069	CIS179-HYB2	M	5pm – 6:15pm	15-week
2070	CIS179-ONL1	📱	Online Course	2nd 7-week

CIS180 - Networking Fundamentals (3)

2071	CIS180-HYB1	W	9:30am – 11:55am	1st 7-week
2072	CIS180-HYB2	T	6:30pm – 9pm	1st 7-week
2073	CIS180-ONL1	📱	Online Course	1st 7-week

CIS190 - Cisco 1 Network Fundamentals (3)

2074	CIS190-ONL1	📱	Online Course	1st 7-week
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CIS191 - Cisco 2 Routing Technologies (3)

2075	CIS191-ONL1	📱	Online Course	2nd 7-week
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CIS192 - Cisco 3 Switching Technologies (3)

2076	CIS192-HYB1	M	5pm – 7:30pm	1st 7-week
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CIS193 - Cisco 4 WAN Technologies (3)

2077	CIS193-HYB1	M	5pm – 7:30pm	2nd 7-week
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CIS200 - IT Support Services (3)

2423	CIS200-ONL1	📱	Online Course	2nd 7-week
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CIS201 - Computer Science I (4)

2078	CIS201-HYB1	TTH	11am – 12:15pm	15-week
2079	CIS201-HYB2	T	6:45pm – 9pm	15-week

CIS202 - Computer Science II (4)

2080	CIS202-HYB1	W	5pm – 7pm	15-week
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CIS203 - Systems Analysis & Design (3)

2081	CIS203-HYB1	W	2pm – 3:15pm	15-week
2424	CIS203-ONL1	📱	Online Course	13-week

CIS204 - Computer & Information Sciences Project (3)

2083	CIS204-ONL1	📱	Online Course	13-week
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CIS208 - C++ Programming (3)

2084	CIS208-HYB1	TH	5pm – 7pm	13-week
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CIS210 - Data Communications and working (3)

2085	CIS210-HYB1	TH	6:30pm – 9pm	1st 7-week
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CIS212 - PC Repair & Diagnostics (3)

2086	CIS212-HYL1	M	3:30pm – 4:45pm	15-week
2087	CIS212-HYL2	T	7:45pm – 9pm	15-week
2088	CIS212-HYL3	W	4:30pm – 5:45pm	15-week
2478	CIS212-HYL4	W	7:15pm – 8:30pm	15-week
2089	CIS212-HYL5	TH	7:45pm – 9pm	15-week
2090	CIS212-ONLK	📱	Online Course	1st 7-week

CIS217 - Cybercrime and Digital Forensics Investigation (3)

2092	CIS217-HYB1	TH	5pm – 7:30pm	1st 7-week
2091	CIS217-ONL1	📱	Online Course	10-week

CIS218 - Information Security & Assurance (3)

2094	CIS218-HYB1	TH	6:45pm – 8:15pm	15-week
2095	CIS218-ONL1	📱	Online Course	10-week

CIS219 - Ethical Hacking and Systems Defense (3)

2096	CIS219-HYB1	W	6:30pm – 7:45pm	15-week
2097	CIS219-ONL1	📱	Online Course	10-week

CIS222 - Computer Organization (4)

2098	CIS222-HYB1	W	7:15pm – 8:30pm	10-week
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CIS223 - Cloud Security (3)

2099	CIS223-HYB1	W	8pm – 9:15pm	15-week
2425	CIS223-ONL1	📱	Online Course	10-week

CIS224 - Wireless Communications (3)

2100	CIS224-HYB1	TH	6:30pm – 9pm	2nd 7-week
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CIS225A - Computer Programming Language: PHP (3)

2101	CIS225A-HYB1	TH	7:15pm – 9:15pm	10-week
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CIS225C - Computer Programming Language: Mobile Applet Programming (3)

2426	CIS225C-HYB1	M	5pm – 6:15pm	10-week
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CIS227 - Game Programming (4)

2103	CIS227-HYB1	W	5pm – 7pm	10-week
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CIS230 - Database Management Systems (3)
 2479 CIS230-HYB1 T 5pm – 7pm 10-week

CJ: Criminal Justice

CJ101 - Introduction to Criminal Justice (3)
 2170 CJ101-ONL1  Online Course 13-week

CJ204 - Police Operational Services (3)
 2176 CJ204-ONL1  Online Course 13-week

CJ214 - The Correctional Process (3)
 2429 CJ214-ONL1  Online Course 13-week

CMM: Communications Media

CMM101 - Introduction to Electronic Media (3)
 1188 CMM101-ONL1  Online Course 15-week
 1189 CMM101-ONL2  Online Course 2nd 8-week

CMM103 - Introduction to Film (3)
 1194 CMM103-ONL1  Online Course 15-week
 1195 CMM103-ONL2  Online Course 2nd 8-week

CMSP: Communications Speech


CMSP103 - Speech Fundamentals (3)
 1241 CMSP103-ONL1*  SAT/Online Course 15-week

*Note: Four mandatory on-campus meetings: Saturday, TBD


CMSP105 - Small Group Communication (3)
 2396 CMSP105-HYB1 TH 12:30pm – 3pm 15-week


CMSP107 - Career Communication (3)
 1266 CMSP107-ONL1  Online Course 15-week

CON: Construction Management

2105 CON101-ONL1  Online Course 15-week

EC: Economics

EC201 - Principles of Economics (3)
 2117 EC201-HYB1 SAT 9am – 11:35am 2nd 7-week S
 2118 EC201-HYB2 M 6pm – 8:35pm 1st 7-week
 2119 EC201-HYB3 T 6pm – 8:35pm 2nd 7-week
 2120 EC201-ONL1  Online Course 15-week

EC202 - Principles of Economics (3)
 2124 EC202-HYB1 M 6pm – 8:35pm 2nd 7-week
 2125 EC202-ONL1  Online Course 15-week

ECD: Early Childhood Development

ECD101 - Introduction to Early Childhood Education (3)
 2193 ECD101-ONL1  Online Course 15-week

ECD104 - Activities I for Children (3)
 2196 ECD104-HYB1 M 6pm – 8:30pm 2nd 7-week

ECD106 - Infants & Toddlers Development and Care (3)
 2197 ECD106-HYB1 W 6pm – 8:30pm 1st 7-week

ECD107 - Child Health, Safety and Nutrition (3)
 2201 ECD107-ONL1  Online Course 15-week

ECD108 - Activities for the School-Age Child (3)
 2203 ECD108-HYB1 M 6pm – 8:30pm 1st 7-week

ECD212 - Administration of Child Development Centers (3)
 2199 ECD212-HYB1 SAT 9am – 1:15pm 2nd 7-week S

ED: Education

ED100 - Child Development & Behavior (3)
 2220 ED100-ONL1  Online Course 15-week

ED102 - Schools and Society (3)
 2210 ED102-ONL1  Online Course 15-week

ED202 - Educational Psychology (3)
 2213 ED202-ONL1  Online Course 15-week


ED203 - Foundations of Special Education (3)
 2215 ED203-ONL1  Online Course 15-week

ED214 - Processes and Acquisition of Reading (3)
 2218 ED214-ONL1  Online Course 15-week





ED/PS: Education/Psychology




ED/PS208 - Human Growth and Development (3)
 2230 ED/PS208-ONL1  Online Course 15-week
 2231 ED/PS208-ONL2  Online Course 15-week
 2233 ED/PS208-ONL3  Online Course 2nd 8-week
 2237 ED/PS208-ONL4  Online Course 2nd 8-week

EM: Emergency Management

EM120 - Homeland Security (3)
 2376 EM120-ONL1  Online Course 2nd 8-week

EN: English

EN101 - English Composition (3)
 1657 EN101-ONL1  Online Course 15-week
 1658 EN101-ONL2  Online Course 15-week
 1659 EN101-ONL3  Online Course 1st 8-week
 1660 EN101-ONL4  Online Course 2nd 8-week

EN102 - English Composition and Literature (3)
 1701 EN102-ONL1  Online Course 15-week
 1702 EN102-ONL2  Online Course 15-week
 1703 EN102-ONL3  Online Course 1st 8-week

EN115 - Technical Writing (3)
 1704 EN115-ONL1  Online Course 15-week


EN216 - The Short Story (3)
 2419 EN216-ONL1  Online Course 15-week

EN231 - English Language Studies (3)
 1715 EN231-ONLC  Online Course 15-week

EN231H - English Language Studies (3)
 1716 EN231H-ONLC  Online Course 15-week

GG: Geography



GG101 - Elements of Geography (3)
2239 GG101-ONL1  Online Course 13-week



GG102 - Cultural Geography (3)
2242 GG102-ONL1  Online Course 13-week

HE: Health Education

HE102 - Nutrition in a Changing World (3)
1008 HE102-ONL1  Online Course 15-week
1009 HE102-ONL2  Online Course 15-week
1010 HE102-ONL3  Online Course 1st 8-week
1011 HE102-ONL4  Online Course 2nd 8-week

HE110 - Nutrition Basics (1)
1013 HE110-ONL1  Online Course 1st 7-week

HE201 - Stress Management (3)
1022 HE201-ONL1  Online Course 15-week
1023 HE201-ONL2  Online Course 15-week

HE204 - Health Education (3)
1029 HE204-ONL1  Online Course 15-week
1030 HE204-ONL2  Online Course 15-week

HI: History

HI101 - History of Western Civilization (3)
2247 HI101-ONL1  Online Course 13-week

HI201 - History of the United States (3)
2255 HI201-ONL1  Online Course 13-week

HI202 - History of the United States (3)
2261 HI202-ONL1  Online Course 13-week

HOS: Hospitality

HOS215 - Catering and Event Management (3)
2132 HOS215-HYB1 TH 6pm – 8:35pm 1st 7-week

HOS216 - Food and Beverage Operations (3)
2133 HOS216-HYB1 T 6pm – 8:35pm 2nd 7-week


HS: Human Services

HS102 - Human Relations (3)
2280 HS102-ONL1  Online Course 15-week

HS204 - Ethics & Practice Issues in the Human Services (1)
2284 HS204-HYB1 F 1:30pm – 3:30pm 15-week

ID: Interdisciplinary Studies

ID209 - Ethnic Diversity (3)
2290 ID209-ONL1  Online Course 15-week

ID225 - Disaster, Crisis and Emergency Management (3)
2378 ID225-ONL1  Online Course 1st 8-week


ID250 - Global Scholar Experience (3)
2292 ID250-ONL1  Online Course 15-week

LA: Paralegal

LA100 - Introduction to Law (3)
2293 LA100-HYB1 SAT 9am – 1:15pm 1st 7-week S


LA103 - Ethics for the Legal Professional (3)
2440 LA103-ONL1  Online Course 15-week

LA104 - Contracts (3)
2441 LA104-HYB1 T 12:30pm – 1:45pm 15-week
2442 LA104-ONL1  Online Course 15-week


LA106 - Law & Technology (3)
2443 LA106-ONL1  Online Course 2nd 8-week

LA110 - Legal Research (3)
2444 LA110-HYB1 W 6pm – 8:30pm 15-week

LF: French



LF101 - Introductory French I (3)
1274 LF101-ONL1  Online Course 15-week

LS: Spanish



LS101 - Introductory Spanish I (3)
1291 LS101-ONL1  Online Course 15-week

MA: Mathematics

MA82 - Intermediate Algebra (0) [4]
1438 MA82-HYB1 W 1pm – 2:40pm 15-week

MA103 - Foundations of Mathematics (3)
1452 MA103-ONL1  Online Course 15-week
1453 MA103-ONL2  Online Course 15-week



MA111 - Precalculus (4)
1470 MA111-ONL1  Online Course 15-week

MA206 - Elementary Statistics (3)
1507 MA206-ONL1  Online Course 15-week
1508 MA206-ONL2  Online Course 15-week

MA207 - Elementary Statistics with Probability (4)
1519 MA207-HYB1 M 5pm – 6:40pm 15-week


MA210 - Calculus I (4)
1525 MA210-ONL1  Online Course 15-week

MA211 - Calculus II (4)
1529 MA211-ONL1  Online Course 15-week

MA214 - Introduction to MatLab (1)
1534 MA214-ONL1  Online Course 15-week
1535 MA214-ONL2  Online Course 15-week

MDA: Medical Assisting

MDA107 - Phlebotomy for Allied Health Professionals (1)
2138 MDA107-HYB1 M 6pm – 7:15pm 1st 7-week

MDA108 - Basic Medical Terminology (1)
2139 MDA108-HYB1 M 1:30pm – 2:45pm 2nd 7-week
2141 MDA108-HYB2 M 7:45pm – 9pm 2nd 7-week
2140 MDA108-ONL1  Online Course 1st 7-week

MDA109 - Medical Terminology (3)

2142	MDA109-HYB1	T	11am – 12:15pm	15-week
2143	MDA109-HYB2	TH	2pm – 3:15pm	15-week
2144	MDA109-HYB3	M	7:45pm – 10:15pm	1st 7-week
2145	MDA109-ONL1		Online Course	15-week
2146	MDA109-ONL2		Online Course	2nd 7-week

MDA110 - Pharmacology for Medical Office Practice (3)

2147	MDA110-HYB1	TH	11am – 1:30pm	1st 7-week
2148	MDA110-ONL1		Online Course	15-week

MDA112 - Medical/Administrative Office Applications (3)

2149	MDA112-HYB1	W	6:30pm – 8:30pm	2nd 7-week
2150	MDA112-ONL1		Online Course	1st 7-week

MDA115 - Phlebotomy Skills (3)

2151	MDA115-HYB1	T	1pm – 3:15pm	2nd 7-week
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MDA216 - Medical Coding Basics (3)

2155	MDA216-HYB1	TH	6:30pm – 8:30pm	1st 7-week
2154	MDA216-ONL1		Online Course	15-week

MDA218 - Health Insurance Billing and Reimbursement (3)

2157	MDA218-HYB1	TH	6:30pm – 8:30pm	2nd 7-week
2156	MDA218-ONL1		Online Course	1st 7-week

MDA220 - Electronic Health Records (3)

2158	MDA220-ONL1		Online Course	1st 7-week
2159	MDA220-ONL2		Online Course	2nd 7-week

MDA222 - Introduction to Federal Healthcare Programs and Laws (3)

2160	MDA222-ONL1		Online Course	15-week
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MU: Music

MU101 - Introduction to Music History and Appreciation (3)

1302	MU101-ONL1		Online Course	15-week
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MU103 - Fundamentals of Music (3)

1315	MU103-ONL1		Online Course	15-week
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MU108 - Survey of World Music (3)

1316	MU108-ONL1		Online Course	15-week
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MU109 - History of American Popular Music (3)

1317	MU109-ONL1		Online Course	15-week
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PC: Physical Science

PC103 - Elements of Physical Science (3)

1904	PC103-ONL1		Online Course	15-week
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PC104 - The Water Planet: Introduction to Oceanography (3)

1905	PC104-ONL1		Online Course	15-week
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PC106 - Introduction to Meteorology (4)

1908	PC106-ONL1		Online Course	15-week
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PC107 - Introductory Astronomy (4)

1913	PC107-ONL1		Online Course	15-week
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PC108 - Historical Geology (4)

1914	PC108-ONL1		Online Course	15-week
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PC115 - Introduction to Geoscience (4)

1923	PC115-ONL1		Online Course	15-week
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PE: Physical Education

PE188 - Yoga (3)

1064	PE188-HYB1	TH	6pm – 8:35pm	2nd 7-week
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PE237 - Exercise Psychology (1)

1076	PE237-ONL1		Online Course	2nd 7-week
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PH: Philosophy

PH101 - Introduction to Philosophy (3)

1381	PH101-ONL1		Online Course	1st 8-week
2457	PH101-ONL2		Online Course	2nd 8-week

PH204 - World Religions (3)

1384	PH204-ONL1		Online Course	15-week
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PH207 - Biomedical Ethics (3)

1387	PH207-ONL1		Online Course	15-week
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PH208 - Business Ethics (3)

1389	PH208-ONL1		Online Course	15-week
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PI: Political Science

PI104 - American Government: National (3)

2303	PI104-ONL1		Online Course	13-week
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PS: Psychology

PS101 - General Psychology (3)

2323	PS101-ONL1		Online Course	15-week
2324	PS101-ONL2		Online Course	15-week
2445	PS101-ONL3		Online Course	15-week
2325	PS101-ONL4		Online Course	13-week
2344	PS101-ONL5		Online Course	2nd 8-week

PS104 - Issues of Drug/Alcohol Use (3)

2329	PS104-ONL1		Online Course	13-week
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PS202 - Social Psychology (3)

2333	PS202-ONL1		Online Course	13-week
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PS205 - Psychology of Aging (3)

2337	PS205-ONL1		Online Course	15-week
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PS206 - Abnormal Psychology (3)

2340	PS206-ONL1		Online Course	13-week
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SO: Sociology

SO101 - Introduction to Sociology (3)

2363	SO101-ONL1		Online Course	15-week
2364	SO101-ONL2		Online Course	15-week
2375	SO101-ONL3		Online Course	13-week

SO102 - Social Problems (3)

2367	SO102-ONL1		Online Course	13-week
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SO201 - Criminology (3)

2370	SO201-ONL1		Online Course	13-week
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FCC Main Campus
7932 Opossumtown Pike • Frederick, MD 21702

Location Key

FCC classes are held on the college’s main campus, at the Monroe Center, online, and offsite at various locations throughout the county.

Campus Locations

- FCC/A–Annapolis Hall
- FCC/B–Braddock Hall
- FCC/C–Catoctin Hall
- FCC/D–Athletics Center
- FCC/E–Conference Center
- FCC/F–Visual & Performing Arts Center
- FCC/G–Gambrill Hall
- FCC/H–Student Center
- FCC/J–Jefferson Hall
- FCC/L–Linganore Hall
- FCC/P–Plant Operations
- FCC/SH–Swadner Hall
- FCC/K–Mercer-Akre Kiln
- Motorcycle Range–the Visual & Performing Arts Center (building F) parking lot.

Off Campus Location

Monroe Center
 200 Monroe Avenue • Frederick, MD 21701
 240.629.7900

Visit frederick.edu for complete directions.



the arts

at  Frederick Community College

Explore the Music in Fall 2016

There are many music ensembles available. This is a great way to make new friends and connect with a community of music makers. Join one of these groups to improve your skills or just unwind. View continuing education classes below and check the schedule for credit classes. For specific inquiries call the FCC music department at 301.846.2642.

MUS129 FCC Jazz Workshop Introduction & Advanced

Be part of the FCC jazz workshop and discover the language of jazz and improvisation. Learn jazz harmony and rhythms and put them together in an ensemble setting. All instrumentalists welcome. (Contact the instructor for placement at athomas@frederick.edu)

**Monday evenings Introduction 5:00-7:30 p.m.
& Advanced 7:45-10:10 pm**
Instructor: Anita Thomas

MUS100 FCC Jazz Ensemble

Join FCC's Jazz Ensemble and perform the best in big-band jazz. Course includes an on-campus concert. *Prior experience in ensemble playing necessary.* (Contact the instructor for placement at hburns@frederick.edu)

Wednesday evenings 7:45-10:10 p.m.
Instructor: Howard Burns

MUS128 String Ensemble

FCC String Ensemble for beginning and returning music lovers; exploring music from the 1600's to present. Participants of all ages are welcome, should have had at least a year of study on their instrument. Music performed is designed to strengthen technique in a variety of areas, including bow placement, and development, intonation and rhythm studies (Contact instructor at vlfleming@frederick.edu or 301.922.0398 for further information.)

Thursday evenings 7:45-9:15 p.m.
Instructor: Lynn Fleming

MUS118 FCC Flute Ensemble

Join fellow flutists for casual music-making in a non-competitive setting. The class is open to both young and adult musicians at intermediate to advanced levels and includes participation in an on-campus recital. (Contact the instructor at jrundlett@frederick.edu or 240.675.0866 for eligibility.)

Wednesday evenings 7:45-9:15 p.m.
Instructor: Jennifer Rundlett

MUS123 FCC Wind Ensemble

Join FCC's Wind Ensemble and play original concert band music by leading composers, and transcriptions of classics and standards. Classes are open to college and community musicians with previous experience in college/university bands, and high school band players, with the director's permission. Join the band and improve along with us! (Contact the instructor at alovely@frederick.edu or 703.401.8971 for eligibility and section placement.)

Wednesday evenings 6:30-9 p.m.
Instructor: Aaron Lovely

MUS126 FCC Percussion Ensemble

FCC's Percussion Ensemble is open to college and community musicians with a love of percussion. In addition to performing standard repertoire and transcriptions of rock, jazz, and popular music, the group explores percussion music from around the world. (Contact the instructor Greg Herron at gherron@frederick.edu or 443.621.8694 for more information.)

Monday evenings 6:30-8:30 p.m.
Instructor: Gregory Herron

MUS 132 FCC Handbell Choir

Experience the joys of a Handbell Choir. Open to adult and student musicians of all ages with no prior ringing experience. They will explore a mixture of bell and choir chime techniques through a wide variety of music from different time periods. (Contact the instructor at bscheffter@frederick.edu or 301.512.8066 for information.)

Wednesday evenings 5:30-7:00 p.m.
Instructor Barbara Scheffter

MUS 131 FCC Guitar Ensemble

Join the fun of playing in a variety of size groups ranging from duets, trios, quartets, and larger groups of mixed guitar. This course will culminate with a public performance at the end of the semester. (Contact the instructor at medwards@frederick.edu or 334.538.0254 for information.)

Friday evenings 5:30-7:00 p.m.
Instructor Mark Edwards

Explore the Visual Arts in Fall 2016

For additional information, contact the Art Program Manager, Wendell Poindexter, at 301.846.2513.

AR 100–Introduction to the Creative Arts (3)

Introduces students to the areas of visual arts, dance, music, and theater through an exploration of representative works.

AR 101–Two Dimensional Art and Design (3)

Investigates the concepts and principles of two-dimensional visual design.

AR 102–Three Dimensional Art and Design (3)

Explores the principles of visual organization and communication using color and three dimensional form.

AR 103–Survey of Non-Western Art (3)

An introduction to indigenous visual expressions created in Africa, Asia and the Americas.

AR 104–Survey of Art I (3)

Surveys the major developments in painting, sculpture and architecture from prehistoric times to the Italian Renaissance.

AR 105–Survey of Art II (3)

Surveys the major developments in painting, sculpture and architecture from the Italian Renaissance to the present.

AR 106–Drawing I (3)

Develops skills in using different drawing mediums and approaches.

AR 108–Painting I (3)

Introduces the fundamental concepts and techniques of painting in oils or acrylic.

AR 109–Painting II (3)

A studio course in analysis of solutions to problems involved in oil or acrylic painting.

AR 113–Pottery I (3)

Explores clay as a medium for the expression of art.

AR 114–Pottery II (3)

An advanced study into the nature of ceramic art.

AR 115–Introduction to Color Theory and Design (3)

Introduces students to the basic principles and elements of color theory.

AR 203–Sculpture (3)

Introduces the three-dimensional processes of carving, modeling, casting and constructing sculptures.

AR 204–Illustration I (3)

Concentrates on the development of hand skills and concepts which are an important part of the technique and magic of picture making.

AR 205–Illustration II (3)

Develops individual style and interpretation.



Frederick Community College

Classes for Everyone

- 4-year college students
- Current FCC students
- Working professionals
- Lifelong learners
- High school graduates



Affordable:

The cost of one class at FCC is about \$1,000 less than similar classes at 4-year schools.*



Convenient:

- Earn credits fast
- Most classes transfer
- Small class sizes
- Online & on campus
- No application fee
- Free parking



Summer Classes Begin June 6

View schedule at frederick.edu and register today