



## 2016

Spring & J-Term  
Credit Schedule







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## Hours of Operation

### Enrollment Services

(Jefferson Hall – Building J)

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

**Monday–Thursday, 8:30 a.m. – 8:00 p.m.**

**Friday, 8:30 a.m. – 4:30 p.m.**

**Saturday, January 23, 10:00 a.m. – 2:00 p.m.**

### College Closed

**Dr. Martin Luther King Day: January 18**

**Spring Break: March 23–27**

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

(Annapolis Hall - Building A, first floor)

**Monday, 8:30 a.m. – 7:00 p.m.**

**Tuesday–Friday, 8:30 a.m. – 4:30 p.m.**

### Multicultural Student Services

(Student Center - Building H, room 103)

**Monday–Friday, 8:30 a.m. – 4:30 p.m.**

(Evenings by appointment)

### Office of Diversity, Equity, and Inclusion

(Student Center - Building H, room 101)

**Monday-Friday, 8:30 a.m. – 4:30 p.m.**

*For a complete listing of hours of operation visit: [frederick.edu](http://frederick.edu).*

Avoid the

## DROP ZONE

See Spring Payment Dates Section on Page 7 for important Drop Zone information

# SPRING CLASSES START JANUARY 25

J-TERM: JANUARY 5–JANUARY 20

Registration begins Monday, November 2

*Online registration opens at 12:01 a.m.;*

*offices open at 8:30 a.m.*

## Accelerated sessions are available!

15-week • January 25–May 14

1<sup>st</sup> 8-week • January 25–March 18

1<sup>st</sup> 7-week • January 25–March 11

1<sup>st</sup> 5-week • January 25–Feb 26

1<sup>st</sup> 7-week • *Saturdays Only* • January 30–March 12

14-week • *Saturdays Only* • January 30–May 7

13-week • February 8–May 14

2<sup>nd</sup> 5-week • February 29–April 8

10-week • March 2–May 15

2<sup>nd</sup> 8-week • March 16–May 14

2<sup>nd</sup> 7-week • *Saturdays Only* • March 19–May 7

2<sup>nd</sup> 7-week • March 28–May 14

3<sup>rd</sup> 5-week • April 11–May 14

Choose a session that fits your life.



# How to Apply & Register

Please monitor your myFCC email for updates from the College.

## New Students

We know that you'll love our campus and faculty. Please follow the steps below and call 301.846.2400 if you have questions.

### 1) Apply to the College

- Go to [www.frederick.edu](http://www.frederick.edu) to apply online.
  - Click **Apply & Register**.
  - Click **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 ([www.frederick.edu](http://www.frederick.edu)). You can then bring the application to the campus or mail the completed application to:

Admissions Office  
Frederick Community College  
7932 Opossumtown Pike  
Frederick, MD 21702

### 2) Prepare for registration

To comply with the Maryland College and Career Readiness Act of 2013 and Frederick Community College's Academic Placement and Assessment Procedures (Procedure # 4.11), the College requires that:

- Upon entering the College, all new students, unless otherwise exempted, must complete all mathematics, reading, writing and skills placement tests before enrolling in developmental or credit courses.
- Upon entering the College, all new students who are seeking a degree must file a degree plan that is developed in consultation with an academic advisor.
- Upon reaching 24 credits, all new students must have completed developmental courses and the first college-level English and Math courses required by their degree plan.

FCC is committed to providing all students with the best chance for academic success; therefore, it is recommended that you visit <http://www.frederick.edu/student-resources/testing-center.aspx> to access testing center information to start you on your way to accomplishing your goals.

### • Send transcripts.

You will be asked to submit transcripts if you have attended high school or earned an equivalency certificate in the last three years, want credits earned from another college or university transferred to FCC (official transcripts may be sent or delivered to the Welcome Center in a sealed envelope), or have taken prerequisite courses at another institution.

### • Take Placement Test

Complete placement assessments of your reading, writing, and mathematics skills if you have not met the prerequisites elsewhere.

- If you plan to earn a degree or certificate, or you plan to enroll in a course that requires college-level reading, writing, or mathematics skills, take the appropriate assessment before you register (unless you already have credits in English or mathematics from another college or university). The assessments will take about three hours and will help you enroll at the right course level. There is no charge and no appointment is needed. Assessment tests are given in the Testing Center, L-104, 301.846.2522.
- If you have taken the SATs and scored 500 or above in the mathematics or critical reading areas or you have taken the ACT and scored 21 or higher in mathematics, English, or reading within the past five years, you are exempt from that portion of the assessment test. Send or bring a copy of your SAT or ACT scores, which will be recorded in the Testing Center.

**3) Meet with an advisor** to select your courses and discuss your academic and career goals. The Counseling & Advising Center, 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) Register for Classes

After meeting with an academic advisor and selecting your courses, register for classes.

**Students may attend a class if they are enrolled and have payment arrangements.**

## Readmit Students

If you've attended FCC before, but not since the Spring 2014 semester, complete the application and select "Readmit" under Classification. There is no fee, but 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 enrolled and have 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 8 and on the Counseling & Advising Center Web page at <http://www.frederick.edu/student-resources/counseling-advising/advisor-list.aspx>.
- General studies, undecided, and nursing (pre-clinical) students should meet with an advisor from the Counseling & Advising Center. During registration, the Counseling & Advising Center 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 Center, 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 Center 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, next 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 [myfcc.frederick.edu](http://myfcc.frederick.edu). Click on PeopleSoft in the green navigation bar, then follow the online instructions. See page 3 for information on using the Web.
- 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 Center before you register.

- If you plan to take more than 18 credits during the semester, you will need a signature from the Counseling & Advising Center.

### 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 74 for more information about online classes at FCC.

**Students may attend a class if they are enrolled and have payment arrangements.**

## Dual Enrollment of High School Aged Students

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

### Open Campus

#### Frederick County Public School Students:

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

**Home School/Private School Students:** Home school 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 home school 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 Courses

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

## Students from Other Institutions

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

1. First-time students and former students who have not attended FCC in two years: apply at [www.frederick.edu](http://www.frederick.edu). Your admission letter and ID number will be mailed to your permanent address. You must have this to register online.
2. Obtain a permission to enroll form\* from your home college's Registrar's Office, or a copy of your transcript that shows proof of having met FCC prerequisites.
3. You can then register in one of four ways:
  - a. Send an email to [registration@frederick.edu](mailto:registration@frederick.edu). Include your FCC ID number and PDF copies of your permission to enroll form\* or transcript.
  - 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.

**Students may attend a class if they are enrolled and have 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 [myfcc.frederick.edu](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 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.

### FCC now issues refunds quicker!

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 (see *Student Refunds information, page 5*).

#### What to look for in the mail:

As soon as you have completed registration, the debit card will be sent to the mailing address on file with FCC.

#### What you need to do:

Upon receiving your myFCC eFunds debit card, visit myFCCeFunds.com to activate your 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 card arrives.

#### Your refund options:

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

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

#### For more information:

www.myfcccfeunds.com • www.frederick.edu > Student Services > Resources > MyFCC eFunds

**Your myFCC eFunds Debit MasterCard® is the key to faster refunds and more!**

# 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 \$3,300 per year. By comparison, the College Board reports the national average for tuition and fees exceeds \$9,000 at public four-year colleges and averages \$31,000 at private schools. With high academic standards and affordable tuition rates, FCC is a wise choice for higher education.

### Spring 2016 Tuition & Fees Chart \*

Credits	In-County	Out-of-County	Out-of-State
1	\$192.77	\$328.77	\$418.77
2	\$328.56	\$600.56	\$780.56
3	\$464.35	\$872.35	\$1,142.35
4	\$600.14	\$1,144.14	\$1,504.14
5	\$735.93	\$1,415.93	\$1,865.93
6	\$871.72	\$1,687.72	\$2,227.72
7	\$1,007.51	\$1,959.51	\$2,589.51
8	\$1,143.30	\$2,231.30	\$2,951.30
9	\$1,279.09	\$2,503.09	\$3,313.09
10	\$1,414.88	\$2,774.88	\$3,674.88
11	\$1,548.43	\$3,044.43	\$4,034.43
12	\$1,681.98	\$3,313.98	\$4,393.98
13	\$1,815.53	\$3,583.53	\$4,753.53
14	\$1,949.08	\$3,853.08	\$5,113.08
15	\$2,082.63	\$4,122.63	\$5,472.63
16	\$2,216.18	\$4,392.18	\$5,832.18

#### Tuition\*

In-County per credit hour..... \$116.00

Out-of-County per credit hour..... \$252.00

Out-of-State per credit hour..... \$342.00

#### Fees\*\*

Instructional Materials (per credit hour) ....\$11.80

Student Activities (10 credit maximum) ....\$2.24

Admissions Application..... no charge

Comprehensive Registration Fee

(per semester) .....\$56.98

Capital Fee (per credit).....\$3.46

Technology Infrastructure Fee (per credit) ...\$2.29

Schedule Change..... no charge

Credit by Portfolio (per credit hour)...50% of tuition

Credit by Departmental Exam

(per credit hour)..... 50% of tuition

Applied Music fee (per class)..... \$490.00

Building Trades (per class) .....\$71.40

Welding (per class) ..... \$125.00

Culinary Arts (per class)..... \$121.00

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)..... \$81.00

Module Exam .....\$50.00

Physical Education Fees

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

Backpacking Fee.....\$50.00

Surgical Technology Fees

Please refer to the specific ST course

for fees that may be required.

**\* Tuition and fees rates are subject to change.**

**\*\* 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.

## Residency & Tuition

To be eligible for in-county or in-state tuition, you'll sign a statement certifying that you've lived at your current address for at least the last three consecutive months. Individuals may be required to provide proof of residence. Adjustments to tuition won't be made once the semester starts, even if you move. Only one address—your permanent residence—may be used to determine residency. If you have questions or wish to review your residency status, contact the Admissions Office, 301.624.2716.

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

- 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)
- Payment of Maryland state and local income taxes. (MD 502 Tax Form)
- Registration to vote in Frederick County and/or the state. (Voters Registration Card)
- Registration of a motor vehicle in the state, with a local address specified, if the person owns such a vehicle. (Motor Vehicle Registration Card)
- 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)

## Spring payment dates:



### January 8, 2016 4:30pm

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

### January 22, 2016 4:30pm

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

When enrolling on or after January 23, 2016, payment is due by 4:30pm the day prior to each session start date.

## J-Term payment dates:

### December 15, 2015 4:30pm

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

### January 4, 2016 4:30pm

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

Payment is due by 4:30pm the day prior to each session start date.

### What you need to know about Drop Zone

You must choose one of the following to avoid the Drop Zone

1. Students must pay in full (Partial payment will not save your seat)
2. Sign up for the payment plan in PeopleSoft
3. Students receiving financial aid should log into PeopleSoft to view their award and, if needed, sign up for the payment plan. See below for details.

If the College is closed due to inclement weather, drops for non-payment will occur at 4:30 p.m. the next business day the College is reopened.

While the College attempts to notify students of upcoming payment deadlines, it is the student's responsibility to meet payment deadlines for each session to avoid the Drop Zone. Students are notified of dropped enrollment via their MyFCC email account. Students who are dropped from classes will be required to re-register. If originally selected courses are no longer available, students will need to select different classes.

Students with a prior balance will be dropped from current class(es) on drop zone dates and will not be allowed to re-register until prior balance is paid in full.

Contact Student Accounts 301.846.2456, [studentaccounts@frederick.edu](mailto: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 [myfcc.frederick.edu](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 of each month 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
Dec 4	20%	4	Jan–April
Jan 8	30%	3	Feb–April
Feb 8	40%	2	Mar–April
Mar 8	50%	1	April

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

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

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

## 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 for the training of eligible veterans, dependents, and active duty personnel. If you are not sure what type of VA benefits you qualify for, you may contact the VA Regional Office's toll-free number: 1-888.442.4551 or visit the VA website at [www.gibill.va.gov](http://www.gibill.va.gov).

To learn more about the FCC services available to veterans and their families, please visit [www.frederick.edu/veterans](http://www.frederick.edu/veterans).

This website includes links for more comprehensive information.

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

For tuition assistance, National Guard waiver, or MyCAA use, please contact the Student Accounts office at 301.846.2456.

## Student Refunds

Eligibility for a tuition refund is based on the date of your withdrawal. (See the Academic Calendar Page for those dates.) The student refund process begins after the second week of classes. Students who paid with a credit card will be refunded directly back to the card if within 60 days of the original transaction date. If more than 60 days have passed from the transaction date, refunds will be processed to the student's myFCC eFunds debit card. All other academic refunds, including financial aid and scholarship refunds will be processed to the student's myFCC eFunds debit card. Please visit [www.myfcccceffunds.com](http://www.myfcccceffunds.com) to ensure the debit card 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 over who are Maryland residents may take classes at FCC tuition-free if they register starting January 4 for spring. Students must pay fees. See the COLLEGE WITHOUT THE DEBT SECTION 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.

## Tuition Rates for International Students

A foreign national lawfully admitted for residence in the United States may be considered a resident for tuition purposes if the domicile requirements of this policy have been satisfied. In-county residency is based upon the same three-month status and other proof of residency documents as all other students. For methods of proof please refer to our current catalog. Once domicile has been established, the following visa types determine residency:

Visa		
A	Diplomats, family, staff	In-County
B	Temporary visitor	Out-of-State
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	Intracompany 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

## Financial Aid

### Financial Aid

While FCC is affordable compared to other colleges, tuition and 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 2015–2016 Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.gov](http://www.fafsa.gov) and list FCC's school code in step 6 (002071).
2. Upon receipt of your FAFSA data, the Financial Aid Office will contact you regarding eligibility and/or to request additional documentation. Students who are selected for verification will be required to submit additional documentation such as IRS Tax Transcript.
3. Students who wish to pursue their student loan eligibility are required to complete additional steps. The loan application process is outlined at [www.frederick.edu](http://www.frederick.edu).

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

Detailed information on all financial aid programs can be found at [www.frederick.edu](http://www.frederick.edu) under the financial aid section.

#### Recommended deadlines for the Spring 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
11/2–1/8, 4:30 p.m.	11/16	1/8, 4:30 p.m.
1/8–1/22, 4:30 p.m.	Must pay in full or enroll in payment plan	1/22, 4:30 p.m.
After 1/23	Must pay in full or enroll in payment plan	Prior to 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 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.

If you have a "completed" file but are waiting for the award, you must sign up for the payment plan by the due date to avoid the Drop Zone. Log into PeopleSoft as you may qualify for the deferred pending aid payment plan at no cost.

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

If you have any questions about your financial aid status or financial aid award amounts, you can contact the Financial Aid Office at 301.846.2620 or email your questions to [financialaid@frederick.edu](mailto:financialaid@frederick.edu).

For other questions about your student account balance, contact the Student Accounts Office at 301.846.2456 or email your questions to [studentaccounts@frederick.edu](mailto:studentaccounts@frederick.edu).

## Scholarships

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

- April 15–June 15 for Fall 2016
- November 2–January 4 for Spring 2016

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

## Services for Students with Disabilities

The college provides support services to maximize independence and encourage the integration of students with disabilities into all areas of college life. The particular needs of each student are considered on an individual basis. Students with disabilities are encouraged to contact the Services for Students with Disabilities office as early as possible after applying for admission. Call 301.846.2408. Reasonable accommodations, based on documentation, are then offered to qualified students for courses and for placement testing. Students in need of sign language interpreting services should contact the office two weeks prior to the beginning of classes to ensure services are in place.

Requests for sign language interpreting may be made to the Coordinator for Deaf/Hard of Hearing Services at 240.629.7819 (Voice), 240.846.2408 (Voice), or via e-mail at [interpreting@frederick.edu](mailto:interpreting@frederick.edu).

## Bookstore

### Hours

Monday–Thursday .....8:30 a.m. – 8:00 p.m.  
Friday .....8:30 a.m. – 1:00 p.m.  
Saturday, January 23 .....10:00 a.m. – 2:00 p.m.  
Saturday, January 30 .....8:00 a.m. – 12:00 p.m.

### Bookstore Calendar

January 4	J-Term and Spring 2016 books available to purchase and rent
January 20	Textbook buyback from 9:00 a.m. – 7:00 p.m.
January 21	Textbook buyback from 9:00 a.m. – 12:00 p.m.
January 21	Deadline for J-Term 2016 rental returns
January 23	Bookstore open from 10:00 a.m. – 2:00 p.m.
January 30	Bookstore open from 8:00 a.m. – 12:00 p.m.
March 21–22	Bookstore closes at 4:30 p.m.
March 23–27	Bookstore closed
May 10, 11, 12	Textbook buyback from 9:00 a.m. – 7:00 p.m.
May 13	Textbook buyback from 9:00 a.m. – 4:00 p.m.
May 16, 17	Textbook buyback from 9:00 a.m. – 7:00 p.m.
May 17	Deadline for Spring 2016 rental returns

## Buying/Renting Books

Go to [bookstore.frederick.edu](http://bookstore.frederick.edu) to see what books and materials are needed for your classes.

You may use that website to order books to be shipped to you or to be held for pick-up in the Bookstore.

Some of the books for your classes may be available to rent from the Bookstore. Books can be rented by coming to the FCC Bookstore with your student ID. Books cannot be rented through our web site. Although the rental can be paid for by cash, check, credit card, or financial aid, it must be secured with a credit card. Students must be 18 or older to rent books. Students younger than 18 must have a parent sign for the rental.

**You cannot use financial aid to order books. To use your financial aid to buy or rent books, you must come to the Bookstore with your student ID.**

## 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 semester. Contact the Welcome Center for additional information.

# Advisor Contact List

## Academic & Career Engagementt (ACE)

Office Manager, Shelby Carmon .....301.846.2594

## Allied Health and Wellness

Office Manager (L-101A), Ann Geyer .....301.846.2605

Nuclear Medicine, Michele Tertel .....301.624.2845

Health & Exercise Sciences, Jan Sholes .....301.846.2503

Surgical Technology, Nancy Dankanich .....301.846.2506

Respiratory Care, Rhonda Patterson .....301.829.7124

## Computing and Business Technology (CBT)

Office Manager (C-212), Doree Lynn Miles .....301.846.2505

Accounting, CPA Prep, Mike Martin .....301.846.2543

Architectural Computer Aided Design, Michael Leonard .....240.629.7927

Business Administration, Business Management,  
Economics, Marty Crabbs .....301.846.2611

Computer Science, Information Systems Management,  
Information Technology-all options, Cybersecurity, Andy Yao .....301.846.2410

Construction Management, Michael Leonard .....240.629.7927

Culinary Arts and Hospitality Management, Michael Leonard .....240.629.7927

Medical Assistant, Karen A. Wilson .....301.624.2848

## Communications, Humanities & Arts (CHA)

Office Manager (F-143), Karen Santelli .....301.846.2512

American Sign Language Studies, David Martin .....240.575.2299

Art, Wendell Poindexter .....301.846.2513

Communications Speech, Kathy Brooks .....301.846.2635

Digital Media Design, Computer Graphics, Lisa Sheirer .....301.846.2637

Digital Media Design, TV Production, Jason Santelli .....301.846.2533

Theatre, Tad Janes .....301.846.2515

World Languages, Ana María Pinzón .....301.624.2843

Music, Paula Chipman .....301.846.2566

Humanities, Stephanie Curran .....scurran@frederick.edu

## Construction & Building Trades (Monroe Center)

Office Manager, Cheryl Concannon .....240.629.7903

Program Manager, Amy Richardson .....240.629.7985

## Counseling & Advising Services

Office Manager, Shelby Carmon .....301-846-2594

Office Manager, Elizabeth Nichols .....301.624.2867

## Emergency Management

Emergency Management (FEMA), Douglas McDaniel .....240.629.7952

## English

Office Manager (H-243), Cheryl Peterson .....301.846.2600

Developmental English, Joe Healey .....301.846.2633

English as a Second Language, Stephanie Landon .....240.629.7925

## Honors

Honors Coordinator (H-244), Bruce Thompson .....301.846.2535

## Mathematics

Office Manager (B-228), Jeanne Nesbitt .....301.846.2530

Mathematics (B-235), Gary Hull .....301.846.2576

STEM Learning Center/Lab, B-212

## Nursing

Office Manager (L-114), Cathie Galeano .....301.846.2524

## Science

Office Manager (C-118), Sharon Smith .....301.846.2510

STEM, Physical Sciences, TBD ..... TBD

Bioprocessing Technology, Keri-Beth Pettengill .....301.846.2564

Engineering, Physics, Perry Wood .....301.846.2554

## Social Sciences

Office Manager (H-242), Simone Dalmida .....301.846.2507

Anthropology, Criminal Justice, Government,  
History, Psychology, and Sociology, Molly Carlson .....301-624-2879

Early Childhood Education/Early Childhood Special Education,  
and Early Childhood Development, Delaine Welch .....301.846.2559

Elementary Education/Elementary Special Education,  
Secondary Education, Sarah Bigham .....301.846.2487

Human Services, Natalie Bowers .....301.846.2696

Paralegal, Tracy Parker .....301.624.2819

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



# Spring & J-Term 2016: Academic Calendar

<b>Breaks and closings</b>	
Dr. Martin Luther King, Jr. Day—College closed	January 18
No credit classes. College closes at 11 p.m.	March 21
No classes, college offices close at 4:30p.m., College closes at 11 p.m.	March 22
Spring Break – no classes	March 23-27

## Graduation deadline

Last day to apply for:  
 December 2015 graduation .....Dec. 15  
 January 2016 graduation .....Jan. 15  
 May 2016 graduation ..... April 15

## Academic Dates

Fall 2015 I grades to F ..... Feb. 5  
 J-Term 2016 I grades to F ..... Feb. 3  
 Spring 2016 I grades to F ..... July 9  
 J-Term/Spring registration opens .....Nov. 2

## Session Dates

### 15-week session

First day ..... Jan. 25  
 Last day to add ..... Jan. 29  
 Last day 100% refund ..... Jan. 29  
 Last day 50% refund ..... Feb. 5  
 Last day to withdraw, no refund. .... April 9  
 Last day of classes ..... May 14  
 Grades due (10 a.m.) ..... May 18

### 1<sup>st</sup> 8-week session

First day ..... Jan. 25  
 Last day to add ..... Jan. 27  
 Last day 100% refund ..... Jan. 29  
 Last day 50% refund ..... Feb. 5  
 Last day to withdraw, no refund. .... March 2  
 Last day of classes ..... March 18  
 Grades due (10 a.m.) ..... March 29

### 1<sup>st</sup> 7-week session

First day ..... Jan. 25  
 Last day to add ..... Jan. 27  
 Last day 100% refund ..... Jan. 29  
 Last day 50% refund ..... Feb. 5  
 Last day to withdraw, no refund. .... Feb. 25  
 Last day of classes ..... March 11  
 Grades due (10 a.m.) ..... March 16

### 1<sup>st</sup> 5-week session

First day ..... Jan. 25  
 Last day to add ..... Jan. 26  
 Last day 100% refund ..... Jan. 29  
 Last day 50% refund ..... Feb. 5  
 Last day to withdraw, no refund. .... Feb. 16  
 Last day of classes ..... Feb. 26  
 Grades due (10 a.m.) ..... March 2

### 14-week • session Saturdays only

First day ..... Jan. 30  
 Last day to add ..... Feb. 5  
 Last day 100% refund ..... Feb. 5  
 Last day 50% refund ..... Feb. 12  
 Last day to withdraw, no refund. .... April 11  
 Last day of classes ..... May 7  
 Grades due (10 a.m.) ..... May 11

### 1<sup>st</sup> 7-week session Saturdays only

First day ..... Jan. 30  
 Last day to add ..... Feb. 2  
 Last day 100% refund ..... Feb. 5  
 Last day 50% refund ..... Feb. 12  
 Last day to withdraw, no refund. .... March 2  
 Last day of classes ..... March 12  
 Grades due (10 a.m.) ..... March 16

### 13-week session

First day ..... Feb. 8  
 Last day to add ..... Feb. 12  
 Last day 100% refund ..... Feb. 12  
 Last day 50% refund ..... Feb. 29  
 Last day to withdraw, no refund. .... April 14  
 Last day of classes ..... May 14  
 Grades due (10 a.m.) ..... May 18

### 10-week session

First day ..... Feb. 29  
 Last day to add ..... March 5  
 Last day 100% refund ..... March 6  
 Last day 50% refund ..... March 13  
 Last day to withdraw, no refund. .... April 23  
 Last day of classes ..... May 15  
 Grades due (10 a.m.) ..... May 18

### 2<sup>nd</sup> 5-week session

First day ..... Feb. 29  
 Last day to add ..... March 1  
 Last day 100% refund ..... March 4  
 Last day 50% refund ..... March 11  
 Last day to withdraw, no refund. .... March 29  
 Last day of classes ..... April 8  
 Grades due (10 a.m.) ..... April 13

### 2<sup>nd</sup> 8-week session

First day ..... March 14  
 Last day to add ..... March 16  
 Last day 100% refund ..... March 20  
 Last day 50% refund ..... April 1  
 Last day to withdraw, no refund. .... April 28  
 Last day of classes ..... May 14  
 Grades due (10 a.m.) ..... May 18

### 2<sup>nd</sup> 7-week session

First day ..... March 28  
 Last day to add ..... March 30  
 Last day 100% refund ..... April 1  
 Last day 50% refund ..... April 8  
 Last day to withdraw, no refund. .... April 28  
 Last day of classes ..... May 14  
 Grades due (10 a.m.) ..... May 18

### 2<sup>nd</sup> 7-week session Saturdays only

First day ..... March 19  
 Last day to add ..... March 29  
 Last day 100% refund ..... April 1  
 Last day 50% refund ..... April 11  
 Last day to withdraw, no refund. .... April 29  
 Last day of classes ..... May 7  
 Grades due (10 a.m.) ..... May 13

### 3<sup>rd</sup> 5-week session

First day ..... April 11  
 Last day to add ..... April 12  
 Last day 100% refund ..... April 15  
 Last day 50% refund ..... April 22  
 Last day to withdraw, no refund. .... May 6  
 Last day of classes ..... May 14  
 Grades due (10 a.m.) ..... May 18

### J-Term session

First day ..... Jan. 5  
 Last day to add ..... Jan. 5  
 Last day 100% refund ..... Jan. 6  
 Last day 50% refund ..... Jan. 11  
 Last day to withdraw, no refund. .... Jan. 14  
 Last day of classes ..... Jan. 20  
 Grades due (10 a.m.) ..... Jan. 25

# General Education Courses offered Spring 2016

All General Education courses listed on this page may be taken in the Honors format, when offered, and designated with an 'H' (e.g., MA 103H) in the class schedule.

## 1. Arts & Humanities

### Arts

- AR 100–Introduction to the Creative Arts (3)
- AR 101–Two Dimensional Art and Design (3)
- AR 103–Survey of Non-Western Art (3)
- AR 104–Survey of Art I (3)
- AR 105–Survey of Art II (3)
- AR 106–Drawing I (3)
- AR 113–Pottery I (3)
- CMM 101–Introduction to Electronic Media (3)
- CMM 103–Introduction to Film (3)
- CMM 105–Basic Darkroom to Digital Photography (3)
- MU 101–Introduction to Music History & Appreciation (3)
- MU 103–Fundamentals of Music (3)
- 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.*
- MU 109–History of American Popular Music (3)
- THR 101–Introduction to Theatre (3)

### Humanities

- ASLS 102–American Sign Language I (3)
- ASLS 103–American Sign Language II (3)
- ASLS 202–American Sign Language III (3)
- ASLS 203–American Sign Language IV (3)
- EN 102–English Composition & Literature (3)  
*EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.*
- EN 201–British Literature (3)
- EN 204–American Literature (3)
- EN 216–The Short Story (3)
- EN 223–Classical Mythology (3)
- EN 226–Film as Literature (3)
- EN 230–African American Literature (3)
- EN/CMM 218–Journalism Publication Practicum (3)  
*EN/CMM 218 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.*
- HU 202–Humanities II:  
Culture & Human Experience (Renaissance to the Present) (3)
- LAR 101–Introductory Arabic I (3)
- LF 101–Introductory French I (3)
- LF 102–Introductory French II (3)
- LG 101–Introductory German I (3)
- LG 102–Introductory German II (3)
- LG 202–Intermediate German II (3)
- LI 101–Introductory Italian I (3)
- LL 102–Introductory Latin II (3)
- LL 202–Intermediate Latin II (3)
- LR 101–Introductory Russian I (3)
- LR 102–Introductory Russian II (3)

- LS 101–Introductory Spanish I (3)
- LS 102–Introductory Spanish II (3)
- LS 201–Intermediate Spanish I (3)
- LS 202–Intermediate Spanish II (3)
- PH 101–Introductory Philosophy (3)
- PH 204–World Religions (3)
- PH 205–Ethics (3)
- PH 206–Logic (3)
- PH 207–Biomedical Ethics (3)
- PH 208–Business Ethics (3)
- PH 210–Ethics and Film (3)

### Communications

- CMSP 101–Introduction to Communication Studies (3)
- CMSP 103–Speech Fundamentals (3)
- CMSP 105–Small Group Communication (3)
- CMSP 107–Career Communications (3)
- EN 102–English Composition & Literature (3)  
*EN 102 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.*
- EN/CMM 218–Journalism Publication Practicum (3)  
*EN/CMM 218 can be taken to satisfy either the General Education requirement in Communications or in Humanities, but not both.*

## 2. English Composition

- EN 101–English Composition (3)

## 3. Interdisciplinary & Emerging Issues

### Computer Literacy

- CIS 101–Information Systems and Technology (3)
- CIS 106–Introduction to Object Design & Programming (3)

### Wellness

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

### Interdisciplinary

- ID 113–Introduction to Leadership (3)
- ID 200H–Honors Seminar: Special Topics in Interdisciplinary Studies (3)
- ID 209–Ethnic Diversity (3)
- ID 214–Introduction to Gerontology: Issues of the Aging & Aged (3)
- ID 220–World War II Through Film (3)
- ID 225–Disaster, Crisis and Emergency Management (3)
- ID 250–Global Scholar Experience (3)  
*ID 250 can be taken to satisfy either the General Education requirement in Interdisciplinary or Multicultural Issues & Perspectives, but not both.*
- ID 260–The Language of Hip Hop (3)

### Multicultural Issues & Perspectives

- ASLS 106–Introduction to the Deaf Community (3)
- BU 281–Global Awareness/Work Environment (3)
- ID 250–Global Scholar Experience (3)  
*ID 250 can be taken to satisfy either the General Education requirement in Interdisciplinary or 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

- MA 103–Foundations of Mathematics (3)
- MA 103A–Foundations of Mathematics with Algebra (3)
- MA 105–Fundamental Concepts of Mathematics (4)
- MA 106–Fundamental Concepts of Mathematics II (4)
- MA 111–Precalculus (4)
- MA 130–College Algebra (3)
- MA 131–Trigonometry with Analytic Geometry (3)
- MA 201–Applied Calculus (3)
- MA 202–Introduction to Discrete Mathematics (3)
- BU/MA 205–Business Statistics (3)
- BU/MA 205A–Business Statistics with Algebra (3)
- MA 206–Elementary Statistics (3)
- MA 206A–Elementary Statistics with Algebra (3)
- MA 207–Elementary Statistics with Probability (4)
- MA 210–Calculus I (4)
- MA 211–Calculus II (4)
- MA 212–Calculus III (4)
- MA 213–Differential Equations (3)

## 5. Science

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



# Call Us

## 5. Science (continued)

PC 106–Introduction to Meteorology (4)  
 PC 107–Introductory Astronomy (4)  
 PC 108–Historical Geology (4)  
 PC 114–Contemporary Physical Science (4)  
 PC 115–Introduction to Geoscience (4)  
 PC 121–Energy and Society (3)  
 PY 101–Survey of Physics (3)  
 PY 202–Fundamentals of Physics (4)  
 PY 203–Introductory Physics I (4)  
 PY 204–Introductory Physics II (4)

## 6. Social & Behavioral Sciences

### Anthropology

AN 101–Introduction to Anthropology (3)

### Economics

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

### Education

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

### Geography

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

### History

HI 101–History of Western Civilization (3)  
 HI 102–History of Western Civilization (3)  
 HI 201–History of the United States (3)  
 HI 202–History of the United States (3)

### Human Services

HS 102–Human Relations (3)

### Political Science

PI 104–American Government: National (3)

### Psychology

PS 101–General Psychology (3)  
 PS 202–Social Psychology (3)

### Sociology

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

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	240.629.7930
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
Mount Airy College Center for Health Care Education	301.829.7100
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

## Spring Credit Schedule

### COURSE BLACKBOARD REQUIREMENTS

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

### ACCT: Accounting

#### ACCT 100 – Business Accounting (3)

*Prerequisite: EN 51 or ESL 97*

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.

3167	ACCT100-1	TTh	8:00am - 9:15am	15-week
3168	ACCT100-2	W	5:00pm - 7:35pm	15-week
3169	ACCT100-HYB1	Sat	8:30am - 12:00pm	1st 7-week-S

#### ACCT 101 – Principles of Accounting I (3)

*Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97*

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.

3170	ACCT101-1	MW	11:00am - 12:15pm	15-week
3171	ACCT101-2	MW	2:00pm - 3:15pm	15-week
3172	ACCT101-3	TTh	8:00am - 9:15am	15-week
3173	ACCT101-4	TTh	9:30am - 10:45am	15-week
3174	ACCT101-5	TTh	11:00am - 12:15pm	15-week
3175	ACCT101-6	M	5:00pm - 7:35pm	15-week
3176	ACCT101-7	Th	5:00pm - 7:35pm	15-week
3177	ACCT101-HYB1	T	6:00pm - 8:35pm	1st 7-week
3178	ACCT101-ONL1	📡	NET	15-week

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

*Prerequisite: ACCT 101*

Continues the study of financial accounting principles and procedures from ACCT 101, with emphasis on the corporate form of business organization. Students will also be introduced to managerial accounting concepts used for planning and controlling the business enterprise.

3179	ACCT102-1	MW	12:30pm - 1:45pm	15-week
3180	ACCT102-2	TTh	9:30am - 10:45am	15-week
3181	ACCT102-3	TTh	12:30pm - 1:45pm	15-week
3182	ACCT102-4	M	5:00pm - 7:35pm	15-week
3183	ACCT102-5	W	5:00pm - 7:35pm	15-week
3184	ACCT102-HYB1	T	6:00pm - 8:35pm	2nd 7-week
3185	ACCT102-ONL1	📡	NET	15-week

#### ACCT 111 – Computerized Accounting (3)

*Prerequisites: CIS 101 or CIS 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.

3187	ACCT111-HYB1	Sat	9:00am - 12:00pm	2nd 7-week-S
3186	ACCT111-HYB2	W	7:45pm - 9:15pm	15-week

Note: 3187 ACCT111 meets the first 03/26 and last Saturday 05/14 of the 2nd 7-week Saturday session.

#### ACCT 117 – Payroll Accounting (3)

*Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and*

*ESL 99, and ACCT 100 or ACCT 101*

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

3188	ACCT117-1	Th	5:00pm - 7:35pm	15-week
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#### ACCT 201 – Intermediate Accounting I (4)

*Prerequisites: 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.

3189	ACCT201-ONL1	📡	NET	15-week
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Note: Intermediate Accounting I offered fall and spring semesters evening hybrid only.

#### ACCT 202 – Intermediate Accounting II (4)

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

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

3190	ACCT202-HYB1	M	5:00pm - 7:05pm	15-week
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#### ACCT 203 – Managerial Cost Accounting (3)

*Prerequisite: ACCT 101*

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

3191	ACCT203-1	M	7:45pm - 10:20pm	15-week
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#### ACCT 214 – Auditing (3)

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

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

3193	ACCT214-HYB1	Th	5:00pm - 7:35pm	15-week
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Note: 3193 Meets every other week starting week 1.



## ACCT 233 – Applied Accounting (3)

Prerequisites: ACCT 111, ACCT 201, CIS 111E

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

**3194 ACCT233-1 T 5:00pm - 7:35pm 15-week**

### 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

### ACE 100 – Learning Strategies (2)/EN 101 – English Composition (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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 of content area courses in which students are enrolled.

3901	ACE100-LK1	MW	9:30am - 10:20am	15-week
3902	ACE100-LK2	MW	12:00pm - 12:50pm	15-week
3908	ACE100-LK3	MW	2:00pm - 2:50pm	15-week
3903	ACE100-LK4	TTh	9:30am - 10:20am	15-week
3904	ACE100-LK5	TTh	12:00pm - 12:50pm	15-week
3905	ACE100-LK6	TTh	2:30pm - 3:20pm	15-week
3906	ACE100-LK7	Sat	12:10pm - 1:50pm	14-week
3907	ACE100-LK8	W	8:00pm - 9:45pm	15-week
3892	EN101-LK1	MW	8:00am - 9:15am	15-week
3893	EN101-LK2	MW	10:30am - 11:45am	15-week
3900	EN101-LK3	MW	12:30pm - 1:45pm	15-week
3894	EN101-LK4	TTh	8:00am - 9:15am	15-week
3895	EN101-LK5	TTh	10:30am - 11:45am	15-week
3896	EN101-LK6	TTh	1:00pm - 2:15pm	15-week
3897	EN101-LK7	Sat	9:00am - 11:55am	14-week
3898	EN101-LK8	W	5:00pm - 7:45pm	15-week

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

## ACE 110 – Career Assessment & Planning (3)

Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97

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.

4403	ACE110-1	MW	11:00am - 12:15pm	15-week
4404	ACE110-2	TTh	12:30pm - 1:45pm	15-week
4405	ACE110-3	T	5:00pm - 7:35pm	15-week

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

Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97

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.

**4406 ACE111A-ONL1 🏠 NET 1st 7-week**

## AN: Anthropology

### AN 101 – Introduction to Anthropology (3)

GenEd Social & Behavioral Sciences/Anthropology; Cultural Competence

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3548	AN101-1	MW	9:30pm - 10:45pm	15-week
3546	AN101-2	MW	12:30pm - 1:45pm	15-week
3547	AN101-3	TTh	11:00am - 12:30am	15-week
3549	AN101-ONL1	🏠	NET	15-week

### AN 103 – Introduction to Archaeology (3)

Cultural Competence

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3550	AN103-1	TTh	2:00pm - 3:15pm	15-week
3551	AN103-ONL1	🏠	NET	15-week

### session dates

15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## AR: Art

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

GenEd Arts and Humanities/Arts

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3958	AR100-1	MW	9:30am - 10:45am	15-week
3959	AR100-2	MW	11:00am - 12:15pm	15-week
3960	AR100-3	MW	12:30pm - 1:45pm	15-week
3961	AR100-4	TTh	9:30am - 10:45am	15-week
3963	AR100-5	Sat	9:00am - 2:20pm	2nd 7-week-5
3964	AR100-6	M	5:00pm - 7:35pm	15-week
3966	AR100-7	T	5:00pm - 7:35pm	15-week
3965	AR100-ONL1	🏠	NET	15-week

### AR 100H – Honors Introduction to the Creative Arts (3)/CMSP 103H – Honors Speech Fundamentals (3)

GenEd Arts and Humanities/Arts

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

4335	AR100H-LK1	TTh	2:00pm - 3:15pm	15-week
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### AR 101 – Two Dimensional Art and Design (3)

GenEd Arts and Humanities/Arts

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

3967	AR101-1	MW	12:30pm - 2:30pm	15-week
3968	AR101-2	TTh	8:00am - 10:00am	15-week
3969	AR101-3	TTh	10:00am - 12:00pm	15-week
3970	AR101-4	T	12:30pm - 4:30pm	15-week

### AR 102 – Three Dimensional Art and Design (3)

*Prerequisite: AR 101*

Builds on the design concepts of AR101. Explores the principles of visual organization and communication using color and three-dimensional form.

3971	AR102-1	MW	9:30am - 11:30am	15-week
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### AR 103 – Survey of Non-Western Art (3)

GenEd Arts and Humanities/Arts; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3972	AR103-1	TTh	11:00am - 12:15pm	15-week
3973	AR103-2	TTh	12:30pm - 1:45pm	15-week

### AR 104 – Survey of Art I (3)

GenEd Arts and Humanities/Arts; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Note: AR 104 and AR 105 need not be taken in sequence. 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.

3974	AR104-1	MW	12:30pm - 1:45pm	15-week
3975	AR104-ONL1	🏠	NET	15-week

### AR 105 – Survey of Art II (3)

GenEd Arts and Humanities/Arts; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Note: AR 104 and AR 105 need not be taken in sequence. 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.

3976	AR105-1	MW	2:00pm - 3:15pm	15-week
3977	AR105-ONL1	🏠	NET	15-week

### AR 106 – Drawing I (3)

GenEd Arts and Humanities/Arts

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3978	AR106-1	MW	9:30am - 11:30am	15-week
3979	AR106-2	TTh	10:00am - 12:00pm	15-week
3980	AR106-3	TTh	12:30pm - 3:30pm	2nd 8-week
3981	AR106-4	W	12:30pm - 4:30pm	15-week
3982	AR106-5	Th	12:30pm - 4:30pm	15-week
3983	AR106-6	F	9:00am - 1:00pm	15-week
3984	AR106-7	Sat	9:00am - 1:00pm	14-week
3985	AR106-8	M	5:30pm - 9:30pm	15-week

### AR 107 – Drawing II (3)

*Prerequisite: AR 106*

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

3987	AR107-1C	Th	5:30pm - 9:30pm	15-week
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### AR 108 – Painting I (3)

*Prerequisite: AR 101 or AR 106*

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

3988	AR108-1C	T	12:30pm - 4:30pm	15-week
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### AR 109 – 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.

3989	AR109-1C	T	12:30pm - 4:30pm	15-week
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### AR 113 – Pottery I (3)

GenEd Arts and Humanities/Arts

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

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

3990	AR113-1C	M	12:30pm - 4:30pm	15-week
3991	AR113-2C	T	12:30pm - 4:30pm	15-week
3992	AR113-3C	W	9:00am - 1:00pm	15-week
3993	AR113-4C	Th	9:00am - 1:00pm	15-week
3994	AR113-5C	M	5:30pm - 9:30pm	15-week
3995	AR113-6C	W	5:30pm - 9:30pm	15-week

### AR 114 – Pottery II (3)

*Prerequisite: AR 113*

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

3996	AR114-1C	M	12:30pm - 4:30pm	15-week
3997	AR114-2C	T	12:30pm - 4:30pm	15-week
3998	AR114-3C	W	9:00am - 1:00pm	15-week
3999	AR114-4C	Th	9:00am - 1:00pm	15-week
4000	AR114-5C	M	5:30pm - 9:30pm	15-week
4001	AR114-6C	W	5:30pm - 9:30pm	15-week

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

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4002	AR115-1	MW	9:30am - 11:30am	15-week
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### AR 203 – Sculpture (3)

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

4003	AR203-1C	Th	5:30pm - 9:30pm	15-week
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### AR 204 – Illustration I (3)

*Prerequisite: AR 106*

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

4004	AR204-1C	MW	12:30pm - 2:30pm	15-week
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### AR 205 – Illustration II (3)

*Prerequisite: AR 204*

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

4005	AR205-1C	MW	12:30pm - 2:30pm	15-week
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### AR 206 – Introduction to Figure Study I (3)

*Prerequisite: AR 106*

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

4006	AR206-1C	Th	5:30pm - 9:30pm	15-week
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### AR 207 – Introduction to Watercolor I (3)

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4007	AR207-1C	TTh	9:30am - 11:30am	15-week
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### AR 210 – Watercolor II (3)

*Prerequisite: AR 207*

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

4008	AR210-1C	TTh	9:30am - 11:30am	15-week
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### AR 213 – Intermediate Sculpture (3)

*Prerequisite: AR 203*

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

4009	AR213-1C	Th	5:30pm - 9:30pm	15-week
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## ASLS: American Sign Language Studies

### ASLS 100 – 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.

4010	ASLS100-1	MW	5:00pm - 5:50pm	15-week
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### ASLS 101 – Visual Gestural Communication (3)

Trains students visual acuity (receptive and expressive) and coordination of body movements. Emphasis is on mime, gestures and facial expressions. Through class activities and movement, students communicate without using the spoken voice. This class is designed to be a foundation for American Sign Language 1-3. It is recommended that ASLS 102 be taken concurrently with ASLS 101.

4011	ASLS101-1	MW	11:00am - 12:15pm	15-week
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4012	ASLS101-2	MW	2:00pm - 3:15pm	15-week
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## ASLS 102 – American Sign Language I (ASL I) (3)

GenEd Arts and Humanities/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.)

4013	ASLS102-1	MW	9:30am - 10:45am	15-week
4014	ASLS102-2	MW	11:00am - 12:15pm	15-week
4015	ASLS102-3	MW	12:30pm - 1:45pm	15-week
4016	ASLS102-4	MW	2:00pm - 3:15pm	15-week
4017	ASLS102-5	MW	2:00pm - 3:15pm	15-week
4018	ASLS102-6	TTh	11:00am - 12:15pm	15-week
4019	ASLS102-7	TTh	12:30pm - 1:45pm	15-week
4020	ASLS102-8	TTh	3:30pm - 4:45pm	15-week
4021	ASLS102-9	Sat	9:00am - 11:30am	14-week
4022	ASLS102-10	M	5:00pm - 7:35pm	15-week
4023	ASLS102-11	M	7:45pm - 10:20pm	15-week
4024	ASLS102-12	W	5:00pm - 7:35pm	15-week

## ASLS 103 – American Sign Language II (ASL II) (3)

GenEd Arts and Humanities/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.

4025	ASLS103-1	MW	12:30pm - 1:45pm	15-week
4026	ASLS103-2	TTh	3:30pm - 4:45pm	15-week
4027	ASLS103-3	Th	5:00pm - 7:35pm	15-week

## ASLS 106 – Introduction to the Deaf Community (3)

GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & 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).

4028	ASLS106-1	W	6:00pm - 8:35pm	15-week
4029	ASLS106-ONL1	📧	NET	15-week

## ASLS 107 – Introduction to Deaf History (3)

Prerequisites: ASLS 106, EN 50A or EN 651 and EN 52 OR ESL 95 and ESL 99

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

4030	ASLS107-1	M	5:00pm - 7:35pm	15-week
4031	ASLS107-ONL1	📧	NET	15-week

## ASLS 108 – 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.

4032	ASLS108-1	MW	6:00pm - 6:50pm	15-week
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## ASLS 202 – American Sign Language III (ASL III) (3)

GenEd Arts and Humanities/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.

4033	ASLS202-1	M	5:00pm - 7:35pm	15-week
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## ASLS 203 – American Sign Language IV (ASL IV) (3)

GenEd Arts and Humanities/Humanities

Prerequisite: ASLS 202

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

4336	ASLS203-1	Th	5:00pm - 7:35pm	15-week
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## ASLS 206 – American Deaf Culture (3)

Prerequisite: ASLS 107

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

4034	ASLS206-1	T	5:30pm - 8:05pm	15-week
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## BI: Biological Science

### BI 55 – Preparation for Allied Health (0) [3]

Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97, and MA 81

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

3360	BI55-1	MW	11:00am - 12:15pm	15-week
3361	BI55-2	TTh	8:00am - 9:15am	15-week
3362	BI55-3	TTh	2:00pm - 4:30pm	2nd 7-week
3363	BI55-4	F	11:00am - 1:30pm	15-week
3365	BI55-5	M	6:00pm - 8:35pm	15-week

### session dates

15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## BI 100 – Fundamental Concepts of Biology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, MA 206A, or MA 207A

Intended for non-science majors. Develops an understanding of living systems through the study of selected biological principles. Topics provide an understanding of biological systems as a whole.

3368	BI100-1Lc	MW	8:00am - 9:15am	15-week
3369	BI100-11Lb	M	9:30am - 12:00pm	15-week
3370	BI100-2Lc	MW	12:30pm - 3:05pm	15-week
3371	BI100-21Lb	W	12:30pm - 3:00pm	15-week
3372	BI100-3Lc	T	9:30am - 12:05pm	15-week
3373	BI100-31Lb	Th	9:30am - 12:00pm	15-week
4358	BI100-4Lc	TTh	11:00am - 12:15pm	15-week
4359	BI100-41Lb	Th	12:30pm - 3:00pm	15-week
3375	BI100-5Lc	F	8:00am - 10:35am	15-week
3376	BI100-51Lb	F	11:00am - 1:30pm	15-week
3377	BI100-6Lc	Sat	9:00am - 11:45am	14-week
3378	BI100-61Lb	Sat	12:00pm - 2:45pm	14-week
3379	BI100-7Lc	T	6:00pm - 8:35pm	15-week
3380	BI100-71Lb	Th	6:00pm - 8:30pm	15-week
3381	BI100-HYBLc	☎	NET	15-week
3382	BI100-HYBLb	W	6:00pm - 8:30pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 101 – General Biology (4)

GenEd Science

Prerequisites: Completion of high school biology strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

Intended for science majors, technology majors and pre-allied health majors. Presents a comprehensive survey of modern biology. Uses examples of all kingdoms of organisms to illustrate basic biological principles in cell and molecular biology including classical and molecular genetics and principles of systematics.

3383	BI101-1Lc	MW	8:00am - 9:15am	15-week
3384	BI101-11Lb	M	9:30am - 12:00pm	15-week
4360	BI101-2Lc	MW	8:00am - 9:15am	15-week
4361	BI101-21Lb	W	9:30am - 12:00pm	15-week
4362	BI101-3Lc	M	12:30pm - 3:05pm	15-week
4363	BI101-31Lb	W	12:30pm - 3:00pm	15-week
3385	BI101-4Lc	TTh	12:30pm - 1:45pm	15-week
3386	BI101-41Lb	T	2:00pm - 4:30pm	15-week
4364	BI101-5Lc	T	2:00pm - 4:35pm	15-week
4365	BI101-51Lb	Th	2:00pm - 4:30pm	15-week
3388	BI101-6Lc	F	8:00am - 10:35am	15-week
3389	BI101-61Lb	F	11:00am - 1:30pm	15-week
3392	BI101-7Lc	Sat	9:00am - 11:45am	14-week
3393	BI101-71Lb	Sat	12:00pm - 2:45pm	14-week
3397	BI101-8Lc	T	6:00pm - 8:35pm	15-week
3398	BI101-81Lb	Th	6:00pm - 8:30pm	15-week
4242	BI101-MA1Lc	TTh	8:30am - 9:50pm	Mt. Airy 15-week
4243	BI101-MA11Lb	T	10:00am - 12:50pm	Mt. Airy 15-week
4244	BI101-MA2Lc	Th	6:00pm - 8:50pm	Mt. Airy 15-week
4245	BI101-MA21Lb	T	6:00pm - 8:50pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 102 – General Biology (4)

GenEd Science

Prerequisite: BI 101

A continuation of the comprehensive survey of modern biology with a special emphasis on comparative animal biology which includes physiological adaptations of organisms to various ecological habitats. Origin of life and evolution of organisms are also considered.

3399	BI102-1Lc	T	11:00am - 1:35pm	15-week
3400	BI102-11Lb	Th	11:00am - 1:30pm	15-week
4366	BI102-2Lc	M	6:00pm - 8:35pm	15-week
4367	BI102-21Lb	W	6:00pm - 8:30pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 103 – Anatomy & Physiology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82 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.

3402	BI103-1Lc	MW	8:00am - 9:15am	15-week
3403	BI103-11Lb	M	9:30am - 12:00pm	15-week
4368	BI103-2Lc	MW	12:30pm - 1:45pm	15-week
4369	BI103-21Lb	W	9:30am - 12:00pm	15-week
3405	BI103-3Lc	TTh	8:00am - 9:15am	15-week
3406	BI103-31Lb	T	9:30am - 12:00pm	15-week
3407	BI103-4Lc	TTh	11:00am - 12:15pm	15-week
3408	BI103-41Lb	Th	12:30pm - 3:00pm	15-week
3409	BI103-5Lc	F	8:00am - 10:35am	15-week
3410	BI103-51Lb	F	11:00am - 1:30pm	15-week
3412	BI103-6Lc	Sat	9:00am - 11:45am	14-week
3413	BI103-61Lb	Sat	12:00pm - 2:45pm	14-week
3415	BI103-7Lc	M	5:00pm - 7:35pm	15-week
3416	BI103-71Lb	W	5:00pm - 7:35pm	15-week
4370	BI103-8Lc	TTh	5:00pm - 7:35pm	1st 8-week
4371	BI103-81Lb	TTh	7:45pm - 10:15pm	1st 8-week

Note: Department consent required, contact Sharon Smith, 301-846-2510 or shsmith@frederick.edu. Session dates are January 26 thru March 15, 2016.

4246	BI103-MA1Lc	MW	12:30pm - 1:50pm	Mt. Airy 15-week
4247	BI103-MA11Lb	W	9:00am - 11:50am	Mt. Airy 15-week
4248	BI103-MA2Lc	M	6:00pm - 8:50pm	Mt. Airy 15-week
4249	BI103-MA21Lb	W	6:00pm - 8:50pm	Mt. Airy 15-week
4250	BI103-MA3Lc	Sat	9:00am - 12:00pm	Mt. Airy 15-week
4251	BI103-MA31Lb	Sat	1:00pm - 4:00pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 104 – Anatomy & Physiology (4)

GenEd 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.

3418	BI104-1Lc	MW	8:00am - 9:15am	15-week
3419	BI104-11Lb	M	9:30am - 12:00pm	15-week
4372	BI104-2Lc	MW	12:30pm - 1:45pm	15-week
4373	BI104-21Lb	W	9:30am - 12:00pm	15-week
3421	BI104-3Lc	TTh	12:30pm - 1:45pm	15-week
3422	BI104-31Lb	T	2:00pm - 4:30pm	15-week
4374	BI104-4Lc	TTh	3:30pm - 4:45pm	15-week
4375	BI104-41Lb	Th	12:30pm - 3:00pm	15-week
4376	BI104-5Lc	F	8:00am - 10:35am	15-week
4377	BI104-51Lb	F	11:00am - 1:30pm	15-week
3424	BI104-6Lc	Sat	12:00pm - 2:45pm	14-week
3425	BI104-61Lb	Sat	9:00am - 11:45am	14-week
3426	BI104-7Lc	M	5:00pm - 7:35pm	15-week
3427	BI104-71Lb	W	5:00pm - 7:35pm	15-week
3429	BI104-8Lc	TTh	5:00pm - 7:35pm	2nd 8-week
3430	BI104-81Lb	TTh	7:45pm - 10:15pm	2nd 8-week

Note: Department consent required, contact Sharon Smith, 301-846-2510 or shsmith@frederick.edu. Session dates are March 17 thru May 12, 2016.

4252	BI104-MA1Lc	MW	11:00am - 12:20pm	Mt. Airy 15-week
4253	BI104-MA11Lb	M	8:00am - 10:50am	Mt. Airy 15-week
4254	BI104-MA2Lc	T	6:00pm - 8:50pm	Mt. Airy 15-week
4255	BI104-MA21Lb	Th	6:00pm - 8:50pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 104H – Honors Anatomy & Physiology (4)

GenEd Science

Prerequisite: BI 103

3431	BI104H-1Lc	T	9:30am - 12:05pm	15-week
3432	BI104H-11Lb	Th	9:30am - 12:00pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 107 – Human Biology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, MA 206A, or MA 207A

Presents a study of the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution and/or related topics. Incorporates case studies, group work and information technology. For the non-science major. Meets the requirement for a general education science lab course.

3433	BI107-1Lc	M	12:30pm - 3:05pm	15-week
3434	BI107-11Lb	W	12:30pm - 3:00pm	15-week
4256	BI107-MA1Lc	W	6:00pm - 8:50pm	Mt. Airy 15-week
4257	BI107-MA11Lb	M	6:00pm - 7:50pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 117 – Study of the Human Body (3)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, MA 206A, or MA 207A

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

3435	BI117-1	MW	2:00pm - 4:30pm	2nd 8-week
3436	BI117-2	Th	5:00pm - 7:35pm	15-week

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

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82 and (BI 55 or BI 101 or BI 103 or CH 101)

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

3437	BI120-1Lc	MW	9:30am - 10:45am	15-week
3438	BI120-11Lb	MW	11:00am - 12:15pm	15-week
3439	BI120-12Lb	MW	12:30pm - 1:45pm	15-week
3442	BI120-2Lc	TTh	9:30am - 10:45am	15-week
3443	BI120-21Lb	TTh	11:00am - 12:15pm	15-week
3444	BI120-22Lb	TTh	12:30pm - 1:45pm	15-week
4378	BI120-3Lc	F	8:00am - 10:35am	15-week
4379	BI120-31Lb	F	11:00am - 1:30pm	15-week
3445	BI120-4Lc	Sat	9:00am - 11:45am	14-week
3446	BI120-41Lb	Sat	12:00pm - 2:45pm	14-week
3447	BI120-5Lc	MW	6:20pm - 7:35pm	15-week
3448	BI120-51Lb	MW	7:45pm - 9:00pm	15-week
3450	BI120-6Lc	TTh	6:20pm - 7:35pm	15-week
3451	BI120-61Lb	TTh	5:00pm - 6:15pm	15-week
3452	BI120-62Lb	TTh	7:45pm - 9:00pm	15-week
4258	BI120-MA1Lc	TTh	6:00pm - 7:20pm	Mt. Airy 15-week
4259	BI120-MA11Lb	TTh	7:30pm - 8:50pm	Mt. Airy 15-week
4260	BI120-MA2Lc	F	8:30am - 11:20am	Mt. Airy 15-week
4261	BI120-MA21Lb	F	11:30am - 2:20pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 130 – Forensic Biology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3455	BI130-1Lc	M	12:30pm - 3:05pm	15-week
3456	BI130-11Lb	W	12:30pm - 3:00pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

4380	BI130-ONL1	📱	NET	15-week
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### schedule changes

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## BI 140 – Biotechnology and Society (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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

3459	BI140-1	MW	8:00am - 9:15am	15-week
3460	BI140-ONL1		NET	Mt. Airy 15-week

## BI 201 – General Ecology (4)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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.

3461	BI201-1Lc	TTh	11:00am - 12:15pm	15-week
3462	BI201-11Lb	Th	8:00am - 10:30am	15-week
4381	BI201-2Lc	TTh	12:30pm - 1:45pm	15-week
4382	BI201-21Lb	T	2:00pm - 4:30pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BI 202 – Human Ecology (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

*Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, 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.

3464	BI202-1	Sat	9:00am - 11:45am	14-week
3465	BI202-2	T	6:00pm - 8:35pm	15-week

## BI 220 – Cell Biology and Tissue Culture (4)

*Prerequisites: BI 101 and CH 101*

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

4280	BI220-MAHYBLc	NET		Mt. Airy 15-week
4281	BI220-MAHYBLb	Th	10:30am - 1:15pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## BI 240 – Genetics (4)

*Prerequisites: BI 101 and CH 101*

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

3466	BI240-1Lc	T	8:00am - 10:35am	15-week
3467	BI240-11Lb	Th	8:00am - 10:30am	15-week
4282	BI240-MA1Lc	T	2:00pm - 4:30pm	Mt. Airy 15-week
4283	BI240-MA11Lb	Th	2:00pm - 4:30pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BLD: Building Trades

Please note: all Building Trades courses are held at FCC's Monroe Center, 200 Monroe Avenue, Frederick. See map.

### BLD 101 – Introduction to Building Trades (3)

*Prerequisite: EN 51 or ESL 97*

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.

3118	BLD101-HYB1	W	6:00pm - 8:30pm	15-week
3119	BLD101-ONL1		NET	15-week

### BLD 108 – Duct Design & Installation (3)

*Prerequisite or Corequisite: BLD 109*

Covers duct installation, sizing, making take-offs, modifications, and unit tie-ins. Lectures will cover safety, sizing methods, types of tools used, duct types and applications. In a lab setting, students will learn hands-on how to measure, cut, modify, and install ductwork for various applications. CFM measurements and airflow troubleshooting will also be covered.

3120	BLD108-1Lc	Th	6:00pm - 8:30pm	15-week
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Note: \$70 building trades fee per class.

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

*Prerequisite: EN 51 or ESL 97*

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

3121	BLD109-HYB1	MW	6:00pm - 9:00pm	1st 7-week
4303	BLD109-HYB2	TTh	6:00pm - 9:00pm	2nd 7-week

Note: \$70 building trades fee per class.

### BLD 110 – Controls for HVACR (4)

*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.

3122	BLD110-HYB1	MW	6:00pm - 9:00pm	2nd 7-week
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Note: \$70 building trades fee per class.

### BLD 113 – Air Conditioning and Heat Pumps (4)

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

Teaches students basics of troubleshooting, installation, service and preventative maintenance techniques for heat pumps and air conditioning units. Hands-on experience will be conducted in a lab setting.

3123 BLD113-HYB1 TTh 6:00pm - 9:00pm 1st 7-week

Note: \$70 building trades fee per class.

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

Prerequisite: EN 51 or ESL 97

Introduces basic processes in the welding field. Emphasizes welding safety. Introduces the various types of welding equipment, identification and selection of electrodes, types of welds, and the different welding positions. Explores basic metallurgy (weldability), and welding defects and problems.

3125 BLD121-1Lc MW 9:00am - 12:00pm 1st 7-week  
3126 BLD121-1Lb MW 1:00pm - 4:30pm 1st 7-week  
3129 BLD121-HYB1 MW 5:00pm - 9:00pm 1st 7-week  
4304 BLD121-HYB2 TTh 5:00pm - 9:00pm 2nd 7-week

Note: Students registering for BLD 121-1Lc (lecture) must register for BLD 121-1Lb (lab)

Note: \$125 building trades fee per class.

### BLD 122 – Advanced Welding: SMAW (4)

Prerequisites: BLD 121

Focuses on Shielded Metal Arc Welding (SMAW) and oxyfuel cutting processes on carbon steel. Students will develop skills to weld fillet and groove welds in all positions. Students will perform a SMAW welder performance qualification test on limited thickness test plates in the 3G, uphill position on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code.

3132 BLD122-HYB1 MW 5:00pm - 9:00pm 2nd 7-week

Note: \$125 building trades fee per class.

### BLD 125 – Advanced Welding: GTAW (4)

Prerequisite: BLD 121

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

4305 BLD125-1Lc MW 9:00am - 12:00pm 2nd 7-week  
4306 BLD125-1Lb MW 1:00pm - 4:30pm 2nd 7-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

Note: \$125 building trades fee per class.

### BLD 128 – Advanced Welding: SMAW 4G (4)

Prerequisite: BLD 122

Focuses on Shield Metal Arc Welding (SMAW) and oxyfuel, Plasma Arc, and Carbon Arc cutting processes on carbon steel. Students will develop skills to weld fillet and groove welds in all positions. Students will perform a SMAW welder performance qualification test on limited thickness test plates in the 4G position on carbon steel in accordance with American Welding Society D1.1 Structural Welding Code.

3136 BLD128-HYB1 TTh 5:00pm - 9:00pm 1st 7-week

Note: \$125 building trades fee per class.

### BLD 141 – Electrical Theory & Fundamentals (4)

Prerequisite: EN 51 or ESL 97

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.

4307 BLD141-HYB1 MW 9:00am - 12:00pm 1st 7-week  
4308 BLD141-HYB2 MW 6:00pm - 9:00pm 2nd 7-week  
3140 BLD141-HYB3 TTh 6:00pm - 9:00pm 1st 7-week

Note: \$70 building trades fee per class.

### BLD 142 – Electrical Code & Application (4)

Prerequisite: BLD 141 or permission of program manager

Advances student knowledge and experience 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.

4309 BLD142-HYB1 MW 9:00am - 12:00pm 2nd 7-week  
3142 BLD142-HYB2 TTh 6:00pm - 9:00pm 2nd 7-week

Note: \$70 building trades fee per class.

### BLD 145 – Commercial Electrical Application (4)

Prerequisite: BLD 142 or permission of program manager

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

3144 BLD145-HYB1 MW 6:00pm - 9:00pm 1st 7-week

Note: \$70 building trades fee per class.

## BPM: Bioprocessing

### BPM 102 – Bioprocessing Environment (3)

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

4274 BPM102-ONL1  NET Mt. Airy 15-week

### BPM 103 – Laboratory Techniques I (1)

Prerequisite: Completion of high school biology or chemistry is strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99; MA 82

Focuses on the basic principles and procedures used in all laboratory courses. Includes safety, use of instruments and equipment, basic wetlab skills, laboratory math, and professionalism.

4275 BPM103-MA1 MW 6:00pm - 8:50pm Mt. Airy 1st 7-week

## BPM 110 – Bioprocessing Measurements (4)

*Prerequisite or Corequisite: BPM 103*

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

4276	BPM110-MAHYBLc	🏠	NET	Mt. Airy 2nd 7-week
4277	BPM110-MAHYBLb	MW	6:00pm - 8:50pm	Mt. Airy 2nd 7-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BPM 214 – Techniques in Bioproduction (4)

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

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.

4278	BPM214-MAHYBLc	🏠	NET	Mt. Airy 15-week
4279	BPM214-MAHYBLb	T	10:30am - 1:15pm	Mt. Airy 15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## BU: Business Studies

### BU 103 – Introduction to Business (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3195	BU103-1	MW	9:30am - 10:45am	15-week
3196	BU103-2	MW	12:30pm - 1:45pm	15-week
3197	BU103-3	TTh	8:00am - 9:15am	15-week
3198	BU103-4	TTh	2:00pm - 3:15pm	15-week
3199	BU103-5	F	9:30am - 12:05pm	2nd 7-week
3200	BU103-HYB1	T	6:00pm - 8:35pm	1st 7-week
3201	BU103-HYB2	T	6:00pm - 8:35pm	2nd 7-week
3202	BU103-ONL1	🏠	NET	15-week
4317	BU103-ONL2	🏠	NET	1st 7-week
4284	BU103-MA1	W	6:00pm - 8:50pm	15-week Mt. Airy

### BU 107 – Business Mathematics (3)

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

3203	BU107-ONL1	🏠	NET	15-week
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### BU 109 – Entrepreneurship & Small Business Enterprise (3)

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

3204	BU109-1	MW	11:00am - 12:15pm	15-week
3205	BU109-HYB1	M	6:00pm - 8:35pm	1st 7-week
4334	BU109-HYB2	M	6:00pm - 8:35pm	2nd 7-week

## BU 110 – Personal Financial Management (3)

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

3206	BU110-ONL1	🏠	NET	15-week
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## BU 211 – Business Law I (3)

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

3207	BU211-1	TTh	11:00am - 12:15pm	15-week
4318	BU211-HYB1	Th	6:00pm - 8:35pm	1st 7-week
3208	BU211-ONL1	🏠	NET	15-week

## BU 225 – Marketing (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3209	BU225-1	MW	9:30am - 10:45am	15-week
3210	BU225-2	TTh	11:00am - 12:15pm	15-week
3211	BU225-ONL1	🏠	NET	15-week

## BU 227 – Principles of Management (3)

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

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.

3212	BU227-1	MW	11:00am - 12:15pm	15-week
4319	BU227-HYB1	Th	6:00pm - 8:35pm	2nd 7-week
3213	BU227-ONL1	🏠	NET	15-week

## BU 272 – Supervisory Management (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

3214	BU272-1	T	9:30am - 12:05pm	15-week
3215	BU272-HYB1	W	6:00pm - 8:35pm	2nd 7-week

## BU 273 – Business Communications (3)

*Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3216	BU273-1	TTh	11:00am - 12:15pm	15-week
3217	BU273-HYB1	T	6:00pm - 8:35pm	1st 7-week
3218	BU273-ONL1	🏠	NET	15-week

## BU 274 – Customer Relations (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3219	BU274-1	Th	8:00am - 10:30am	15-week
3220	BU274-ONL1	🏠	NET	15-week



## BU 275 – Fundamentals of Leadership (3)

Prerequisite: EN 50A or EN 61 or ESL 95

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

**3221 BU275-ONL1**  **NET** **15-week**

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

GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives; Cultural Competence

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

**3222 BU281-1** **MW** **12:30pm - 1:45pm** **15-week**  
**3223 BU281-ONL1**  **NET** **15-week**

## BU/MA 205 – Business Statistics (3)

GenEd Mathematics

Prerequisites: MA 82 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or MA 207A or appropriate score on mathematics placement test and (CIS 101 or CIS 111E or CIS 116E) and placement in EN 51 or ESL 97 or higher on the reading placement test

Introductory non-calculus statistics course for business. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests. Students can only receive credit for one of the following: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A. Business Administration students must take BU/MA 205 (not BU/MA 205A).

**3001 BU/MA205-1** **MW** **8:00am - 9:15am** **15-week**  
**3002 BU/MA205-2** **MW** **12:30pm - 1:45pm** **15-week**  
**3003 BU/MA205-3** **TTh** **9:30am - 10:45am** **15-week**  
**3004 BU/MA205-4** **TTh** **11:00am - 12:15pm** **15-week**  
**3005 BU/MA205-5** **M** **6:00pm - 8:35pm** **15-week**

## BU/MA 205A – Business Statistics with Algebra (3)

GenEd Mathematics

Prerequisites: A grade of "C" or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 97 or higher on the reading placement test AND (CIS 101 or CIS 111E or CIS 116E)

**4439 BU/MA205A-1** **MTWTh** **12:30pm - 1:45pm** **15-week**

Note: Students registering for BU/MA 205A must also register for MA A.

## MA A - Instruction with Algebra (0) [2]

GenEd Mathematics

**4453 MAA-1** **ASG** **ASG** **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

## CAD: Computer Aided Design

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

Prerequisite: EN 51 or ESL 97

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.

**3224 CAD101-1** **T** **5:00pm - 7:35pm** **15-week**  
**3225 CAD101-2** **Th** **5:00pm - 7:35pm** **15-week**

### CAD 102 – Introduction to AutoCAD II (3)

Prerequisite: CAD 101

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

**3226 CAD102-1** **M** **5:00pm - 7:35pm** **15-week**

### CAD 130 – Introduction to Revit (BIM) (3)

Prerequisite: EN 51 or ESL 97

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.

**3228 CAD130-HYB1** **Th** **5:00pm - 7:35pm** **1st 7-week**

### CAD 201 – Residential Architecture I (4)

Prerequisite: CAD 102

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

**3229 CAD201-1** **W** **5:00pm - 8:45pm** **15-week**

### CAD 204 – 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.

**3230 CAD204-HYB1** **Th** **5:00pm - 7:35pm** **2nd 7-week**

### CAD 205 – Civil Drafting I with CAD (3)

Prerequisite: CAD 102

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

**3231 CAD205-1** **M** **5:00pm - 7:35pm** **15-week**

### Computer Aided Design Notes:

CAD121—Intro. to Microstation offered spring semester evening only.  
CAD200—Introduction to Architectural Drawing and Design offered fall semester evening only.  
CAD201—Residential Architecture I offered spring semester evening only.  
CAD202—Residential Architecture II offered fall semester evening only.  
CAD205—Civil Drafting with CAD offered spring semester even years evening only.  
CAD207—Civil Drafting II with CAD offered fall semester even years only

## CH: Chemistry

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

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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.

3468	CH100-1Lc	T	8:00am - 10:35am	15-week
3469	CH100-11Lb	Th	8:00am - 10:30am	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### CH 101 – General Chemistry (4)

GenEd Science

*Prerequisites: Completion of high school chemistry strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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.

3472	CH101-1Lc	MW	8:00am - 9:15am	15-week
3473	CH101-11Lb	W	9:30am - 12:00pm	15-week
4383	CH101-2Lc	MW	11:00am - 12:15pm	15-week
4384	CH101-21Lb	M	12:30pm - 3:00pm	15-week
4385	CH101-22Lb	W	12:30pm - 3:00pm	15-week
3474	CH101-3Lc	MW	12:30pm - 1:45pm	15-week
3475	CH101-31Lb	M	9:30am - 12:00pm	15-week
3476	CH101-4Lc	TTh	9:30am - 10:45am	15-week
3477	CH101-41Lb	Th	11:00am - 1:30pm	15-week
3478	CH101-5Lc	TTh	12:30pm - 1:45pm	15-week
3479	CH101-51Lb	T	2:00pm - 4:30pm	15-week
3480	CH101-52Lb	Th	2:00pm - 4:30pm	15-week
3483	CH101-6Lc	F	8:00am - 10:35am	15-week
3484	CH101-61Lb	F	11:00am - 1:30pm	15-week
3485	CH101-7Lc	F	11:00am - 1:35pm	15-week
3486	CH101-71Lb	F	8:00am - 10:30am	15-week
3487	CH101-8Lc	Sat	9:00am - 11:45am	14-week
3488	CH101-81Lb	Sat	12:00pm - 2:45pm	14-week
3489	CH101-9Lc	T	6:00pm - 8:35pm	15-week
3490	CH101-91Lb	Th	6:00pm - 8:30pm	15-week
3491	CH101-HYBLc	🏠	NET	15-week
3492	CH101-HYBLb	M	5:00pm - 7:35pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

3493	CH101-ONL1	🏠	NET	15-week
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#### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

### CH 102 – General Chemistry (4)

GenEd 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.

3494	CH102-1Lc	MW	9:30am - 10:45am	15-week
3495	CH102-11Lb	M	11:00am - 1:30pm	15-week
4386	CH102-2Lc	TTh	9:30am - 10:45am	15-week
4387	CH102-21Lb	Th	11:00am - 1:30pm	15-week
3499	CH102-3Lc	F	11:00am - 1:30pm	15-week
3500	CH102-31Lb	F	8:00am - 10:35am	15-week
3497	CH102-4Lc	Th	5:00pm - 7:35pm	15-week
3498	CH102-41Lb	T	5:00pm - 7:30pm	15-week
3501	CH102-HYBLc	🏠	NET	15-week
3502	CH102-HYBLb	W	5:00pm - 7:30pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### CH 201 – Organic Chemistry (4)

*Prerequisite: CH 102*

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

3503	CH201-1Lc	TTh	12:30pm - 1:45pm	15-week
3504	CH201-11Lb	Th	2:00pm - 4:55pm	15-week
4388	CH201-2Lc	W	5:00pm - 7:35pm	15-week
4389	CH201-21Lb	M	5:00pm - 7:55pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### CH 202 – Organic Chemistry (4)

*Prerequisite: CH 201*

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

3505	CH202-1Lc	TTh	11:00am - 12:15pm	15-week
3506	CH202-11Lb	T	2:00pm - 4:55pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

#### session dates

15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## CIS: Computer & Information Sciences

### CIS 101 – Information Systems and Technology (3)

GenEd Interdisciplinary & Emerging Issues/Computer Literacy

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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 will also learn productivity applications, such as word processing, spreadsheet, presentation, and database software.

3232	CIS101-1	MW	8:00am - 9:15am	15-week
3233	CIS101-2	MW	8:00am - 9:15am	15-week
3234	CIS101-3	MW	9:30am - 10:45am	15-week
4320	CIS101-4	MW	9:30am - 10:45am	15-week
3235	CIS101-5	MW	11:00am - 12:15pm	15-week
3236	CIS101-6	MW	11:00am - 12:15pm	15-week
3237	CIS101-7	MW	12:30pm - 1:45pm	15-week
3238	CIS101-8	MW	12:30pm - 1:45pm	15-week
3239	CIS101-9	MW	2:00pm - 3:15pm	15-week
3240	CIS101-10	TTh	8:00am - 9:15am	15-week
3241	CIS101-11	TTh	9:30am - 10:45am	15-week
3242	CIS101-12	TTh	9:30am - 10:45am	15-week
3243	CIS101-13	TTh	11:00am - 12:15pm	15-week
3244	CIS101-14	TTh	11:00am - 12:15pm	15-week
3245	CIS101-15	TTh	12:30pm - 1:45pm	15-week
3246	CIS101-16	TTh	2:00pm - 3:15pm	15-week
3247	CIS101-17	M	5:00pm - 7:30pm	15-week
3248	CIS101-18	Th	5:00pm - 7:30pm	15-week
3249	CIS101-HYB1	F	10:00am - 12:00pm	10-week
3250	CIS101-HYB2	F	12:30pm - 2:00pm	13-week
3251	CIS101-HYB3	T	7:45pm - 9:15pm	13-week
3252	CIS101-HYB4	Th	7:45pm - 9:15pm	2nd 8-week
3253	CIS101-ONL1	📖	NET	15-week
3254	CIS101-ONL2	📖	NET	15-week
3255	CIS101-ONL3	📖	NET	13-week
3256	CIS101-ONL4	📖	NET	10-week
3257	CIS101-ONL5	📖	NET	2nd 7-week

### CIS 103A – 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.

3258	CIS103A-1	TTh	12:30pm - 1:45pm	15-week
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session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### CIS 106 – Object Design and Programming (3)

GenEd Interdisciplinary & Emerging Issues/Computer Literacy

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, 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.

3259	CIS106-1	MW	9:30am - 10:45am	15-week
3260	CIS106-2	MW	11:00am - 12:15pm	15-week
3261	CIS106-3	MW	12:30pm - 1:45pm	15-week
3262	CIS106-4	MW	2:00pm - 3:15pm	15-week
4321	CIS106-5	TTh	9:30am - 10:45am	15-week
3263	CIS106-6	TTh	11:00am - 12:15pm	15-week
3264	CIS106-7	TTh	12:30pm - 1:45pm	15-week
3265	CIS106-8	TTh	2:00pm - 3:15pm	15-week
3266	CIS106-HYB1	W	5:00pm - 7:00pm	15-week
3267	CIS106-HYB2	Th	6:45pm - 9:15pm	10-week

### CIS 111B – Microcomputer Software Applications: Database (3)

*Prerequisite or Corequisite: CIS 101 or CIS 106*

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

3268	CIS111B-HYB1	W	12:00pm - 2:00pm	2nd 8-week
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### CIS 111E – Microcomputer Software Applications: Spreadsheets (3)

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

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.

3270	CIS111E-HYB1	M	7:45pm - 9:15pm	10-week
3271	CIS111E-HYB2	Th	7:45pm - 9:15pm	2nd 8-week
3272	CIS111E-ONL1	📖	NET	13-week

### CIS 111L – UNIX/Linux Operating System (3)

*Prerequisite: CIS 101 or CIS 106*

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

3273	CIS111L-HYB1	W	5:00pm - 6:15pm	15-week
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### CIS 111M – PC Operating Systems (3)


*Prerequisite: 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.

3274	CIS111M-HYB1LK	M	2:30pm - 3:45pm	15-week
3275	CIS111M-HYB2LK	T	6:30pm - 7:45pm	15-week
3276	CIS111M-HYB3LK	W	5:00pm - 6:30pm	13-week
4322	CIS111M-HYB4LK	Th	3:30pm - 5:00pm	13-week
3277	CIS111M-ONL1LK	📖	NET	2nd 7-week

### CIS 111R – Business Software Applications (3)

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

**3278 CIS111R-ONL1**  **NET** **10-week**

### CIS 116C – 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.

**3279 CIS116C-ONL1**  **NET** **2nd 5-week**

### CIS 116E – 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.

**3282 CIS116E-ONL1**  **NET** **3rd 5-week**

### CIS 116F – Computer Fundamentals (1)

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

**4463 CIS116F-HYB1** **M** **5:00pm - 6:30pm** **2nd 5-week**

**4464 CIS116F-ONL1**  **NET** **3rd 5-week**

### CIS 140 – Java Programming (3)

*Prerequisite: CIS 106*

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

**3283 CIS140-HYB1** **W** **7:15pm - 9:15pm** **13-week**

### CIS 170 – Security Fundamentals (3)

*Prerequisite or Corequisite: CIS 180 or CIS 190*

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

**3284 CIS170-HYB1** **W** **9:30am - 11:45am** **2nd 8-week**

**3285 CIS170-HYB2** **T** **6:00pm - 8:15pm** **2nd 8-week**

**4324 CIS170-ONL1**  **NET** **2nd 7-week**

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

*Prerequisite or Corequisite: CIS 101 or CIS 106*

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

**3286 CIS173-ONL1**  **NET** **2nd 7-week**

### CIS 175 – Game Theory and Design (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

**4434 CIS175-HYB1** **T** **5:00pm - 7:00pm** **10-week**

### CIS 176 – Game Creation (3)

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

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

**4435 CIS176-HYB1** **T** **7:15pm - 9:15pm** **10-week**

### CIS 177 – Interactive 3D Technology (3)

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

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

**4436 CIS177-HYB1** **Th** **6:00pm - 8:15pm** **1st 7-week**

### CIS 178 – 3D Modeling and Animation (3)

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

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

**4437 CIS178-HYB1** **Th** **6:00pm - 8:00pm** **2nd 8-week**

### CIS 179 – Cybersecurity Fundamentals (3)

*Prerequisite or Corequisite: CIS 106*

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

**3287 CIS179-HYB1** **W** **12:00pm - 2:00pm** **1st 7-week**

**3288 CIS179-HYB2** **M** **5:00pm - 6:15pm** **15-week**

### CIS 180 – Networking Fundamentals (3)

*Prerequisite: CIS 106 or CIS 111M*

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

**3289 CIS180-HYB1** **W** **9:30am - 11:45am** **1st 7-week**

**3290 CIS180-HYB2** **T** **6:00pm - 8:30pm** **1st 7-week**

**4325 CIS180-ONL1**  **NET** **1st 7-week**

### CIS 190 – Cisco 1 Networking Fundamentals (3)

*Prerequisite or Corequisite: CIS 106 or CIS 212*

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

**3291 CIS190-HYB1** **M** **6:30pm - 9:00pm** **1st 7-week**

### CIS 191 – Cisco 2 Routing Technologies (3)

*Prerequisite or Corequisite: CIS 190*

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

**3292 CIS191-HYB1** **M** **6:30pm - 8:45pm** **2nd 8-week**



### CIS 192 – Cisco 3 Switching Technologies (3)

*Prerequisite or Corequisite: CIS 191*

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

**3293 CIS192-ONL1**  **NET** **1st 7-week**

### CIS 193 – Cisco 4 WAN Technologies (3)

*Prerequisite or Corequisite: CIS 192*

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

**3294 CIS193-ONL1**  **NET** **2nd 7-week**

### CIS 201 – Computer Science I (4)

*Prerequisites: MA 82 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.

**3295 CIS201-HYB1** **TTh** **9:30am - 10:45am** **15-week**

**3296 CIS201-HYB2** **W** **5:00pm - 7:00pm** **13-week**

### CIS 202 – Computer Science II (4)

*Prerequisites: 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).

**3297 CIS202-HYB1** **M** **7:15pm - 9:30pm** **13-week**

### CIS 203 – Systems Analysis & Design (3)

*Prerequisites: 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.

**3298 CIS203-HYB1** **W** **2:00pm - 3:15pm** **15-week**

**3299 CIS203-HYB2** **W** **5:00pm - 6:15pm** **10-week**

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

*Prerequisite: CIS 203*

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

**3300 CIS204-ONL1**  **NET** **10-week**

### CIS 208 – C++ Programming (3)

*Prerequisite: CIS 106*

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

**4326 CIS208-HYB1** **T** **6:30pm - 9:00pm** **10-week**

### CIS210 – LAN Design & Management

*Prerequisite: CIS 111L or CIS 111M*

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

**4327 CIS210-HYB1** **M** **6:45 - 8:45pm** **2nd 8-week**

### CIS 212 – PC Repair & Diagnostics (3)

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

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

**3302 CIS212-HYB1LK** **M** **3:45pm - 5:00pm** **15-week**

**3303 CIS212-HYB2LK** **T** **7:45pm - 9:00pm** **15-week**

**3304 CIS212-HYB3LK** **W** **6:30pm - 8:00pm** **13-week**

**4328 CIS212-HYB4LK** **Th** **5:00pm - 6:30pm** **13-week**

**3305 CIS212-ONL1LK**  **NET** **1st 7-week**

### CIS 217 – Cybercrime and Digital Forensics Investigation (3)

*Prerequisite: CIS 111L or CIS 111M*

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

**3306 CIS217-HYB1** **M** **6:30pm - 9:00pm** **1st 7-week**

**3307 CIS217-HYB2** **Th** **6:30pm - 8:45pm** **2nd 8-week**

### CIS 218 – Information Security & Assurance (3)

*Prerequisite or Corequisite: CIS 106*

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

**3308 CIS218-HYB1** **Th** **6:30pm - 9:00pm** **1st 7-week**

**4329 CIS218-HYB2** **M** **6:30pm - 8:45pm** **2nd 8-week**

**4330 CIS218-ONL1**  **NET** **2nd 8-week**

### CIS 219 – Ethical Hacking and Systems Defense (3)

*Prerequisite: CIS 106*

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

**3309 CIS219-HYB1** **W** **6:30pm - 9:00pm** **1st 7-week**

**3310 CIS219-HYB2** **W** **6:30pm - 8:45pm** **2nd 8-week**

### CIS 222 – Computer Organization (4)

*Prerequisite: CIS 106*

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

**3311 CIS222-HYB1** **W** **7:15pm - 8:30pm** **10-week**

## CIS 223 – Cloud Security (3)

Prerequisite: CIS 180

Introduces the essentials of 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.

3312	CIS223-HYB1	W	6:30pm - 9:00pm	1st 7-week
4331	CIS223-HYB2	W	6:30pm - 8:45pm	2nd 8-week

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

Prerequisite: CIS 106

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

3313	CIS225C-HYB1	M	5:00pm - 7:00pm	13-week
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## CIS 226 – Game Scripting (3)

Prerequisite: CIS 106

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

3314	CIS226-HYB1	T	5:00pm - 6:15pm	10-week
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## CIS 227 – Game Programming (3)

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.

3315	CIS227-HYB1	M	5:00pm - 7:30pm	13-week
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## CIS 230 – Database Management Systems (3)

Prerequisite: CIS 106

Provides an in-depth study of database management systems and the fundamentals of database design and development. Topics include Structured 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.

4332	CIS230-HYB1	T	7:45pm - 9:15pm	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

### CJ 101 – Introduction to Criminal Justice (3)

Prerequisite: EN 52 or ESL 99

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.

3552	CJ101-1	MW	2:00pm - 3:15pm	15-week
3554	CJ101-2	T	6:00pm - 8:35pm	15-week
3555	CJ101-ONL1	📱	NET	13-week

### CJ 108 – Serial Killers: Psychosocial Perspectives (3)

Prerequisite: EN 52 or ESL 99

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

3556	CJ108-1	T	6:00pm - 8:35pm	15-week
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### CJ 110 – Criminal Law (3)

Prerequisite: EN 101

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

3557	CJ110-1	TTh	9:30am - 11:00am	13-week
3558	CJ110-2	M	6:00pm - 8:35pm	15-week

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

Prerequisites: CJ 101, CJ 110

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

4465	CJ204-1	MW	2:00pm - 3:15pm	15-week
3561	CJ204-2	W	6:00pm - 8:35pm	15-week

### CJ 209 – Introduction to Criminal Investigations (3)

Prerequisite: 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.

3562	CJ209-EX1	F	11:00am - 1:30pm	15-week
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### CJ 214 – The Correctional Process (3)

Prerequisites: EN 50A or EN 61 and EN52 OR ESL 95 and ESL 99, CJ 101

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

3563	CJ214-1	MW	12:30pm - 1:45pm	15-week
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### CJ 220 – Criminal Evidence & Procedure (3)

Prerequisite: CJ 110

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

4466	CJ220-1	MW	3:30pm - 4:45pm	15-week
3564	CJ220-2	M	6:00pm - 8:35pm	15-week

## CMM: Digital Media

### CMM 101 – Introduction to Electronic Media (3)

GenEd Arts and Humanities/Arts

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4035	CMM101-1	MW	8:00am - 9:15am	15-week
4036	CMM101-2	MW	2:00pm - 3:15pm	15-week
4037	CMM101-ONL1	📱	NET	15-week
4038	CMM101-ONL2	📱	NET	2nd 8-week

### CMM 103 – Introduction to Film (3)

GenEd Arts and Humanities/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.

4039	CMM103-1	M	1:00pm - 3:30pm	15-week
4040	CMM103-2	T	6:00pm - 8:35pm	15-week
4041	CMM103-3	Th	6:00pm - 8:35pm	15-week
4042	CMM103-ONL1	📱	NET	15-week

### CMM 105 – Basic Darkroom to Digital Photography (3)

GenEd Arts and Humanities/Arts

*Prerequisites: EN 52 or ESL 99*

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.

4043	CMM105-1	T	9:30am - 12:00pm	15-week
4044	CMM105-2	T	12:30pm - 3:00pm	15-week
4045	CMM105-3	W	3:30pm - 6:00pm	15-week
4046	CMM105-4	Th	12:30pm - 3:00pm	15-week

### CMM 111 – Communications Graphics I (3)

Level one graphic design. Prepares the student for the print graphic design field through the use of the computer. 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.

4048	CMM111-1	MW	9:30am - 10:45am	15-week
4049	CMM111-2	MW	11:00am - 12:15pm	15-week
4050	CMM111-3	MW	12:30pm - 1:45pm	15-week
4052	CMM111-4	TTh	6:00pm - 8:20pm	2nd 8-week

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

*Prerequisite: CMM 111*

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

4473	CMM112-1	TTh	12:30pm - 2:50pm	1st 8-week
4053	CMM112-2C	TTh	3:30pm - 4:45pm	15-week

### CMM 114 – Web Design I (3)

*Prerequisite: CMM 111 or CMM 132*

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

4054	CMM114-1	Sat	1:00pm - 4:40pm	2nd 8-week
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### CMM 115 – Professional & Transfer Portfolio (1)

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.

4056	CMM115-1	MW	12:30pm - 1:45pm	2nd 5-week
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### CMM 131 – 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.

4337	CMM131-1Lc	W	9:30am - 12:00pm	15-week
4338	CMM131-1Lb	M	9:30am - 12:00pm	15-week
4057	CMM131-2Lc	W	12:30pm - 3:00pm	15-week
4058	CMM131-2Lb	M	12:30pm - 3:00pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### CMM 132 – Digital Photography I (3)

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

4061	CMM132-1	TTh	3:30pm - 4:45pm	15-week
4062	CMM132-2	FSat	10:00am - 12:50pm	2nd 8-week

### CMM 152 – Digital Studio Production (4)

Develops digital 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.

4064	CMM152-1C	MW	9:00am - 10:40am	15-week
4065	CMM152-2C	MW	1:00pm - 2:40pm	15-week
4066	CMM152-3C	TTh	9:00am - 10:40am	15-week
4067	CMM152-4C	TTh	6:00pm - 7:40pm	15-week

### CMM 212 – Communication 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.

4474	CMM 212-1	TTh	12:30pm - 3:15pm	2nd 7-week
4068	CMM212-2C	TTh	3:30pm - 4:45pm	15-week

## CMM 252 – Digital Film Production (4)

Prerequisite: CMM 152

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

4069	CMM252-1C	MW	9:00am - 10:40am	15-week
4070	CMM252-2C	MW	1:00pm - 2:40pm	15-week
4071	CMM252-3C	TTh	9:00am - 10:40am	15-week

## CMM 254 – 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.

4072	CMM254-1C	TTh	1:00pm - 2:40pm	15-week
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## CMM 256 – Television Studio Directing and Operations (4)

Prerequisite: CMM 152

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

4073	CMM256-1	TTh	3:00pm - 4:40pm	15-week
4074	CMM256-2C	TTh	6:00pm - 7:40pm	15-week

## CMM 261 – Digital Post Production (4)

Prerequisite: CMM 254

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.

4075	CMM261-1C	TTh	1:00pm - 2:40pm	15-week
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## CMSP: Communications Speech

### CMSP 101 – Introduction to Communication Studies (3)

GenEd Arts and Humanities/Communications

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

4472	CMSP101-1	MW	2:00pm - 3:15pm	15-week
4076	CMSP101-2	TTh	9:30am - 10:45am	15-week

session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## CMSP 103 – Speech Fundamentals (3)

GenEd Arts and Humanities/Communications

Prerequisite: EN 52 or ESL 99

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.

4077	CMSP103-1	MW	8:00am - 9:15am	15-week
4078	CMSP103-2	MW	9:30am - 10:45am	15-week
4079	CMSP103-3	MW	12:30pm - 1:45pm	15-week
4080	CMSP103-4	TTh	8:00am - 9:15am	15-week
4081	CMSP103-5	TTh	9:30am - 10:45am	15-week
4082	CMSP103-6	TTh	11:00am - 12:15pm	15-week
4083	CMSP103-7	TTh	12:30pm - 1:45pm	15-week
4084	CMSP103-8	TTh	2:00pm - 3:15pm	15-week
4085	CMSP103-9	T	6:00pm - 8:35pm	15-week
4086	CMSP103-10	W	5:00pm - 7:35pm	15-week
4087	CMSP103-ONL1	📱	NET	15-week

### CMSP 103H – Honors Speech Fundamentals (3)

GenEd Arts and Humanities/Communications

Prerequisite: EN 52 or ESL 99

4089	CMSP103H-1	TTh	12:30pm - 1:45pm	15-week
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### CMSP 103H – Honors Speech Fundamentals (3)/AR100H- Honors Introduction to the Creative Arts (3)

GenEd Arts and Humanities/Communications

Prerequisite: EN 52 or ESL 99

4339	CMSP103H-LK1	TTh	3:30pm - 4:45pm	15-week
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### CMSP 105 – Group Discussion (3)

GenEd Arts and Humanities/Communications; Cultural Competence

Prerequisite: EN 52 or ESL 99

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.

4090	CMSP105-1	MW	9:30am - 10:45am	15-week
4091	CMSP105-2	MW	11:00am - 12:15pm	15-week
4092	CMSP105-3	MW	12:30pm - 1:45pm	15-week
4093	CMSP105-4	MW	2:00pm - 3:15pm	15-week
4094	CMSP105-5	TTh	9:30am - 10:45am	15-week
4095	CMSP105-6	T	11:00am - 2:00pm	13-week
4096	CMSP105-7	TTh	11:00am - 12:30pm	13-week
4097	CMSP105-8	TTh	12:30pm - 1:45pm	15-week
4098	CMSP105-9	TTh	2:00pm - 3:15pm	15-week
4099	CMSP105-10	TTh	3:30pm - 4:45pm	15-week
4100	CMSP105-11	Th	11:00am - 2:00pm	13-week
4101	CMSP105-12	F	11:00am - 1:35pm	15-week
4102	CMSP105-13	Sat	9:00am - 1:40pm	2nd 8-week
4103	CMSP105-14	M	5:00pm - 7:35pm	15-week
4104	CMSP105-15	M	7:45pm - 10:20pm	15-week
4105	CMSP105-16	T	5:00pm - 8:00pm	13-week
4301	CMSP105-17	Th	5:00pm - 7:35pm	15-week
4106	CMSP105-HYB1	F	11:00am - 2:00pm	15-week



## CMSP 105H – Honors Group Discussion (3)

GenEd Arts and Humanities/Communications; Cultural Competence  
Prerequisite: EN 52 or ESL 99

4107 CMSP105H-1 TTh 9:30am - 10:45am 15-week

## CMSP 107 – Career Communication (3)

GenEd Arts and Humanities/Communications  
Prerequisite: EN 50A or EN 61 or ESL 95

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

4108 CMSP107-1 MW 9:30am - 10:45am 15-week  
4109 CMSP107-2 M 5:00pm - 7:35pm 15-week  
4110 CMSP107-ONL1 📱 NET 15-week

## CMSP 201 – 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.

4111 CMSP201-1 MW 11:00am - 12:15pm 15-week

## CON: Construction

### CON 101 – Introduction to Construction Management (3)

Prerequisite: EN 52 or ESL 99

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.

3316 CON101-1 TTh 8:00am - 9:15am 15-week  
3317 CON101-ONL1 📱 NET 15-week

### CON 131 – Construction Law (3)

Prerequisite: EN 52 or ESL 99

Corequisite: CON 101

Explores construction law and the relationship between owners, engineers, architects, contractors, sub-contractors, suppliers, and attorneys relative to construction legal and contractual issues.

3318 CON131-1 W 5:00pm - 7:35pm 15-week

### CON 133 – Materials & Methods of Construction II (3)

Prerequisite: CON 132

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

3319 CON133-1 T 5:00pm - 7:35pm 15-week

## CON 140 – Architectural Blueprint Reading (3)

Prerequisite: EN 51 or ESL 97

Introduces basic blueprint and construction document reading methodology. Develops the practice of utilizing construction documents as an important communication tool in the construction process. Areas of focus include views, symbols, scales, dimensions, materials, construction methods, and terminology used in the various disciplines included in construction documents.

3320 CON140-1 W 5:00pm - 7:35pm 15-week

## CON 206 – Construction Project Scheduling (3)

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

Introduces the concepts and procedures in preparing a project schedule. Bar charts, critical path method, and computer applications are examined. Students will use sample projects and case studies to apply scheduling concepts.

3322 CON206-1 T 5:00pm - 7:35pm 15-week

### 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 odd years only.  
CON200—Construction Survey offered fall semester only (Monroe Center).  
CON202—Mechanical and Electrical Systems offered spring semester even years only.  
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 even years only.  
CON206—Construction Project Scheduling offered spring semester only.  
CON210—BIM and Construction Management offered fall semester only.

## DR: Drama

See THR – Theatre

## EC: Economics

### EC 201 – Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

Prerequisite: EN 52 or ESL 99

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

3323 EC201-1 MW 8:00am - 9:15am 15-week  
3324 EC201-2 TTh 9:30am - 10:45am 15-week  
3325 EC201-3 TTh 12:30pm - 1:45pm 15-week  
3327 EC201-HYB1 Sat 9:00am - 11:35am 1st 7-week-5  
3328 EC201-HYB2 M 5:00pm - 7:35pm 2nd 7-week  
3326 EC201-HYB3 W 5:00pm - 7:35pm 1st 7-week  
3329 EC201-ONL1 📱 NET 15-week  
4333 EC201-ONL2 📱 NET 1st 7-week

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## EC 202 – Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

Prerequisite: EC 201

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

3330	EC202-1	MW	2:00pm - 3:15pm	15-week
3331	EC202-2	TTh	8:00am - 9:15am	15-week
3332	EC202-3C	TTh	2:00pm - 3:15pm	15-week
3333	EC202-HYB1	W	5:00pm - 7:35pm	2nd 7-week
3334	EC202-HYB2	Sat	9:00am - 11:35am	2nd 7-week-5
3335	EC202-ONL1	🏠	NET	15-week

## EC 202H – Honors Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

Prerequisite: EC 201

3336	EC202H-3C	TTh	2:00pm - 3:15pm	15-week
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## ECD: Early Childhood Development

### ECD 101 – Introduction to Early Childhood Education (3)

Prerequisites: EN 52 or ESL 99

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.

3565	ECD101-1	TTh	9:30am - 10:45am	15-week
3566	ECD101-ONL1	🏠	NET	15-week

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

Prerequisite: EN 52 or ESL 99

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.

3568	ECD104-1	MW	12:30pm - 1:45pm	15-week
3569	ECD104-HYB1	M	6:00pm - 8:30pm	2nd 7-week

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

Prerequisite: EN 52 or ESL 99

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 the Office of Child Care Licensing and Credentialing for Infant/Toddler Lead Teacher.

3570	ECD106-1	W	7:45pm - 10:20pm	15-week
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## ECD 107 – Child Health, Safety and Nutrition (3)

Prerequisite: EN 52 or ESL 99

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.

4351	ECD107-ONL1	🏠	NET	15-week
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### ECD 108 – Activities for the School-Age Child (3)

Prerequisite: EN 52 or ESL 99

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.

4353	ECD108-HYB1	M	6:00pm - 8:30pm	1st 7-week
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### ECD 210 – Directed Practicum in Early Childhood (3)

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

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

3571	ECD210-1	T	9:00am - 1:00pm	15-week
4354	ECD210-2	Th	9:00am - 1:00pm	15-week

### ECD 212 – 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.

3572	ECD212-HYB1	Sat	9:00am - 1:15pm	2nd 7-week-5
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### ECD 213 – Understanding and Guiding the Young Child's Behavior (3)

Prerequisite: ED 100

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

3573	ECD213-HYB1	Sat	9:00am - 1:15pm	1st 7-week-5
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### ECD 230 – Language and Literacy Development in Early Childhood (3)

Prerequisites: ED 100, ECD 104

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

4352	ECD230-ONL1	🏠	NET	1st 8-week
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## ED: Education

### ED 100 – Child Development & Behavior (3)

*Prerequisite: EN 52 or ESL 99*

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.

3574	ED100-1	MW	11:00am - 12:15pm	15-week
4350	ED100-ONL1	📱	NET	15-week

### ED 102 – Schools and Society (3)

GenEd Social & Behavioral Sciences/Education

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99. 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.

3577	ED102-1	MW	9:30am - 10:45am	15-week
3576	ED102-2	MW	12:30pm - 1:45pm	15-week
3578	ED102-3	TTh	11:00am - 12:15pm	15-week
3579	ED102-ONL1	📱	NET	15-week

• Mandatory in-person session for ED102-ONL1 held Saturday, April 16, 1-4pm, Location TBD

### ED 202 – Educational Psychology (3)

*Prerequisites: EN 50A or EN 61 or ESL 95, 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.)

3581	ED202-1	MW	11:00am - 12:15pm	15-week
3582	ED202-ONL1	📱	NET	15-week

### ED 202H – Honors Educational Psychology (3)

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

4432	ED202H-1	MW	11:00am - 12:15pm	15-week
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### ED 203 – Foundations of Special Education (3)

Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99. 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.)

3583	ED203-1	TTh	9:30am - 10:45am	15-week
4357	ED203-2	TTh	12:30pm - 1:45pm	15-week
3584	ED203-ONL1	📱	NET	15-week

### ED/PS 208 – Human Growth & Development (3)

GenEd Social & Behavioral Sciences/Education

*Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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. (This course satisfies the Maryland State Department of Education professional education course work in child or adolescent development.)

3589	ED/PS208-1	MW	8:00am - 9:15am	15-week
3590	ED/PS208-2	MW	9:30am - 10:45am	15-week
3591	ED/PS208-3	MW	11:00am - 12:15pm	15-week
4355	ED/PS208-4	TTh	9:30am - 10:45am	15-week
3592	ED/PS208-5	TTh	11:00am - 12:15pm	15-week
3593	ED/PS208-6	TTh	2:00pm - 3:15pm	15-week
4356	ED/PS208-7	TTh	2:00pm - 4:20pm	2nd 8-week
3594	ED/PS208-8	M	6:00pm - 8:35pm	15-week
3595	ED/PS208-ONL1	📱	NET	15-week
3596	ED/PS208-ONL2	📱	NET	15-week
3598	ED/PS208-ONL3	📱	NET	2nd 8-week
4470	ED/PS208-ONL4	📱	NET	2nd 8-week

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

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

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

3586	ED214-1	TTh	11:00am - 12:15pm	15-week
3587	ED214-ONL1	📱	NET	15-week

## EG: Engineering

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

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, 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.

3507	EG100-1	M	2:00pm - 4:35pm	15-week
3508	EG100-2	W	5:00pm - 7:35pm	15-week

### EG 210 – Mechanics of Materials (3)

*Prerequisites: MA 211, PY 203*

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

3509	EG210-1	TTh	9:30am - 10:45am	15-week
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### EG 211 – Engineering Dynamics (3)

*Corequisite: MA 212*

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

3510	EG211-1	M	7:45pm - 10:20pm	15-week
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## EM: Emergency Management

### EM 130 – Integrated Emergency Management (3)

Prerequisite: EM 102

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

4394 EM130-ONL1  NET 1st 8-week

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

Prerequisite: EM 102

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

4395 EM201-ONL1  NET 1st 8-week

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

Cultural Competence

Prerequisite: EM 102

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

4396 EM203-1 TTh 1:00pm - 3:30pm 2nd 8-week

### EM 205 – Emergency Management Leadership (3)

Prerequisites: EM 104, EM 106, and EM 201

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

4397 EM205-ONL1  NET 2nd 8-week

### EM 210 – Emergency Management Capstone (3)

Prerequisites: EN 101, EM 205

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

4398 EM210-1 TTh 5:30pm - 8:00pm 2nd 8-week

## EN: English & Literature

### EN 50 – 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.

3817 EN50-1 TTh 10:30am - 12:15pm 15-week

3818 EN50-2 Th 5:30pm - 9:00pm 15-week

### EN 51 – 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.

3819 EN51-1 MW 9:00am - 10:45am 15-week

3820 EN51-2 TTh 12:30pm - 2:15pm 15-week

3821 EN51-3 T 5:00pm - 8:45pm 15-week

### EN 52 – Effective College Reading II (0) [4]

Prerequisite: EN 51 or appropriate score on reading placement test

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.

3822 EN52-1 MW 9:00am - 10:45am 15-week

3823 EN52-2 MW 11:00am - 12:45pm 15-week

3824 EN52-3 MW 1:00pm - 2:45pm 15-week

3825 EN52-4 MW 3:00pm - 4:45pm 15-week

3826 EN52-5 TTh 9:00am - 10:45am 15-week

3827 EN52-6 TTh 11:00am - 12:45pm 15-week

3831 EN52-7 TTh 1:00pm - 2:45pm 15-week

3828 EN52-8 TTh 3:00pm - 4:45pm 15-week

3829 EN52-9 W 5:00pm - 8:45pm 15-week

3830 EN52-10 Th 5:00pm - 8:45pm 15-week

### EN 60 – Writing Skills II Part 1 (0) [2]

Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97 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.

3832 EN60-1 MW 12:00pm - 1:45pm 2nd 7-week

3833 EN60-2 TTh 10:00am - 11:45am 2nd 7-week

3834 EN60-3 TTh 12:00pm - 1:45pm 1st 7-week

3835 EN60-4 T 5:30pm - 9:00pm 2nd 7-week

### EN 60 – Writing Skills II Part 1 (0) [2]/EN 61 – Writing Skills II Part 2 (0) [2]

3836 EN60-LK1 MW 9:00am - 10:45am 1st 7-week

3837 EN60-LK2 MW 10:00am - 11:45am 1st 7-week

3838 EN60-LK3 MW 11:00am - 12:45pm 1st 7-week

3839 EN60-LK4 MW 1:00pm - 2:45pm 1st 7-week

3840 EN60-LK5 MW 2:00pm - 3:45pm 1st 7-week

3841 EN60-LK6 TTh 9:00am - 10:45am 1st 7-week

3842 EN60-LK7 TTh 11:00am - 12:45pm 1st 7-week

3843 EN60-LK8 TTh 1:00pm - 2:45pm 1st 7-week

3844 EN60-LK9 M 5:30pm - 9:00pm 1st 7-week

3849 EN61-LK1 MW 9:00am - 10:45am 2nd 7-week

3850 EN61-LK2 MW 10:00am - 11:45am 2nd 7-week

3851 EN61-LK3 MW 11:00am - 12:45pm 2nd 7-week

3852 EN61-LK4 MW 1:00pm - 2:45pm 2nd 7-week

3853 EN61-LK5 MW 2:00pm - 3:45pm 2nd 7-week

3854 EN61-LK6 TTh 9:00am - 10:45am 2nd 7-week

3855 EN61-LK7 TTh 11:00am - 12:45pm 2nd 7-week

3856 EN61-LK8 TTh 1:00pm - 2:45pm 2nd 7-week

3857 EN61-LK9 M 5:30pm - 9:00pm 2nd 7-week

Note: Students must register for corresponding EN 60 and EN 61 linked (LK) sections together.



## EN 61 – Writing Skills II Part 2 (0) [2]

Prerequisite: EN 60 or results of writing placement exam

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

3845	EN61-1	MW	12:00pm - 1:45pm	1st 7-week
3846	EN61-2	TTh	10:00am - 11:45am	1st 7-week
3847	EN61-3	TTh	12:00pm - 1:45pm	2nd 7-week
3848	EN61-4	T	5:30pm - 9:00pm	1st 7-week

## EN 101 – English Composition (3)

GenEd English Composition

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

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

3858	EN101-1	MW	8:00am - 9:15am	15-week
3859	EN101-2	MW	9:30am - 10:45am	15-week
3860	EN101-3	MW	9:30am - 10:45am	15-week
3861	EN101-4	MW	11:00am - 12:15pm	15-week
3862	EN101-5	MW	11:00am - 12:15pm	15-week
3863	EN101-6	MW	12:30pm - 1:45pm	15-week
3899	EN101-7	MW	12:30pm - 1:45pm	15-week
3864	EN101-8	MW	2:00pm - 3:15pm	15-week
3865	EN101-9	MW	2:00pm - 3:15pm	15-week
3866	EN101-10	MW	3:30pm - 4:45pm	15-week
3867	EN101-11	MW	3:30pm - 5:45pm	2nd 8-week
3868	EN101-12	TTh	8:00am - 9:15am	15-week
3869	EN101-13	TTh	9:30am - 10:45am	15-week
3870	EN101-14	TTh	9:30am - 10:45am	15-week
3871	EN101-15	TTh	11:00am - 12:15pm	15-week
3872	EN101-16	TTh	11:00am - 12:15pm	15-week
3873	EN101-17	TTh	12:30pm - 1:45pm	15-week
3875	EN101-18	TTh	2:00pm - 3:15pm	15-week
3876	EN101-19	TTh	2:00pm - 3:15pm	15-week
3877	EN101-20	TTh	3:30pm - 4:45pm	15-week
3878	EN101-21	F	9:30am - 12:15pm	15-week
3880	EN101-22	Sat	9:00am - 11:55am	14-week
3882	EN101-23	M	6:00pm - 8:35pm	15-week
3883	EN101-24	MW	6:00pm - 8:15pm	1st 8-week
3884	EN101-25	T	6:00pm - 8:35pm	15-week
3885	EN101-26	W	6:00pm - 8:35pm	15-week
3886	EN101-27	Th	6:00pm - 8:35pm	15-week
3887	EN101-ONL1	🏠	NET	15-week
3888	EN101-ONL2	🏠	NET	15-week
3889	EN101-ONL3	🏠	NET	15-week
3890	EN101-ONL4	🏠	NET	1st 8-week
3891	EN101-ONL5	🏠	NET	2nd 8-week
4285	EN101-MA1	F	9:00am - 11:50am	15-week

## EN 101 – English Composition (3)/ACE 100-Learning Strategies (2)

3892	EN101-LK1	MW	8:00am - 9:15am	15-week
3893	EN101-LK2	MW	10:30am - 11:45am	15-week
3900	EN101-LK3	MW	12:30pm - 1:45pm	15-week
3894	EN101-LK4	TTh	8:00am - 9:15am	15-week
3895	EN101-LK5	TTh	10:30am - 11:45am	15-week
3896	EN101-LK6	TTh	1:00pm - 2:15pm	15-week
3897	EN101-LK7	Sat	9:00am - 11:55am	14-week
3898	EN101-LK8	W	5:00pm - 7:45pm	15-week
3901	ACE100-LK1	MW	9:30am - 10:20am	15-week
3902	ACE100-LK2	MW	12:00pm - 12:50pm	15-week
3908	ACE100-LK3	MW	2:00pm - 2:50pm	15-week
3903	ACE100-LK4	TTh	9:30am - 10:20am	15-week
3904	ACE100-LK5	TTh	12:00pm - 12:50pm	15-week
3905	ACE100-LK6	TTh	2:30pm - 3:20pm	15-week
3906	ACE100-LK7	Sat	12:10pm - 1:50pm	14-week
3907	ACE100-LK8	W	8:00pm - 9:45pm	15-week

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

## EN 101H – Honors English Composition (3)

GenEd English Composition

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

3910	EN101H-1	MW	12:30pm - 1:45pm	15-week
3909	EN101H-2	MW	2:00pm - 3:15pm	15-week

## EN 102 – English Composition and Literature (3)

GenEd Arts & Humanities/Humanities or Arts & Humanities/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.

3911	EN102-1	MW	8:00am - 9:15am	15-week
3912	EN102-2	MW	9:30am - 10:45am	15-week
3913	EN102-3	MW	11:00am - 12:15pm	15-week
3914	EN102-4	MW	12:30pm - 1:45pm	15-week
3915	EN102-5	MW	2:00pm - 3:15pm	15-week
3916	EN102-6	MW	3:30pm - 4:45pm	15-week
3917	EN102-7	MW	3:30pm - 5:45pm	1st 8-week
3918	EN102-8	MW	3:30pm - 5:45pm	2nd 8-week
3919	EN102-9	TTh	8:00am - 9:15am	15-week
3921	EN102-10	TTh	9:30am - 10:45am	15-week
3922	EN102-11	TTh	11:00am - 12:15pm	15-week
3924	EN102-12	TTh	12:30pm - 1:45pm	15-week
3925	EN102-13	TTh	2:00pm - 3:15pm	15-week
3926	EN102-14	TTh	3:30pm - 4:45pm	15-week
3928	EN102-15	T	5:00pm - 7:35pm	15-week
3929	EN102-16	W	6:00pm - 8:35pm	15-week
3930	EN102-ONL1	🏠	NET	15-week
3931	EN102-ONL2	🏠	NET	15-week

### EN 102H – Honors English Composition and Literature (3)

GenEd Arts & Humanities/Humanities or Arts & Humanities/Communications


Prerequisite: EN 101

<b>3932</b>	<b>EN102H-1</b>	<b>MW</b>	<b>9:30am - 10:45am</b>	<b>15-week</b>
<b>3933</b>	<b>EN102H-2</b>	<b>TTh</b>	<b>11:00am - 12:15pm</b>	<b>15-week</b>

### EN 115 – Technical Writing (3)

Prerequisite: EN 101

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

<b>3934</b>	<b>EN115-ONL1</b>		<b>NET</b>	<b>15-week</b>
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### EN 201 – British Literature (3)

GenEd Arts and Humanities/Humanities

Prerequisite: EN 101

Surveys the literature of Great Britain from the Anglo-Saxon period to the eighteenth century.

<b>3935</b>	<b>EN201-1C</b>	<b>TTh</b>	<b>3:30pm - 4:45pm</b>	<b>15-week</b>
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### EN 201H – Honors British Literature (3)

GenEd Arts and Humanities/Humanities

Prerequisite: EN 101

<b>4302</b>	<b>EN201H-1C</b>	<b>TTh</b>	<b>3:30pm - 4:45pm</b>	<b>15-week</b>
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### EN 204 – American Literature (3)

GenEd Arts and Humanities/Humanities

Prerequisite: EN 101

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

<b>3937</b>	<b>EN204-1</b>	<b>MW</b>	<b>11:00am - 12:15pm</b>	<b>15-week</b>
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### EN 210 – Creative Writing I (A,B, etc.) (3)

Prerequisite: EN 101

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

<b>3939</b>	<b>EN210-1</b>	<b>TTh</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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### EN 212 – Journalism I (3)

Prerequisite: EN 101

Introduces principles of good reporting.

<b>3940</b>	<b>EN212-1C</b>	<b>MW</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### EN 212H – Honors Journalism I (3)

Prerequisite: EN 101

<b>3941</b>	<b>EN212H-1C</b>	<b>MW</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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### EN 216 – The Short Story (3)

GenEd Arts and Humanities/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.

<b>3943</b>	<b>EN216-ONL1</b>		<b>NET</b>	<b>15-week</b>
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### EN/CMM218 – Journalism Publication Practicum (3)

GenEd Arts and Humanities/Humanities or Arts and Humanities/Communications; Cultural Competence

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.

<b>4340</b>	<b>EN/CMM218-1</b>	<b>MW</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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### EN 222 – Creative Writing Practicum: Tuscarora Review Editorial Board (3)

Prerequisite: EN 210 or instructor permission

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

<b>4461</b>	<b>EN222-1</b>	<b>MW</b>	<b>2:00pm-3:15pm</b>	<b>15-week</b>
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### EN 223 – Classical Mythology (3)

GenEd Arts and Humanities/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.

<b>3945</b>	<b>EN223-1</b>	<b>T</b>	<b>7:45pm - 10:20pm</b>	<b>15-week</b>
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### EN 224 – Special Topics in Literature (A,B, etc.) (3)

Prerequisite: EN 101

As an umbrella course, consists of a series of three credit courses dealing with various themes in literature. (Subdivisions in this course will be added to the curriculum as they develop.)

<b>3946</b>	<b>EN224P-1</b>	<b>TTh</b>	<b>11:00am - 12:15pm</b>	<b>15-week</b>
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### EN 226 – Film as Literature (3)

GenEd Arts and Humanities/Humanities

Prerequisite: EN 101

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

<b>3947</b>	<b>EN226-1</b>	<b>W</b>	<b>6:00pm - 8:35pm</b>	<b>15-week</b>
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### EN 230 – African American Literature (3)

GenEd Arts and Humanities/Humanities; Cultural Competence

Prerequisite: EN 101

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

<b>3948</b>	<b>EN230-1</b>	<b>MW</b>	<b>12:30pm - 1:45pm</b>	<b>15-week</b>
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#### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

#### session dates

session	dates	session	dates
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## ESL: English as a Second Language

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

### ESL 70 – Academic Reading I (0) [4]

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

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

4408	ESL70-1	MW	9:30am - 11:15am	15-week
4409	ESL70-2	MW	5:30pm - 7:15pm	15-week

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

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

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

4410	ESL71-1	MW	12:30pm - 2:15pm	15-week
4411	ESL71-2	TTh	5:30pm - 7:15pm	15-week

### ESL 76 – 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.

4412	ESL76-1	TTh	12:30pm - 1:45pm	15-week
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### ESL 95 – English Grammar II for ESL (0) [3]

*Prerequisite: ESL 97 or placement on ESL Assessment*

Builds upon sentence skills with a continued focus on English sentence structure and verb forms, including ESL instruction in mechanics, punctuation, and usage. Designed for students whose native language is not English but who have some prior training in English. Placement is based upon the college's ESL assessment. Students may take this course simultaneously with ESL 93, ESL 98, ESL 99, or any credit course for which they meet the prerequisite.

3949	ESL95-1	MW	8:30am - 9:45am	15-week
3951	ESL95-2	Sat	8:30am - 11:25am	14-week
3950	ESL95-ONL1	📱	NET	15-week

### ESL 99 – Advanced Reading & Writing for ESL (0) [5]

*Prerequisite: ESL 98 or placement on ESL Assessment*

Designed for students whose native language is not English but who have some prior training in using the English language. Includes integrated instruction in listening, speaking, reading, and writing. Likely to take more than one semester to complete. Placement is based upon students' performance on the college's ESL assessment or successful completion of ESL 98: High-Intermediate Reading and Writing for ESL. Students who successfully complete this course may enroll in EN 101: English Composition.

3955	ESL99-1	MW	2:00pm - 4:30pm	15-week
3956	ESL99-2	TTh	9:30am - 12:00pm	15-week
3957	ESL99-3	TTh	5:30pm - 8:00pm	15-week

#### schedule changes

For updates to the schedule and instructor information:

[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## GG: Geography

### GG 101 – Elements of Geography (3)

GenEd Social & Behavioral Sciences/Geography

*Prerequisite: EN 52 or ESL 99*

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

3600	GG101-1	MW	9:30am - 10:45am	15-week
3601	GG101-ONL1	📱	NET	15-week

### GG 102 – Cultural Geography (3)

GenEd Social & Behavioral Sciences/Geography; Cultural Competence

*Prerequisite: EN 52 or ESL 99*

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

3602	GG102-1	TTh	11:00am - 12:30pm	13-week
3603	GG102-2	T	6:00pm - 8:35pm	15-week
3604	GG102-ONL1	📱	NET	15-week

## HE: Health Education

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

GenEd Interdisciplinary & Emerging Issues/Wellness

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

3720	HE102-1	MW	9:30am - 10:45am	15-week
3721	HE102-2	TTh	11:00am - 1:30pm	2nd 7-week
3722	HE102-3	TTh	12:30pm - 2:00pm	15-week
3723	HE102-4	T	2:00pm - 4:30pm	15-week
3724	HE102-5	W	9:30am - 12:00pm	15-week
3725	HE102-6	T	5:00pm - 7:35pm	15-week
3726	HE102-ONL1	📱	NET	15-week
3727	HE102-ONL2	📱	NET	15-week
3728	HE102-ONL3	📱	NET	1st 8-week
3729	HE102-ONL4	📱	NET	2nd 8-week

### HE 110 – Nutrition Basics (1)

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

3730	HE110-1	F	9:30am - 11:30am	1st 7-week
3731	HE110-2	F	9:30am - 11:30am	2nd 7-week
3732	HE110-ONL1	📱	NET	2nd 7-week

### HE 115 – Stress Management Techniques (1)

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

3733	HE115-1	F	9:30am - 11:30am	1st 7-week
3734	HE115-2	F	9:30am - 11:30am	2nd 7-week

### HE 120 – CPR/AED and Basic First Aid (1)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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) Healthcare provider certification in First Aid, Cardio Pulmonary Resuscitation (CPR), and Automated External Defibrillator (AED).

4413	HE120-1	TTh	9:30am - 10:45am	1st 7-week
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## HE 200 – Principles & 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.

3735 HE200-1 TTh 11:00am - 1:30pm 1st 8-week

## HE 201 – Stress Management (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

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

A wellness course designed to aid students in understanding the nature and sources of stress. Stress management coping strategies and relaxation techniques will be introduced.

3736 HE201-1 TTh 8:00am - 9:15am 15-week  
3737 HE201-2 TTh 2:00pm - 3:15pm 15-week  
3739 HE201-3 W 9:30am - 12:00pm 15-week  
3738 HE201-4 W 1:00pm - 3:30pm 15-week  
3740 HE201-5 T 5:00pm - 7:35pm 15-week  
3741 HE201-ONL1 📱 NET 15-week  
3742 HE201-ONL2 📱 NET 15-week

## HE 204 – Health Education (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3743 HE204-1 M 1:00pm - 3:30pm 15-week  
3744 HE204-2 TTh 9:30am - 10:45pm 15-week  
3745 HE204-3 TTh 11:00am - 12:15pm 15-week  
3746 HE204-4 W 1:00pm - 3:30pm 15-week  
3747 HE204-5 M 5:00pm - 7:35pm 15-week  
3748 HE204-ONL1 📱 NET 15-week

## HI: History

### HI 101 – History of Western Civilization (3)

GenEd Social & Behavioral Sciences/History

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3605 HI101-1 MW 8:00am - 9:15am 15-week  
3606 HI101-2 MW 3:30pm - 4:55pm 13-week  
3607 HI101-3 TTh 11:00am - 12:15pm 15-week  
3608 HI101-4 TTh 12:30pm - 1:45pm 15-week  
3609 HI101-5 Th 6:00pm - 8:35pm 15-week

### HI 102 – History of Western Civilization (3)

GenEd Social & Behavioral Sciences/History

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Covers Western history from 1500 to the present.

3610 HI102-1 MW 9:30am - 11:00am 13-week  
3611 HI102-2 T 6:00pm - 8:35pm 15-week  
3613 HI102-ONL1 📱 NET 15-week

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

GenEd Social & Behavioral Sciences/History

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3614 HI201-1 MW 9:30am - 10:45am 15-week  
3615 HI201-2 TTh 8:00am - 9:15am 15-week  
3616 HI201-3 TTh 3:30pm - 4:55pm 13-week  
4346 HI201-4 W 6:00pm - 8:35pm 15-week  
3617 HI201-ONL1 📱 NET 15-week

## HI 202 – History of the United States (3)

GenEd Social & Behavioral Sciences/History

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Covers United States history from Reconstruction to the present.

3619 HI202-1 MW 11:00am - 12:15pm 15-week  
3620 HI202-2 TTh 11:00am - 12:15pm 15-week  
3621 HI202-3 TTh 3:30pm - 5:00pm 13-week  
3622 HI202-4 M 6:00pm - 8:35pm 15-week  
3623 HI202-ONL1 📱 NET 15-week  
4263 HI202-MA1 Th 6:30pm - 9:20pm 15-week

## HI 214 – The Civil Rights Movement (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3624 HI214-1 MW 12:30pm - 1:45pm 15-week

## HOS: Culinary Arts & Hospitality

Note: Most Culinary Arts & Hospitality (HOS) courses are held at FCC's Monroe Center, 200 Monroe Avenue, Frederick. See map.

### HOS 109 – Introduction to Culinary Arts (2)

Concentrates on skills and attributes needed to fill entry level culinary and food service positions. Instruction will assist students in practicing communication skills, utilizing listening skills to follow directions, practicing basic math skills as applied to a culinary arts setting, and reading to gain information and to perform assignments and tasks as directed. Through discussion students will gain insight into a career in restaurants and food/beverage operations. Students will also learn resume writing and job interviewing techniques.

4414 HOS109-1M W 10:00am - 11:30am 15-week  
4415 HOS109-2M W 6:00pm - 8:35pm 1st 7-week

### HOS 110 – Introduction to Hospitality Management (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

4416 HOS110-HYB1M T 6:00pm - 8:35pm 1st 8-week



## HOS 112 – Culinary I (3)

Prerequisite: EN 52 or ESL 99

Corequisites: HOS 109 or HOS 111, 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.

4417	HOS112-1M	M	9:00am - 2:00pm	15-week
4418	HOS112-2M	M	1:00pm - 6:00pm	15-week

## HOS 113 – Culinary II (3)

Prerequisites: HOS 112, grade of "C" or better in HOS 121 or permission of academic program manager

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

4419	HOS113-1M	W	9:00am - 2:00pm	15-week
4420	HOS113-2M	W	1:00pm - 6:00pm	15-week

## HOS 114 – Culinary Baking (3)

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

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

4421	HOS114-1M	T	9:00am - 2:00pm	15-week
4422	HOS114-2M	T	1:00pm - 6:00pm	15-week

## HOS 121 – Sanitation & Food Safety (1)

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 completion of the course can lead to certification as a Safe Food Handler by the National Restaurant Association.

4423	HOS121-1	Sat	9:00am - 11:30am	2nd 5-week
4424	HOS121-ONL1	📱	NET	1st 5-week
4425	HOS121-ONL2	📱	NET	2nd 5-week

## HOS 123 – Purchasing & Cost Control (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Examines food purchasing as a process and emphasizes the dynamics of managing the flow of food through the operation. Provides an introduction to food recognition and basic menu planning and their effects on production, service, labor and other financial control procedures. Emphasizes establishing operating standards, monitoring actual results and taking corrective action to account for variances. Introduces students to the budgeting process with strong emphasis placed on control of prime costs. Offers discussion on selection, training and retention of employees and the effect of Human Resource functions on daily operations and cost control.

4426	HOS123-HYB1M	W	6:00pm - 8:35pm	2nd 7-week
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## HOS 214 – Advanced Baking & Pastry (3)

Prerequisite: HOS 114

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

4427	HOS214-1M	Th	12:00pm - 5:00pm	15-week
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## HOS 215 – Catering and Event Management (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

4428	HOS215-HYB1M	Th	6:00pm - 8:35pm	1st 7-week
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## HOS 216 – Food and Beverage Operations (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

4429	HOS216-HYB1M	Th	6:00pm - 8:35pm	2nd 7-week
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## HOS 218 – Hospitality Information Systems (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99; 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 Internet and private intranets on the hospitality industry.

4430	HOS218-HYB1M	M	6:00pm - 8:35pm	1st 7-week
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## HOS 219 – Foundations of Lodging Management (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Explores lodging facilities and the services provided throughout the guest cycle. Included are the analysis of front desk operations, front office management, marketing, reservations, data processing, guest services, security, executive housekeeping, and night auditing.

4431	HOS219-HYB1M	M	6:00pm - 8:35pm	2nd 7-week
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### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

### session dates

15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## 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.

### AR 100H – Honors Introduction to the Creative Arts (3)/CMSP 103H – Honors Speech Fundamentals (3)

GenEd Arts and Humanities/Arts, GenEd Arts and Humanities/Communications

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

4335	AR100H-LK1	TTh	2:00pm - 3:15pm	15-week
4339	CMSP103H-LK1	TTh	3:30pm - 4:45pm	15-week

Note: Students must register for both AR100H-LK1 and CMSP103H-LK1 together.

### BI 104H – Honors Anatomy & Physiology (4)

GenEd Science

Prerequisite: BI 103

3431	BI104H-1Lc	T	9:30am - 12:05pm	15-week
3432	BI104H-11Lb	Th	9:30am - 12:00pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### CMSP 103H – Honors Speech Fundamentals (3)

GenEd Arts and Humanities/Communications

Prerequisite: EN 52 or ESL 99

4089	CMSP103H-1	TTh	12:30pm - 1:45pm	15-week
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### CMSP 105H – Honors Group Discussion (3)

GenEd Arts and Humanities/Communications; Cultural Competence

Prerequisite: EN 52 or ESL 99

4107	CMSP105H-1	TTh	9:30am - 10:45am	15-week
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### EC 202H – Honors Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

Prerequisite: EC 201

3336	EC202H-3C	TTh	2:00pm - 3:15pm	15-week
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### ED 202H – Honors Educational Psychology (3)

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

4432	ED202H-1	MW	11:00am - 12:15pm	15-week
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### EN 101H – Honors English Composition (3)

GenEd English Composition

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

3910	EN101H-1	MW	12:30pm - 1:45pm	15-week
3909	EN101H-2	MW	2:00pm - 3:15pm	15-week

### EN 102H – Honors English Composition and Literature (3)

GenEd Arts & Humanities/Humanities or Arts & Humanities/Communications

Prerequisite: EN 101

3932	EN102H-1	MW	9:30am - 10:45am	15-week
3933	EN102H-2	TTh	11:00am - 12:15pm	15-week

### EN 201H – Honors British Literature (3)

GenEd Arts and Humanities/Humanities

Prerequisite: EN 101

4302	EN201H-1C	TTh	3:30pm - 4:45pm	15-week
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### EN 212H – Honors Journalism I (3)

Prerequisite: EN 101

3941	EN212H-1C	MW	12:30pm - 1:45pm	15-week
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### ID 200H – Honors Seminar: Special Topics in Interdisciplinary Studies (3) Topic: Food and Culture

Prerequisites: EN 101, MA 82

Operates as an interdisciplinary seminar designed for honors students and open to other qualified students with permission of instructor. Topics vary from semester to semester but will synthesize work from at least two different academic content areas and focus on issues of importance to society.

3644	ID200H-1	F	9:30am - 12:00pm	15-week
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### PC 107H – Honors Introductory Astronomy (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

3524	PC107H-1Lc	M	5:00pm - 7:35pm	15-week
3525	PC107H-11Lb	W	5:00pm - 7:30pm	15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### PS 206H – Honors Abnormal Psychology (3)

Prerequisite: PS 101

4349	PS206H-1	T	6:00pm - 8:30pm	15-week
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## IS: Honors Independent Study

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

Corequisite: IS 912H. Contact the Honors Coordinator for an application, 301.846.2535.

Provides in-depth study of a particular subject. Students work closely with a faculty mentor to conduct original research or produce an artistic work, which is presented to the campus community at the end of the semester. See Honors Coordinator for guidelines and course permission. Honors independent study courses currently available include the following:

### IS 900H – IS: Biology Honors (3)

4286	IS900H-1	TBA		15-week
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### IS 901H – IS: Communication Honors (3)

4287	IS901H-1	TBA		15-week
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### IS 902H – IS: English Honors (3)

4288	IS902H-1	TBA		15-week
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### IS 903H – IS: Mathematics Honors (3)

4289	IS903H-1	TBA		15-week
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### IS 904H – IS: Psychology Honors (3)

4290	IS904H-1	TBA		15-week
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IS 905H – IS: Sociology Honors (3)  
4291 IS905H-1 TBA 15-week

IS 909H – IS: Art Honors (3)  
4292 IS909H-1 TBA 15-week

IS 910H – IS: Physical Science Honors (3)  
4293 IS910H-1 TBA 15-week

IS 911H – IS: History Honors (3)  
4294 IS911H-1 TBA 15-week

IS 912H – Honors Forum (1)  
4295 IS912H-1 TBA 2nd 7-week  
4296 IS912H-2 TBA 2nd 7-week

## HS: Human Services

### HS 102 – Human Relations (3)

GenEd Social & Behavioral Sciences/Human Services; Cultural Competence

Prerequisite: EN 52 or ESL 99

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.

3625	HS102-1	MW	9:30am - 10:45am	15-week
3626	HS102-2	MW	12:30pm - 1:45pm	15-week
3627	HS102-3	MW	3:30pm - 4:45pm	15-week
3628	HS102-4	TTh	8:00am - 9:15am	15-week
3629	HS102-5	TTh	9:30am - 10:45am	15-week
3630	HS102-6	TTh	12:30pm - 1:45pm	15-week
3631	HS102-7	TTh	2:00pm - 3:15pm	15-week
3632	HS102-8	F	10:50am - 1:25pm	15-week
3633	HS102-9	Sat	9:00am - 1:40pm	2nd 8-week
3634	HS102-10	M	7:45pm - 10:20pm	15-week
3635	HS102-11	T	5:00pm - 7:35pm	15-week
3636	HS102-ONL1	📱	NET	15-week

### HS 103 – Introduction to Social Work and the Human Services (4)

Prerequisite: EN 52 or ESL 99

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.

3637	HS103-1	MW	2:00pm - 3:15pm	15-week
3638	HS103-2	M	5:00pm - 7:35pm	15-week

### HS 203 – Introduction to Counseling & Interviewing (3)

Prerequisite: PS 101

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

3639	HS203-1	W	5:00pm - 7:35pm	15-week
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### HS 204 – Ethics and 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.

3640	HS204-HYB1	F	1:30pm - 3:30pm	15-week
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### HS 205 – 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.

3641	HS205-1	TTh	3:30pm - 4:45pm	15-week
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### HS 206 – Pharmacology of Psychoactive Drugs (3)

Prerequisite: PS 101

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

3642	HS206-1	Th	5:00pm - 7:35pm	15-week
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## HU: Humanities

### HU 202 – Humanities II: Culture & Human Experience (Renaissance to the Present) (3)

GenEd Arts and Humanities/Humanities

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Surveys Western culture through study of art, music, literature and philosophy from the sixteenth century to the present.

4112	HU202-1	MW	12:30pm - 1:45pm	15-week
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## ID: Interdisciplinary Studies

### ID 113 – Introduction to Leadership (3)

GenEd Interdisciplinary & Emerging Issues/Interdisciplinary

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3643	ID113-1	T	6:00pm - 8:35pm	15-week
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### ID 200H – Honors Seminar: Special Topics in Interdisciplinary Studies (3) Topic: Food and Culture

Prerequisites: EN 101, MA 82

Operates as an interdisciplinary seminar designed for honors students and open to other qualified students with permission of instructor. Topics vary from semester to semester but will synthesize work from at least two different academic content areas and focus on issues of importance to society.

3644	ID200H-1	F	9:30am - 12:00pm	15-week
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## ID 209 – Ethnic Diversity (3)

GenEd Interdisciplinary & Emerging Issues/Interdisciplinary; Cultural Competence

Prerequisite: EN 52 or ESL 99

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.

3645	ID209-1	TTh	2:00pm - 3:15pm	15-week
3646	ID209-ONL1	📱	NET	15-week

## World War II Through Film (3)

GenEd Interdisciplinary & Emerging Issues/Interdisciplinary

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3648	ID 220	TTh	2:00pm - 3:15pm	15-week
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## ID 225 – Disaster, Crisis and Emergency Management (3)

GenEd Interdisciplinary & Emerging Issues/Interdisciplinary

Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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, historical and social awareness as they travel through the emergencies of past, present and future.

4399	ID225-1	TTh	11:00am - 1:30pm	1st 8-week
4400	ID225-ONL1	📱	NET	1st 8-week

## ID 250 – Global Scholar Experience (3)

GenEd Interdisciplinary & Emerging Issues/Multicultural or Interdisciplinary & Emerging Issues/Interdisciplinary; Cultural Competence

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.

4407	ID250-ONL1	📱	NET	15-week
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## ID 260 – The Language of Hip Hop (3)

GenEd Interdisciplinary & Emerging Issues/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.

4341	ID260-1	TTh	12:30pm - 1:45pm	15-week
4438	ID260-2	TTh	2:00pm - 3:15pm	15-week

## INTR: Internship

### INTR 101,102,103 – Internship (1,2,3)

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.

4297	INTR101-1	TBA	15-week
4298	INTR102-1	TBA	15-week
4299	INTR103-1	TBA	15-week

Additional sections available in various sessions.

## LA: Paralegal

### LA 100 – Introduction to Law (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3649	LA100-HYB1	Sat	9:00am - 1:15pm	1st 7-week-5
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### LA 105 – Torts (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3650	LA105-HYB1	W	12:30pm - 1:45pm	15-week
3651	LA105-ONL1	📱	NET	15-week

### LA 120 – Legal Writing & Documents (3)

Prerequisites: EN 101, LA 110

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

3653	LA120-HYB1	M	6:00pm - 8:30pm	15-week
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### LA 220 – Evidence & Procedure (Civil) (3)

Prerequisite: LA 100

Covers rules governing the admission of evidence at a trial or administrative proceeding. Considers both federal and Maryland law. Explores procedural aspects of civil actions.

3654	LA220-HYB1	Sat	9:00am - 1:15pm	1st 7-week-5
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### LA 240 – Family Law (3)

Prerequisite: LA 100

Develops skills necessary to become an effective legal assistant/paralegal working with family law matters. Explores the fundamentals of family law including: the regulation of marriage; law of divorce; annulment and legal separation; child custody and support; children of unmarried parents; child abuse and neglect; domestic violence; and adoption.

3655	LA240-HYB1	W	6:00pm - 8:30pm	15-week
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## LAR, LF, LG, LI, LL, LR, LS: World Languages

Note: Introductory level courses are not open to native speakers 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, Ana María Pinzón, 301.624.2843, apinzon@frederick.edu.

### LAR 101 – Introductory Arabic I (3)

GenEd Arts and Humanities/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.

**4113 LAR101-1 TTh 11:00am - 12:15pm 15-week**

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

GenEd Arts and Humanities/Humanities

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

**4114 LF101-1 MW 2:00pm - 3:15pm 15-week**

**4115 LF101-ONL1 📱 NET 15-week**

### LF 102 – Introductory French II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LF 101*

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

**4116 LF102-1 MW 3:30pm - 4:45pm 15-week**

### LG 101 – Introductory German I (3)

GenEd Arts and Humanities/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.

**4117 LG101-1 TTh 9:30am - 10:45am 15-week**

### LG 102 – Introductory German II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LG 101*

Continuation of LG 101. Introduces more complicated readings.

**4118 LG102-1 TTh 2:00pm - 3:15pm 15-week**

### LG 202: Intermediate German II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LG 201*

A continuation of LG 201. Introduces and discusses readings in representative German prose and poetry.

**4471 LG202-1 TTh 12:30pm - 1:45pm 15-week**

### LI 101 – Introductory Italian I (3)

GenEd Arts and Humanities/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.

**4119 LI101-1C TTh 3:30pm - 4:45pm 15-week**

### LL 102 – Introductory Latin II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LL 101*

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

**4121 LL102-1C T 5:00pm - 7:35pm 15-week**

### LL 202 – Intermediate Latin II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LL 201*

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

**4122 LL202-1C T 5:00pm - 7:35pm 15-week**

### LR 101 – Introductory Russian I (3)

GenEd Arts and Humanities/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.

**4123 LR101-1 MW 5:00pm - 6:15pm 15-week**

### LR 102 – Introductory Russian II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LR 101*

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

**4124 LR102-1 MW 6:30pm - 7:45pm 15-week**

### LS 101 – Introductory Spanish I (3)

GenEd Arts and Humanities/Humanities

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

**4125 LS101-1 MTWTh 9:30am - 10:45am 1st 7-week**

**4126 LS101-2 MW 9:30am - 10:45am 15-week**

**4127 LS101-3 MW 12:30pm - 1:45pm 15-week**

**4128 LS101-4 TTh 11:00am - 12:15pm 15-week**

**4129 LS101-5 TTh 2:00pm - 3:15pm 15-week**

**4130 LS101-6 TTh 6:00pm - 8:30pm 1st 8-week**

**4131 LS101-ONL1 📱 NET 15-week**

### LS 102 – Introductory Spanish II (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: LS 101*

Serves as a continuation of Introductory Spanish I. Introduces more complicated readings.

**4132 LS102-1 MTWTh 9:30am - 10:50am 2nd 7-week**

**4133 LS102-2 TTh 11:00am - 12:15pm 15-week**

**4134 LS102-3 TTh 12:30pm - 1:45pm 15-week**

**4135 LS102-ONL1 📱 NET 15-week**

### LS 201 – Intermediate Spanish I (3)

GenEd Arts and Humanities/Humanities; Cultural Competence

*Prerequisite: LS 102*

Presents advanced grammar and composition with selected readings pertinent to the intermediate level. Group discussions in Spanish.

**4343 LS201-1 TTh 12:30pm - 1:45pm 15-week**

### LS 202 – Intermediate Spanish II (3)

GenEd Arts and Humanities/Humanities; Cultural Competence

*Prerequisite: LS 102*

Develops oral fluency and language skills through interpretation and discussion of select readings, videos, songs and cultural experiences.

**4137 LS202-1 MW 11:00am - 12:15pm 15-week**

## MA: Mathematics

### MA 80–Pre-Algebra (0) [1]

*Prerequisite:* Placement in EN 51 or ESL 97 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.

3013	MA80-1	MW	11:00am - 12:15pm	1st 5-week
3014	MA80-2	MW	12:30pm - 1:45pm	1st 5-week
3015	MA80-3	MW	2:00pm - 3:15pm	1st 5-week
3012	MA80-A1	MW	9:30am - 12:30pm	1st 5-week
3016	MA80-A2	MW	6:00pm - 9:00pm	1st 5-week

Note: MA80-A1 and MA80-A2 are open to ABE students only.

Students must register for MA80-A1 and MA81-A1CW or MA80-A2 and MA81-A2CW.

### MA 81–Introductory Algebra (0) [4]

*Prerequisites:* Placement in EN 51 or ESL 97 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 skill practice throughout the course.

3023	MA81-3	MW	11:00am - 12:40pm	15-week
3019	MA81-4	MTWTh	11:00am - 12:15pm	10-week
4456	MA81-5	MW	1:00pm - 2:40pm	15-week
3021	MA81-6	MTWTh	2:00pm - 3:15pm	10-week
3026	MA81-7	TTh	9:00am - 10:40am	15-week
4457	MA81-8	TTh	9:00am - 10:40am	15-week
4458	MA81-9	TTh	11:00am - 12:40pm	15-week
4459	MA81-10	TTh	1:00pm - 2:40pm	15-week
3029	MA81-11	TTh	1:00pm - 2:40pm	15-week
3024	MA81-12	F	8:00am - 11:20am	15-week
3025	MA81-13	Sat	9:00am - 12:45pm	14-week
3027	MA81-14	MW	6:00pm - 7:40pm	15-week
3028	MA81-15	TTh	6:30pm - 8:10pm	15-week
3020	MA81-SH	MTWTh	12:30pm - 1:45pm	10-week
3018	MA81-A1CW	MTWTh	9:30am - 10:45am	10-week
3022	MA81-A2CW	MTWTh	6:00pm - 7:15pm	10-week

Note: MA81-A1CW and MA81-A2CW are open to ABE students only.

Students must register for MA80-A1 and MA81-A1CW or MA80-A2 and MA81-A2CW.

#### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

#### session dates

15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### MA 82 – Intermediate Algebra (0) [4]

*Prerequisites:* A grade of "B" or better in MA 81 or appropriate score on mathematics placement test, and placement in EN 51 or ESL 97 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.

3030	MA82-1	MW	9:00am - 10:40am	15-week
3033	MA82-2	MW	11:00am - 12:40pm	15-week
3035	MA82-3	MW	1:00pm - 2:40pm	15-week
3036	MA82-4	MW	3:00pm - 4:40pm	15-week
3039	MA82-5	TTh	9:00am - 10:40am	15-week
3040	MA82-6	TTh	11:00am - 12:40pm	15-week
3041	MA82-7	TTh	1:00pm - 2:40pm	15-week
3042	MA82-8	TTh	3:00pm - 4:40pm	15-week
3043	MA82-9	F	8:00am - 11:20am	15-week
3044	MA82-10	Sat	9:00am - 12:45pm	14-week
3046	MA82-11	MW	6:00pm - 7:40pm	15-week
3048	MA82-12	TTh	6:00pm - 7:40pm	15-week
3049	MA82-HYB1	W	1:00pm - 2:40pm	15-week

### MA 85 – Introductory and Intermediate Algebra (0) [6]

*Prerequisites:* Placement in EN 51 or ESL 97 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.

3051	MA85-1	MTWTh	9:30am - 10:45am	15-week
3053	MA85-2	MTWTh	12:30pm - 1:45pm	15-week
3056	MA85-3	MW	6:00pm - 8:35pm	15-week

### MA 103 – Foundations of Mathematics (3)

GenEd Mathematics

*Prerequisite:* 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.

3058	MA103-1	MW	8:00am - 9:15am	15-week
3063	MA103-2	TTh	12:30pm - 1:45pm	15-week
3060	MA103-3	TTh	2:00pm - 3:15pm	15-week
3061	MA103-4	F	8:00am - 10:35am	15-week
3062	MA103-5	M	6:00pm - 8:35pm	15-week
3064	MA103-ONL1	📱	NET	15-week
3065	MA103-ONL2	📱	NET	15-week

### MA 103A – Foundations of Mathematics with Algebra (3)

GenEd Mathematics

*Prerequisites:* A grade of "C" or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 97 or higher on the reading placement test

4440	MA103A-1	MTWTh	11:00am - 12:05pm	15-week
4441	MA103A-2	MTWTh	2:00pm - 3:05pm	15-week
4442	MA103A-3	MW	6:00pm - 8:10pm	15-week

Note: Students registering for MA 103A must also register for MA A.

MA A - Instruction with Algebra (0) [2]  
 4453 MAA-1 ASG ASG 15-week

**MA 105 – Fundamental Concepts of Mathematics I (4)**

GenEd Mathematics  
*Prerequisite: A grade of –C– or better in MA 82 or appropriate score on mathematics placement test*  
 Note: MA105 is designed and recommended for education majors only.  
 A study of the real number system for early childhood education and elementary education students. Provides a comprehensive conceptually-based background in elementary mathematics. Topics include historical development of numeration systems, decimal notation, arithmetic algorithms in decimal and other bases, elementary set theory and number theory. Emphasizes problem-solving strategies.

3066	MA105-1	MW	11:00am - 12:05pm	15-week
3067	MA105-2	TTh	9:00am - 10:40am	15-week
3068	MA105-3	TTh	5:00pm - 6:40pm	15-week

**MA 106 – Fundamental Concepts of Mathematics II (4)**

GenEd Mathematics  
*Prerequisite: A grade of –C– or better in MA 82 or appropriate score on mathematics placement test. It is recommended that students pass MA 105 before taking this course.*  
 Note: MA106 is designed and recommended for education majors only.  
 A study of the fundamentals of geometry for early childhood education and elementary education students. Provides a conceptually-based background in geometry including plane and solid, metric and non-metric, dimensional analysis, congruence and similarity, coordinate and transformational geometry. Emphasizes problem-solving skills and the appropriate use of technology including calculators and computers.

3069	MA106-1	MW	9:00am - 10:40am	15-week
3070	MA106-2	TTh	7:00pm - 8:40pm	15-week

**MA 111 – Precalculus (4)**

GenEd Mathematics  
*Prerequisite: A grade of –B– or better in MA 82*  
 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.

3071	MA111-1	MW	1:00pm - 2:40pm	15-week
3072	MA111-2	MW	3:00pm - 4:40pm	15-week
3073	MA111-3	TTh	9:00am - 10:40am	15-week
3074	MA111-4	TTh	11:00am - 12:40pm	15-week
3075	MA111-5	TTh	1:00pm - 2:40pm	15-week
3076	MA111-6	MW	5:00pm - 6:40pm	15-week
3077	MA111-ONL1	📺	NET	15-week

**MA 130 – College Algebra (3)**

GenEd Mathematics  
*Prerequisite: A grade of –C– or better in MA 82 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.

3078	MA130-1	MW	8:00am - 9:15am	15-week
3079	MA130-2	MW	9:30am - 10:45am	15-week
4310	MA130-3	MW	11:00am - 12:15pm	15-week
4311	MA130-4	MW	2:00pm - 3:15pm	15-week
3080	MA130-5	TTh	9:30am - 10:45am	15-week
3081	MA130-6	TTh	12:30pm - 1:45pm	15-week
3082	MA130-7	TTh	3:30pm - 5:00pm	13-week
3083	MA130-8	Sat	9:00am - 11:45am	14-week
3084	MA130-9	MW	5:00pm - 6:45pm	13-week

**MA 131 – Trigonometry with Analytic Geometry (3)**

GenEd Mathematics  
*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.

3085	MA131-1	TTh	11:00am - 12:15pm	15-week
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**MA 201 – Applied Calculus (3)**

GenEd Mathematics  
*Prerequisite: A grade of –B– or better in MA 82 or appropriate score on the mathematics placement test*  
 A one-semester course for students in business, biology, social sciences, and technical programs. Covers methods for finding the derivatives and integrals of algebraic and transcendental functions with applications in each program.

3086	MA201-1	MW	11:00am - 12:15pm	15-week
3087	MA201-2	TTh	2:00pm - 3:15pm	15-week

**Transferring?**  
 Here are some things you should know:

We have **articulation agreements** with many area colleges to ease your transition and transfer of your FCC credits. For a list of agreements, see the FCC catalog or visit the FCC Transfer Center website.

Navigate the transfer process with a **“My Transfer Plan”** booklet. Get your copy in the Career & Transfer Center or download your copy from the FCC Transfer Center website.

For more information about transferring, visit us in the

**Career & Transfer Center**

(J-201 Enrollment Services Building)

**301.846.2594**

**schedule changes**

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

### MA 202 – Introduction to Discrete Mathematics (3)

GenEd Mathematics

*Prerequisite:* A grade of "B" or better in MA 82 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.

**3088 MA202-1 MW 12:30pm - 1:45pm 15-week**

### BU/MA 205 – Business Statistics (3)

GenEd Mathematics

*Prerequisites:* MA 82 or MA 85 or MA 103 or MA 103A or MA 206 or MA 206A or MA 207 or MA 207A or appropriate score on mathematics placement test and (CIS 101 or CIS 111E or CIS 116E) and placement in EN 51 or ESL 97 or higher on the reading placement test

Introductory non-calculus statistics course for business. Topics include descriptive analysis and treatment of data, probability, statistical inference, linear regression and correlation, chi-square tests and non-parametric tests. Students can only receive credit for one of the following: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A. Business Administration students must take BU/MA 205 (not BU/MA 205A).

**3001 BU/MA205-1 MW 8:00am - 9:15am 15-week**  
**3002 BU/MA205-2 MW 12:30pm - 1:45pm 15-week**  
**3003 BU/MA205-3 TTh 9:30am - 10:45am 15-week**  
**3004 BU/MA205-4 TTh 11:00am - 12:15pm 15-week**  
**3005 BU/MA205-5 M 6:00pm - 8:35pm 15-week**

### BU/MA 205A – Business Statistics with Algebra (3)

GenEd Mathematics

*Prerequisites:* A grade of "C" or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 97 or higher on the reading placement test AND (CIS 101 or CIS 111E or CIS 116E)

**4439 BU/MA205A-1 MTWTh 12:30pm - 1:45pm 15-week**

Note: Students registering for BU/MA 205A must also register for MA A.

### MA A - Instruction with Algebra (0) [2]

**4453 MAA-1 ASG ASG 15-week**

### MA 206 – Elementary Statistics (3)

GenEd Mathematics

*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: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A.

**3090 MA206-1 MW 8:00am - 9:15am 15-week**  
**3089 MA206-2 MW 9:30am - 10:45am 15-week**  
**4314 MA206-3 MW 11:00am - 12:15pm 15-week**  
**4315 MA206-4 MW 12:30pm - 1:45pm 15-week**  
**4316 MA206-5 MW 2:00pm - 3:15pm 15-week**  
**3091 MA206-6 TTh 8:00am - 9:15am 15-week**  
**3092 MA206-7 TTh 11:00am - 12:15pm 15-week**  
**3093 MA206-8 TTh 3:30pm - 4:45pm 15-week**  
**3094 MA206-9 F 11:00am - 1:35pm 15-week**  
**3096 MA206-10 T 6:00pm - 8:35pm 15-week**  
**3097 MA206-11 W 6:00pm - 8:35pm 15-week**  
**3098 MA206-12 Th 5:30pm - 8:05pm 15-week**  
**3099 MA206-ONL1 🏠 NET 15-week**  
**3100 MA206-ONL2 🏠 NET 15-week**

### MA 206A – Elementary Statistics with Algebra (3)

GenEd Mathematics

*Prerequisites:* A grade of "C" or better in MA 81 or appropriate score on mathematics placement test AND placement in EN 51 or ESL 97 or higher on the reading placement test

**4445 MA206A-1 MTWTh 8:00am - 9:05am 15-week**  
**4450 MA206A-2 MTWTh 9:30am - 10:45am 15-week**  
**4446 MA206A-3 MTWTh 11:00am - 12:05pm 15-week**  
**4447 MA206A-4 MTWTh 12:30pm - 1:35pm 15-week**  
**4448 MA206A-5 MTWTh 3:30pm - 4:35pm 15-week**  
**4449 MA206A-6 TTh 6:00pm - 8:10pm 15-week**

Note: Students registering for MA 206A must also register for MA A.

### MA A - Instruction with Algebra (0) [2]

**4453 MAA-1 ASG ASG 15-week**

### MA 207 – Elementary Statistics with Probability (4)

GenEd Mathematics

*Prerequisite:* 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 can only receive credit for one of the following: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A. Note: AAT students should take MA 207 rather than MA 207A.

**3101 MA207-1 MW 11:00am - 12:40pm 15-week**  
**3103 MA207-HYB1 M 5:00pm - 6:40pm 15-week**  
**4300 MA207-MA1 TTh 8:00am - 9:50am 15-week**

### MA 210 – Calculus I (4)

GenEd Mathematics

*Prerequisite:* A 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.

**3104 MA210-1 MW 11:00am - 12:40pm 15-week**  
**3105 MA210-2 TTh 9:00am - 10:40am 15-week**  
**3106 MA210-3 TTh 1:00pm - 2:40pm 15-week**  
**3107 MA210-4 TTh 5:00pm - 6:40pm 15-week**  
**3108 MA210-ONL1 🏠 NET 15-week**

### MA 211 – Calculus II (4)

GenEd Mathematics

*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.

**3109 MA211-1 MW 1:00pm - 2:40pm 15-week**  
**3110 MA211-2 TTh 11:00am - 12:40pm 15-week**  
**3111 MA211-3 TTh 5:00pm - 6:40pm 15-week**  
**4468 MA211-ONL1 🏠 NET 15-week**



### MA 212 – Calculus III (4)

GenEd Mathematics

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.

3113	MA212-1	TTh	11:00am - 12:40pm	15-week
3112	MA212-2	TTh	6:00pm - 7:40pm	15-week

### MA 213 – Differential Equations (3)

GenEd Mathematics

Prerequisite: MA 211

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

3114	MA213-1	MW	2:00pm - 3:15pm	15-week
3115	MA213-2	TTh	5:00pm - 6:15pm	15-week

### MA 214 – Introduction to MatLab (3)

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.

3116	MA214-HYB1	T	9:30am - 10:15am	1st 5-week
4460	MA214-HYB2	Th	9:30am - 10:15am	1st 5-week

## MDA: Medical Assistant

### MDA 101 – Foundations of Medical Assisting I (2)

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.

3337	MDA101-1	TTh	6:30pm - 8:45pm	1st 7-week
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### MDA 102 – Foundations of Medical Assisting II (2)

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.

3338	MDA102-1	TTh	6:30pm - 8:45pm	2nd 7-week
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### MDA 108 – Basic Medical Terminology (1)

Prerequisite or Corequisite: EN 52 or ESL 99

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

3339	MDA108-HYB1	T	2:00pm - 3:15pm	1st 7-week
3341	MDA108-HYB2M	W	6:00pm - 7:15pm	1st 7-week
3342	MDA108-HYB3M	W	6:00pm - 7:15pm	2nd 7-week

### MDA 109 – Medical Terminology (3)

Prerequisite: EN 52 or ESL 99

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.

3343	MDA109-HYB1	Th	9:30am - 10:45am	15-week
3344	MDA109-HYB2	Th	3:30pm - 4:45pm	15-week
3345	MDA109-HYB3	M	6:00pm - 8:35pm	1st 7-week
3347	MDA109-ONL1	📱	NET	15-week

### MDA 110 – Pharmacology for Medical Office Practice (3)

Prerequisite: EN 52 or ESL 99; 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.

3348	MDA110-HYB1	T	11:00am - 12:15pm	15-week
3349	MDA110-ONL1	📱	NET	2nd 7-week

### MDA 112 – Medical/Administrative Office Applications (3)

Prerequisite or Corequisite: MDA 109

Covers the general flow of information in a medical office and the role that computers play in administrative tasks. Simulation software is used to reflect today's office environment such as variety in fee schedules, patient scheduling, and office hour organization. Students will perform additional office procedures including Insurance claims and financial tasks.

3350	MDA112-HYB1	W	6:00pm - 8:35pm	1st 7-week
3351	MDA112-ONL1	📱	NET	2nd 7-week

### MDA 201 – Medical Assisting Laboratory Procedures (4)

Prerequisites: MDA 102; Corequisite: Gen Ed lab science (recommend BI 101, CH 101, BI 130)

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

3352	MDA201-1	F	8:00am - 1:20pm	1st 7-week
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### MDA 202 – Medical Assisting Clinical Skills (4)

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 a centrifuge and audiometer.

3353	MDA202-1	F	8:00am - 1:20pm	2nd 7-week
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### MDA 204 – Medical Assisting Clinical II (2)

Prerequisite or Corequisite: MDA 202

Provides students with supervised patient-care experience in the medical office. Emphasis is placed on enhancing competence in clinical and laboratory skills necessary for comprehensive patient care and strengthening professional communications and interactions.

4462	MDA204-1	ASG		2nd 7-week
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### MDA 216 – Medical Coding Basics (3)

*Prerequisite or Corequisite: CIS 101*

Introduces the structure and conventions of diagnostic ICD (International Classification of Diseases) and procedural CPT (Current Procedural Terminology) coding. Covers a variety of medical specialties and coding issues encountered in healthcare providers offices. Broadens medical coding knowledge and enhances medical coding skills with hands-on simulations using a widely accepted medical coding software package.

3354	MDA216-1	TTh	5:00pm - 6:15pm	15-week
3355	MDA216-HYB1	T	6:00pm - 8:35pm	1st 7-week

### MDA 218 – Health Insurance Billing and Reimbursement (3)

*Prerequisite or Corequisite: MDA 216*

Introduces processing of health insurance claims including plan options, payer requirements, state and federal regulations, abstraction of source documents, accurate completion of claims, coding of diagnoses, and procedures/services. Includes the following types of insurance: Commercial Insurance, Blue Cross Blue Shield, Medicare, Medicaid, TRICARE, and Workers' Compensation. Emphasis on CMS Reimbursement Methodologies will be incorporated in the curriculum.

3356	MDA218-HYB1	T	6:00pm - 8:35pm	2nd 7-week
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### MDA 220 – Electronic Health Records (3)

*Prerequisites or Corequisites: MDA 109, CIS 101*

Introduces students to Electronic Health Records (EHR) through an examination of existing transitions and structures between medical facilities. Practical applications and guided exercises will enable the student to be prepared for changes in the healthcare field.

3357	MDA220-ONL1	🏠	NET	1st 7-week
3358	MDA220-ONL2	🏠	NET	2nd 7-week

### MDA 222 – Introduction to Federal Healthcare Programs and Laws (3)

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

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.

3359	MDA222-HYB1	Sat	9:00am - 11:30am	2nd 7-week-5
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## MU: Music

### MU 101 – Introduction to Music History & Appreciation (3)

GenEd Arts and Humanities/Arts

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Presents a study of music masterpieces of the past and present through reading, listening and analysis.

4138	MU101-1	MW	9:30am - 10:45am	15-week
4139	MU101-2	TTh	11:00am - 12:15pm	15-week
4140	MU101-ONL1	🏠	NET	15-week

### MU 103 – Fundamentals of Music (3)

GenEd Arts and Humanities/Arts

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4141	MU103-1	MW	11:00am - 12:15pm	15-week
4142	MU103-2	TTh	12:30pm - 1:45pm	15-week
4143	MU103-3	M	6:00pm - 8:35pm	15-week
4144	MU103-ONL1	🏠	NET	15-week

### MU 106 – Aural & 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.

4145	MU106-1	MW	9:30am - 10:20am	15-week
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### MU 107 – Aural & Keyboard Skills II (1)

*Prerequisite: MU 106*

A continuation of Aural and Keyboard Skills I, coordinated with material presented in Music Theory II, including more difficult triad types and seventh chords, non-harmonic tones, part-singing, syncopated rhythms, cadences, harmonic progressions and modulations.

4146	MU107-1	TTh	2:30pm - 3:20pm	15-week
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### MU 108 – Survey of World Music (3)

GenEd Arts and Humanities/Arts or GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4147	MU108-1	TTh	2:00pm - 3:15pm	15-week
4148	MU108-ONL1	🏠	NET	15-week

### MU 109 – History of American Popular Music (3)

GenEd Arts and Humanities/Arts

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4149	MU109-1	TTh	9:30am - 10:45am	15-week
4150	MU109-ONL1	🏠	NET	15-week

### MU 111 – Music Theory I (3)

*Prerequisite: MU 103*

Presents a study of diatonic harmony through four-part writing and analysis of music. Includes sight-singing, rhythmic and melodic dictation. Private instruction is recommended concurrently.

4151	MU111-1	TTh	9:30am - 10:45am	15-week
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### MU 112 – Music Theory II (3)

*Prerequisite: MU 111*

A continuation of Theory I, with more advanced harmony. Introduces contrapuntal technique. Offers more advanced dictation skills, beginning composition using course skills.

4152	MU112-1	TTh	3:30pm - 4:45pm	15-week
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### MU 118 – 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.

**4153 MU118-1C T 7:45pm - 10:20pm 15-week**  
**MU 120 – 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.

**4154 MU120-1 M 7:30pm - 9:30pm 15-week**  
**4155 MU120-2C W 7:45pm - 10:10pm 15-week**

**MU 122 – 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.

**4156 MU122-1C Th 7:00pm - 9:30pm 15-week**

**MU 124 – 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.

**4157 MU124-1C W 6:30pm - 9:00pm 15-week**

**MU 130 – Foundations of Audio Technology (3)**  
*Prerequisite or Corequisite: EN 52 or ESL 99*  
 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.

**4158 MU130-1 TTh 11:00am - 12:15pm 15-week**

**MU 135 – Audio Recording Techniques (3)**  
*Prerequisite: MU 130*  
 Provides an in-depth exploration of microphone technology, analog and digital theory, and recording systems. Students will explore techniques for recording in the tonmeister style of engineering, particularly as it relates to microphone techniques and editing using a digital audio workstation.

**4159 MU135-1 TTh 3:30pm - 4:45pm 15-week**

**MU 145 – Publishing, Licensing, and Copyrighting (3)**  
*Prerequisite or Corequisite: EN 52 or ESL 99*  
 Examines music publishing, licensing, and copyright procedures used by the professional musician, music administrator, and music producer.

**4160 MU145-1 MW 12:30pm - 1:45pm 15-week**  
**4344 MU145-ONL1 📱 NET 15-week**

**MU 151 – Class Piano I (1)**  
 Offers beginning piano study in a classroom-lab setting. An electronic piano is available for class use. Introduces basic keyboard and musicianship skills, including selected elementary pieces. Enrollment is limited to ten people.

**4161 MU151-1C M 12:30pm - 1:20pm 15-week**  
**4162 MU151-2C W 12:30pm - 1:20pm 15-week**

**MU 152 – Class Piano II (1)**  
*Prerequisite: MU 151*  
 A continuation of the material presented in Class Piano I. Explores elements of theory, technique and improvisation. Topics include major and minor scale building, harmonizing scale degrees, accompaniment patterns, cadences and more. Includes solo and ensemble pieces and standard scale fingerings.

**4163 MU152-1C M 12:30pm - 1:20pm 15-week**

**4164 MU152-2C W 12:30pm - 1:20pm 15-week**  
**MU 171 – Class Strings I (1)**  
 Offered first semester for beginning students. One hour weekly.

**4165 MU171-1 Th 7:45pm - 8:45pm 15-week**

**MU 207 – Aural & Keyboard Skills IV (1)**  
*Prerequisite: MU 206*  
*Corequisite: MU 212*  
 A continuation of Aural and Keyboard Skills III, coordinated with material presented in Music Theory IV, including synthetic scales, quartal and quintal harmonies, tone rows, chromaticism, changing meters and polychords.

**4186 MU207-1 MW 3:30pm - 4:20pm 15-week**

**MU 212 – Music Theory IV (3)**  
*Prerequisite: MU 211*  
*Corequisite: MU 207*  
 A continuation of Music Theory III. Includes chords of the ninth, eleventh and thirteenth, evaded cadences, complex harmonic progressions, whole-tone scale and pentatonic scale, impressionistic techniques, twelve-tone writing, atonality, new sound sources, twentieth-century uses of melody, rhythm, harmony and form, extended uses of chromaticism, new notational methods, score reading and listening.

**4187 MU212-1 MW 2:00pm - 3:15pm 15-week**

**MU 218 Choral Ensemble II (1)**  
 Continuation of MU 117-118. Three rehearsal hours weekly.

**4188 MU218-1C T 7:45pm - 10:20pm 15-week**

**MU 220 – Jazz Ensemble II (1)**  
*Prerequisite: MU 119 or MU 120*  
 Continuation of MU 119-120. Three rehearsal hours weekly.

**4189 MU220-1 M 5:00pm - 7:15pm 15-week**  
**4190 MU220-2C W 7:45pm - 10:10pm 15-week**

**MU 222 – Orchestral Ensemble II (1)**  
*Prerequisite: MU 121 or MU 122*  
 A continuation of MU 121-122. Three rehearsal hours weekly.

**4191 MU222-1C Th 7:00pm - 9:30pm 15-week**

**MU 224 – 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.

**4192 MU224-1C W 6:30pm - 9:00pm 15-week**

**MU 235 – Advanced Audio Production (3)**  
*Prerequisite: MU 130*  
*Prerequisite or Corequisite: EN 52 or ESL 99*  
 Provides in-depth study and practical application of the tools and techniques used in professional audio recording in a variety of musical styles at a professional level. Includes advanced practical training in signal processing, mixing, and mastering. Additional topics include audio for video and product delivery.

**4345 MU235-1 TTh 6:00pm - 7:15pm 15-week**

**MU 251 – Class Piano III (1)**  
*Prerequisite: MU 152*  
 A continuation of the material presented in Class Piano II. Students will work on greater hand independence and facility, arpeggios, chord progressions, new types of scales and secondary dominants. Includes a study of easy classics.

**4194 MU251-2C W 12:30pm - 1:20pm 15-week**  
**MU 252 – Class Piano IV (1)**

*Prerequisite: MU 251*

A continuation of Class Piano III, emphasizing development of a greater repertoire and enhancement of performance skills. Students become more fluent in hand control, rhythmic ability and accompaniment patterns. Includes a study of standard national and holiday pieces, as well as additional drills in functional piano playing.

**4195 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

Paula Chipman—voice .....301.846.2566 ..... pchipman@frederick.edu  
 Mary Gresock—voice .....301.879.2069 ..... mgresock@frederick.edu  
 David Loy—voice .....301.791.7730 ..... dloy@frederick.edu  
 Sterling Scroggins—voice .....202.966.4975 ..... sscroggins@frederick.edu  
 Lynn Staininger—voice/piano.....240.405.7382 ..... lstaininger@frederick.edu  
 John Wickelgren—piano .....301.668.0355 ..... jwickelgren@frederick.edu  
 Suk—Yi Hyun—piano .....240.421.7188 ..... shyun@frederick.edu  
 Alice Lee—piano .....202.270.1667 ..... alee@frederick.edu  
 Fred Wilcox—violin/viola .....240.504.6974 ..... fwilcox@frederick.edu  
 Maryory Serrano—violin/viola .....540.664.4068 ..... mserrano@frederick.edu  
 Adam Gonzalez—cello .....301.219.4826 ..... agonzalez@frederick.edu  
 Lynn Fleming—bass .....301.922.0398 ..... vlflaming@frederick.edu  
 Greg Herron—percussion .....443.621.8694 ..... gherron@frederick.edu  
 Aaron Lovely—low brass.....703.401.8971 ..... alovely@frederick.edu  
 Laura Armstrong—clarinet/  
 saxophone/oboe .....443.615.1529 ..... larmstrong@frederick.edu  
 Jennifer Rundlett—flute .....240.675.0866 ..... jrundlett@frederick.edu  
 Michael Raitzyk—guitar .....410.905.3149 ..... mraitzyk@frederick.edu  
 Mark Edwards—guitar .....334.538.0254 ..... medwards@frederick.edu  
 Jonathan Cresci—trumpet.....301.624.2844 ..... jcresci@frederick.edu  
 Howard Burns—saxophone .....301.788.3274 ..... hburns@frederick.edu

## 1<sup>st</sup> & 2<sup>nd</sup> Year Music Courses

### MU 173 – First Year Piano (1)

**4166 MU173-1 John Wickelgren 15-week**  
**4167 MU173-2 Lynn Staininger 15-week**  
**4168 MU173-3 Alice Lee 15-week**  
**4169 MU173-4 Suk-Yi Hyun 15-week**

### MU 175 – First Year Voice (1)

**4170 MU175-1 Paula Chipman 15-week**  
**4171 MU175-2 William Loy 15-week**  
**4172 MU175-3 Mary Gresock 15-week**  
**4173 MU175-4 Lynn Staininger 15-week**  
**4174 MU175-5 Sterling Scroggins 15-week**

### MU 179 – First Year Brass (1)

**4175 MU179-1 Jonathan Cresci 15-week**  
**4176 MU179-2 Aaron Lovely 15-week**

### MU 181 – First Year Woodwinds (1)

**4177 MU181-1 Jennifer Rundlett 15-week**  
**4178 MU181-2 Laura Armstrong 15-week**  
**4475 MU181-3 Howard Burns 15-week**

### MU 183 – First Year Strings (1)

**4179 MU183-1 Fred Wilcox 15-week**  
**4180 MU183-2 Flor Serrano Prada 15-week**  
**4181 MU183-3 Adam Gonzalez 15-week**  
**4182 MU183-4 Vivian Fleming 15-week**

### MU 185 – First Year Guitar (1)

**4183 MU185-1 Michael Raitzyk 15-week**  
**4184 MU185-2 Mark Edwards 15-week**

### MU 187 – First Year Percussion (1)

**4185 MU187-1 Gregory Herron 15-week**

### MU 273 – Second Year Piano (1)

*All second-year courses carry a prerequisite of corresponding first-year courses.*

**4196 MU273-1 John Wickelgren 15-week**  
**4197 MU273-2 Lynn Staininger 15-week**  
**4198 MU273-3 Alice Lee 15-week**  
**4199 MU273-4 Suk-Yi Hyun 15-week**

### MU 275 – Second Year Voice (1)

**4200 MU275-1 Paula Chipman 15-week**  
**4201 MU275-2 William Loy 15-week**  
**4202 MU275-3 Mary Gresock 15-week**  
**4203 MU275-4 Lynn Staininger 15-week**  
**4204 MU275-5 Sterling Scroggins 15-week**

### MU 279 – Second Year Brass (1)

**4205 MU279-1 Jonathan Cresci 15-week**  
**4206 MU279-2 Aaron Lovely 15-week**

### MU 281 – Second Year Woodwinds (1)

**4207 MU281-1 Jennifer Rundlett 15-week**  
**4208 MU281-2 Laura Armstrong 15-week**  
**4476 MU281-3 Howard Burns 15-week**

### MU 283 – Second Year Strings (1)

**4209 MU283-1 Fred Wilcox 15-week**  
**4210 MU283-2 Flor Serrano Prada 15-week**  
**4211 MU283-3 Adam Gonzalez 15-week**  
**4212 MU283-4 Vivian Fleming 15-week**

### MU 285 – Second Year Guitar (1)

**4213 MU285-1 Michael Raitzyk 15-week**  
**4214 MU285-2 Mark Edwards 15-week**

### MU 287 – Second Year Percussion (1)

**4215 MU287-1 Gregory Herron 15-week**

session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27



## NM: Nuclear Medicine

### NM 105 – Nuclear Medicine Techniques II (3)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Introduces all aspects of advanced imaging techniques utilized in nuclear medicine and molecular imaging. Acquisition procedures, radiopharmaceuticals, standard uptake values, and other quantitative data related to imaging will be covered. Information on pathologic conditions related to all advanced imaging areas will be encompassed.

**3798 NM105-1 W 1:45pm - 5:00pm 15-week**

### NM 107 – Instrumentation and Computers in Nuclear Medicine Technology (4)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Introduces both non-imaging and imaging instrumentation in nuclear medicine and the use of digital electronics and computer technology in medical imaging. Includes monitoring equipment, dose calibrators, well counters, uptake probes, liquid scintillation systems, and the gamma probe. Incorporates information on the components, use, and quality control of the various types of systems used for gamma and positron imaging. Includes digital image acquisition, reconstruction, post-processing, advanced visualization, decision support, computer networking and PACS, information systems, and industry standards.

**3799 NM107-1 M 4:30pm - 9:30pm 15-week**

### NM 202 – Clinical Nuclear Medicine Technology II (2)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Provides directed practice in a clinical affiliate hospital/imaging center. Students will develop their individual clinical techniques. Daily imaging critiques by licensed/certified technologists and on-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

**3800 NM202-1 TThF 8:00am - 4:30pm 15-week**

### NM 203 – Radiopharmacy and Radiation Chemistry (2)

*Prerequisites: NM 100, NM 102, NM 103, and NM 104*

Presents basic skills necessary for the operation of a radiopharmacy. Includes production of radionuclides, FDA approval, quality control, adverse reactions, and transportation of radiopharmaceuticals.

**3801 NM203-1 W 10:30am - 1:30pm 15-week**

### NM 204 – Clinical Nuclear Medicine Technology III (3)

*Prerequisites: NM 105, NM 107, NM 202, and NM 203*

Provides directed practice in a clinical affiliate hospital/imaging center. Students continue to develop their individual clinical techniques and create a clinical procedures manual. Daily imaging critiques by licensed/certified technologists and on-site lectures by board certified nuclear medicine physicians supplement clinical experiences.

**3802 NM204-1 MTWTh 8:00am - 4:30pm 15-week**

### NM 205 – Professional Development in Nuclear Medicine (2)

*Prerequisites: NM 105, NM 107, NM 202, and NM 203*

Prepares students for their board certification exam. Teaches students how to develop a resume, prepare for an interview, and develop the professional knowledge, skills, and attitudes to prepare for professional employment and lifelong learning.

**3803 NM205-1 F 9:00am - 11:00am 15-week**

#### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## NU: Nursing

The nursing program offers a day and an evening/weekend option. To ensure appropriate and adequate clinical experiences, clinical rotations can be scheduled at any time based on clinical agency availability and may not be limited to the option selected. When applying to the nursing program, students should be prepared for all possible clinical schedules available for their designated course(s) each semester.

### NU 101–Introduction to Clinical Nursing (6)

Cultural Competence

*Prerequisites: BI 103, BI 104, BI 120; passing score on nursing dosage calculations exam*

Introduces concepts of professional nursing. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the subacute and long-term care facilities.

**3146 NU101-1Lc T 5:00pm - 8:00pm 15-week**  
**3147 NU101-11Lb ASG 15-week**

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 210 – Reproductive Health Nursing (3)

*Prerequisite: NU 101*

Introduces the study of childbirth and alterations in reproductive health in the family system. Normal conditions and complications of childbirth and female reproduction are addressed. The Neuman Systems Model is the framework for the study of family client system care in lectures, in the campus laboratories, and in acute and community settings.

**3148 NU210-1Lc M 8:00am - 10:00am 15-week**  
**3149 NU210-2Lc TH 8:00am - 10:00am 15-week**  
**3150 NU210-11Lb ASG 15-week**

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 211 – Medical-Surgical Nursing I (7)

*Prerequisite: NU 101*

Introduces the study of adult client systems with acute and chronic alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the acute and rehabilitative facilities.

**3151 NU211-1Lc M 10:00am - 3:00pm 15-week**  
**3152 NU211-2Lc TH 10:00am - 3:00pm 15-week**  
**3153 NU211-11Lb ASG 15-week**

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 212 – Medical-Surgical Nursing II (4)

*Prerequisites: NU 210, NU 211*

Continues the study of adult clients with acute and chronic alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures, in the campus laboratories, and in the acute and perioperative settings.

**3154 NU212-1Lc W 5:00pm - 7:00pm 15-week**  
**3155 NU212-11Lb ASG 15-week**

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### NU 213 – Medical-Surgical Nursing III (4)

Prerequisites: NU 212, NU 214

Involves the student in the nursing care of clients with life-threatening situations or complex health problems. Focus moves from maintenance and promotion of health to utilization of emergency measures, monitoring devices and life-support equipment. Clinical experiences are provided in hospitals, nursing homes and various community health care settings.

3156	NU213-1Lc	M	8:00am - 10:00am	15-week
3157	NU213-2Lc	M	10:30am - 12:30pm	15-week
3158	NU213-11Lb	ASG		15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 214 – Psychiatric/Mental Health Nursing (4)

Prerequisites: NU 210, NU 211

Introduces the study of adult, child and adolescent client systems experiencing acute and chronic alterations in mental health. The Neuman Systems Model is the framework for the study of client care in the seminars, in the campus laboratories, and in the acute and community settings.

3159	NU214-1Lc	Th	5:00pm - 7:00pm	15-week
3160	NU214-11Lb	ASG		15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 215 – Nursing Care of Children (3)

Prerequisites: NU 212, NU 214

Introduces the study of pediatric client systems experiencing acute alterations in wellness. The Neuman Systems Model is the framework for the study of client care in the lectures and in acute care settings.

3161	NU215-1Lc	M	1:00pm - 3:00pm	15-week
3162	NU215-2Lc	M	8:00am - 10:00am	15-week
3163	NU215-11Lb	ASG		15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

### NU 216 – Preparation for Practice (2)

Prerequisites: NU 212, NU 214

Introduces current trends in nursing practice and leadership. Facilitates the graduate's entry into nursing practice at the generalist level. The Neuman Systems Model is the framework for the study of nursing issues and leadership in the classroom and the management practicum.

3164	NU216-1Lc	M	10:30am - 12:00pm	15-week
3165	NU216-2Lc	M	1:30pm - 3:00pm	15-week
3166	NU216-11Lb	ASG		15-week

Note: Students must register for lecture (Lc) and corresponding lab (Lb).

## PC: Physical Science

### PC 103 – Elements of Physical Science (3)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3511	PC103-1	MW	11:00am - 12:15pm	15-week
3512	PC103-2	TTh	2:00pm - 3:15pm	15-week
3513	PC103-3	W	5:00pm - 7:35pm	15-week
3514	PC103-ONL1	🏠	NET	15-week

### PC 104 – The Water Planet: Introduction to Oceanography (3)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3516	PC104-ONL1	🏠	NET	15-week
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### PC 105 – Introduction to the Science of Weather (3)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3517	PC105-1	M	5:00pm - 7:35pm	15-week
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### PC 106 – Introduction to Meteorology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3518	PC106-ONL1	🏠	NET	15-week
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### PC 107 – Introductory Astronomy (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

3519	PC107-1Lc	M	9:30am - 12:05pm	15-week
3520	PC107-11Lb	W	9:30am - 12:00pm	15-week
3521	PC107-2Lc	T	7:45pm - 10:20pm	15-week
3522	PC107-21Lb	Th	7:45pm - 10:20pm	15-week
3523	PC107-ONL1	🏠	NET	15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### PC 107H – Honors Introductory Astronomy (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

3524	PC107H-1Lc	M	5:00pm - 7:35pm	15-week
3525	PC107H-11Lb	W	5:00pm - 7:30pm	15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### PC 108 – Historical Geology (4)

GenEd Science

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

Traces the evolution of the earth and life through time. Presents scientific theories of the origin of the earth and life. Provides students with the tools to interpret the rock and fossil record. Saturday field trips focus on the geologic history of Maryland and Virginia.

3526	PC108-1Lc	W	8:00am - 10:35am	15-week
3527	PC108-11Lb	M	8:00am - 10:30am	15-week
3528	PC108-ONL1	🏠	NET	15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

## PC 114 – Contemporary Physical Science (4)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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.

3529	PC114-1Lc	M	12:30pm - 3:05pm	15-week
3530	PC114-11Lb	W	12:30pm - 3:00pm	15-week
4390	PC114-2Lc	T	5:00pm - 7:35pm	15-week
4391	PC114-21Lb	Th	5:00pm - 7:30pm	15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

## PC 115 – Introduction to Geoscience (4)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

*Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, 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.

3531	PC115-1Lc	T	9:30am - 12:05pm	15-week
3532	PC115-11Lb	Th	9:30am - 12:00pm	15-week
4392	PC115-2Lc	W	5:00pm - 7:35pm	15-week
4393	PC115-21Lb	M	5:00pm - 7:30pm	15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

3533	PC115-ONL1		NET	15-week
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## PC 121 – Energy and Society (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

*Prerequisite or Corequisite: MA 82, MA 85, MA 103A, BU/MA 205A, MA 206A, or MA 207A*

Explores the nature and properties of energy. Emphasizes a scientific understanding of energy and its role in the global society. Examines current and alternative energy sources used to meet the needs of a growing and developing society. Some Friday or Saturday field trips.

3534	PC121-1	W	12:30pm - 3:05pm	15-week
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## PE: Physical Education

### PE 108 – Body Mechanics (1)

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

3749	PE108-1	M	6:00pm - 8:30pm	1st 7-week
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### PE 131 – Aerobics (1)

Offers muscular and cardiovascular endurance exercises performed to music.

3751	PE131-1	M	1:00pm - 2:00pm	15-week
3752	PE131-2	T	1:00pm - 2:00pm	15-week

## PE 154 – Fitness for Living (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

3753	PE154-1	MW	11:00am - 12:15pm	15-week
3754	PE154-2	MW	12:30 - 1:45pm	15-week
3755	PE154-3	MW	2:00pm - 3:15pm	15-week
3756	PE154-4	TTh	8:00am - 9:15am	15-week
3757	PE154-5	TTh	9:30am - 10:45am	15-week
3758	PE154-6	TTh	11:00am - 12:15pm	15-week
3759	PE154-7	W	5:00pm - 7:35pm	15-week

## PE 160 – Elementary Fencing (1)

Introduces the history, safety, rules and etiquette of fencing. Teaches basic skills required to participate in a fencing match, as well as skills in directing and scoring a match.

3761	PE160-1	W	1:00pm - 3:00pm	1st 7-week
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## PE 165 – Volleyball (1)

Includes orientation, instruction and participation in specific skills, rules and etiquette of the sport.

3762	PE165-1	M	8:30am - 10:30am	1st 7-week
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## PE 166 – Weight Training (1)

Provides orientation, instruction and participation in specific weight training skills, rules, safety and etiquette of the sport.

3763	PE166-1	MW	11:00am - 12:00pm	1st 7-week
3764	PE166-2	M	2:00pm - 3:00pm	15-week
3765	PE166-3	W	2:00pm - 3:00pm	15-week
3766	PE166-4	M	5:00pm - 7:00pm	2nd 7-week

## PE 179 – Tennis I (1)

Introduces the basic skills of tennis, including the basic grips, forehand and backhand groundstrokes, volleys and serves; covers the rules of etiquette and sport.

3767	PE179-1	MW	11:00am - 12:15pm	2nd 7-week
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Note: After 1st day, class will meet at FCC tennis courts.

## PE 181 – Golf (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.

3768	PE181-1	T	5:00pm - 7:00pm	2nd 7-week
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Note: After 1st day, class will meet at Liberty Road Golf Center. \$20-\$25 fee paid at site.

## PE 183 – Beginning Snowboarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The beginner student will learn skills required to safely traverse the beginner slopes. Fees based on actual rental costs and to be paid at site.

3769	PE183-1C	W	5:00pm - 7:35pm	1st 5-week
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Note: After 1st day, class will be held offsite at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at the site by the 2nd class. Cash, check, or credit card is accepted for payment. For fee amounts, visit the Ski Liberty website.

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

### PE 184 – Intermediate Snowboarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The intermediate student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

**3770 PE184-1C W 5:00pm - 7:35pm 1st 5-week**

Note: After 1st day, class will be held offsite at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at the site by the 2nd class. Cash, check, or credit card is accepted for payment. For fee amounts, visit the Ski Liberty website.

### PE 185 – Advanced Snowboarding/Skiing (1)

Introduces the regulations, safety and etiquette of snowboarding/skiing. The advanced student will learn the enhanced techniques to improve their current skill levels. Fees based on actual rental costs and to be paid at site.

**3771 PE185-1C W 5:00pm - 7:35pm 1st 5-week**

Note: After 1st day, class will be held offsite at Ski Liberty. Additional instructor/equipment fees will be required by Ski Liberty and will need to be paid at the site by the 2nd class. Cash, check, or credit card is accepted for payment. For fee amounts, visit the Ski Liberty website.

### PE 187 – Social Dance (1)

Provides instruction in the basic partner dance forms including such dances as the waltz, swing, two-step, cha-cha, polka and fox-trot. Other contemporary dances may be included.

**3772 PE187-1 F 5:00pm - 7:00pm 1st 7-week**

Note: Class will be held at Ballroom Dance in Frederick, MD. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, held at Ballroom Dance in Frederick. There is no additional charge for the practice parties.

### PE 188 – Yoga (3)

Provides a holistic approach to understanding some of the fundamental principles and philosophies of yoga while also providing a weekly experiential Hatha (physical) practice.

**3773 PE188-1 M 9:30am - 12:00pm 15-week**  
**3774 PE188-2 W 9:30am - 12:00pm 15-week**  
**3775 PE188-3 M 6:00pm - 8:35pm 15-week**  
**3776 PE188-HYB1 T 6:00pm - 8:35pm 2nd 7-week**

### PE 189A – Outdoor Skills: Backpacking (1)

Instructs students in the basics of outdoor skills required to survive in relative comfort in an outdoor wilderness setting. Also instructs students in the selection and usage of proper equipment, clothing, and meals in the outdoor wilderness setting. A field trip (up to three days) is required.

**3777 PE189A-1 M 5:00pm - 6:45pm 2nd 7-week**

### PE 190 – Pilates (1)

Introduces the history of Pilates and describes the physiological basis of exercises that promote core body strength. Includes demonstration and active student participation of Pilates movements.

**3778 PE190-1 TTh 9:30am - 10:45am 1st 7-week**  
**3779 PE190-2 TTh 9:30am - 10:45am 2nd 7-week**

### PE 191 – Body Sculpting (1)

Orientation, instruction and participation in specific skills (Disc Golf), rules, and etiquette of the sport. Similar to golf, the object of disc golf is to complete each hole in as few throws (or strokes) as possible. Instead of using golf clubs and a golf ball, disc golfers use a flying golf disc to traverse the hole. Each hole starts with a teeing area and is completed once the disc lands in the "hole," which is a disc-catching target.

**3780 PE191-1 M 12:00pm - 1:00pm 15-week**

### PE 193 – Social Dance II (1)

*Prerequisite: PE 187 or permission of instructor*

Social Dance II builds on the dance rhythms learned in Social Dance. The patterns to be learned will incorporate the body mechanics and technique that enable creation of body swing in the Waltz, and smoothness and polish in all the dances: Fox Trot, Swing, Cha-Cha, Rumba and Tango.

**3781 PE193-1 F 5:00pm - 7:00pm 2nd 7-week**

Note: Class will be held at Ballroom Dance in Frederick, MD. In addition to Friday classes, two Saturday evening and two Tuesday evening practice parties are required, held at Ballroom Dance in Frederick. There is no additional charge for the practice parties.

### PE 195 – Tai Chi (1)

Tai Chi is an unique and traditional Chinese exercise. The benefits of practice include strengthening health, preventing illness, and slowing the effects of aging. The class is designed to provide students with a basic knowledge and history of Tai Chi, and to provide an opportunity to learn and master Tai Chi skills.

**3782 PE195-1 TTh 2:00pm - 3:15pm 1st 5-week**

### PE 196 – Kickboxing (1)

Provides basic fundamentals of Lethwei (Burmese Kickboxing). Basic principles, history, and styles and linguistics of the fighter will be covered. This course emphasizes safety for the students 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.

**3783 PE196-1 W 5:00pm - 7:00pm 1st 7-week**  
**3784 PE196-2 W 5:00pm - 7:00pm 2nd 7-week**

Note: Class held at Bowerhouse Academy, 7311 Grove Rd Unit D in Frederick, MD Facility and Equipment Cost: \$65 includes use of the facility, a t-shirt, new pair of boxing gloves, and boxing handwraps. Students enrolled in the kickboxing class are allowed to use the gym and attend any class they want anytime during the 7-week session.

### PE 198A – Fitness: Boot Camp (1)

Engages students in full body exercises, especially utilizing body weight. The course strives to dramatically increase the participant's level of muscular activity to affect positive changes in fitness levels. It also integrates fitness research with practical application for understanding the effectiveness of exercise.

**3785 PE198A-1 TTh 12:30pm - 1:45pm 1st 7-week**  
**3786 PE198A-2 TTh 12:30pm - 1:45pm 2nd 7-week**

### PE 198C – Fitness: Zumba (1)

Zumba Fitness is a Latin-inspired, high-energy, cardio-dance workout that uses music and various easy-to-follow choreographed steps. Along with music styles such as Latin, Hip-Hop, Jazz, Pop, and other genres, Zumba incorporates interval training, alternating fast and slow rhythms, and resistance training.

**3787 PE198C-1 TTh 11:00am - 12:15pm 1st 7-week**  
**3788 PE198C-2 TTh 11:00am - 12:15pm 2nd 7-week**

### PE 236 – Coaching Principles (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Provides student with the knowledge to become an effective coach. Foundational areas of coaching are presented, including coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management. Coaching certification is possible through the American Sports Education Program.

**3789 PE236-1 TTh 12:30pm - 1:45pm 15-week**



### PE 237 – Exercise Psychology (1)

Introduces the psychological factors that affect exercise participation and performance.

3790	PE237-1	M	8:30am - 10:30am	1st 7-week
3791	PE237-ONL1	📖	NET	2nd 7-week

### PE 241 – Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

3792	PE241-1	TTh	10:00am - 11:15am	1st 7-week
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### PE 247 – Methods of Strength Training (1)

Designed for students 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.

3793	PE247-1	TTh	10:00am - 11:15am	2nd 7-week
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### PE 250 – Care and Prevention of Athletic Injuries (3)

*Prerequisite or Corequisite: EN 52 or ESL 99*

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.

3795	PE250-1	MW	9:30am - 10:45am	15-week
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### PE 252 – Essentials of Personal Training (4)

*Prerequisites: PE 241, PE 247, PE 249;*

*Prerequisites or Corequisites: PE 108 and PE 154*

Capstone course in the Personal Training Program that leads to the NASM Personal Trainer certification. Course combines 3-credit lecture and 2-credit lab.

3796	PE252-1Lc	TTh	5:00pm - 7:35pm	1st 7-week
3797	PE252-11Lb	TTh	5:00pm - 7:35pm	2nd 7-week

### Physical Education Notes:

PE 153—Introduction to Physical Education offered fall semester only.

PE 161—Psychology of Sport offered fall semester only.

PE 236—Coaching Principles offered spring semester only.

PE 252—Essentials of Personal Training offered spring semester only.

## PH: Philosophy

### PH 101 – Introduction to Philosophy (3)

GenEd Arts and Humanities/Humanities

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Surveys the major intellectual problems faced by great philosophers of all ages.

4216	PH101-1	MW	11:00am - 12:15pm	15-week
4217	PH101-2	TTh	2:00pm - 3:15pm	15-week
4218	PH101-ONL1	📖	NET	1st 8-week

### PH 204 – World Religions (3)

GenEd Arts and Humanities/Humanities; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4219	PH204-1	MW	11:00am - 12:15pm	15-week
4220	PH204-2	MW	2:00pm - 3:15pm	15-week
4221	PH204-ONL1	📖	NET	15-week

### PH 205 – Ethics (3)

GenEd Arts and Humanities/Humanities

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Introduces the problems and possibilities of moral philosophy and ethical decision making.

4222	PH205-1	TTh	12:30pm - 1:45pm	15-week
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### PH 206 – Logic (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: EN 52 or ESL 99*

Introduces basic problems in the use of logic and language. Improves the use of language and sound principles of reasoning.

4223	PH206-1	MW	12:30pm - 1:45pm	15-week
4224	PH206-ONL1	📖	NET	15-week

### PH 207 – Biomedical Ethics (3)

GenEd Arts and Humanities/Humanities

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Explores some of the most troubling problems that health care professionals, physicians and lawyers as well as individual patients and their families are called upon to solve. Examines principles in biomedical ethics, as well as general ethical theories in major problem areas, including euthanasia and prolongation of life, genetic intervention, behavior control, experimenting with human subjects, etc.

4225	PH207-ONL1	📖	NET	15-week
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### PH 208 – Business Ethics (3)

GenEd Arts and Humanities/Humanities

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Introduces business ethics. Clarifies moral obligations and ethical dilemmas for managers who make business decisions.

4226	PH208-1	M	5:30pm - 8:05pm	15-week
4227	PH208-ONL1	📖	NET	15-week

### PH 210 – Ethics and Film (3)

GenEd Arts and Humanities/Humanities; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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).

4228	PH210-1	W	1:00pm - 3:30pm	15-week
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### session dates

session	dates	session	dates
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

## PI: Political Science

### PI 104 – American Government: National (3)

GenEd Social & Behavioral Sciences/Political Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3657	PI104-1	TTh	12:30pm - 1:45pm	15-week
3658	PI104-2	M	5:30pm - 8:25pm	13-week
3659	PI104-ONL1	📱	NET	15-week

### PI 206 – Civil Liberties (3)

*Prerequisite: EN 52 or ESL 99*

Provides historical background, social and political issues and leading cases establishing the present rules regarding civil liberties today.

3660	PI206-1	W	6:00pm - 8:35pm	15-week
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## PS: Psychology

### PS 101 – General Psychology (3)

GenEd Social & Behavioral Sciences/Psychology

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

3661	PS101-1	MW	8:00am - 9:15am	15-week
3662	PS101-2	MW	9:30am - 10:45am	15-week
3663	PS101-3	MW	11:00am - 12:15pm	15-week
3664	PS101-4	MW	12:30pm - 1:45pm	15-week
3665	PS101-5	MW	2:00pm - 3:15pm	15-week
3667	PS101-6	TTh	8:00am - 9:15am	15-week
3668	PS101-7	TTh	9:30am - 10:45am	15-week
3669	PS101-8	TTh	11:00am - 12:15pm	15-week
3670	PS101-9	TTh	12:30pm - 1:45pm	15-week
3671	PS101-10	TTh	2:00pm - 3:15pm	15-week
3672	PS101-11	TTh	2:00pm - 4:30pm	1st 8-week
3673	PS101-12	TTh	2:00pm - 4:30pm	2nd 8-week
3674	PS101-13	TTh	3:30pm - 4:55pm	13-week
3675	PS101-14	F	8:00am - 10:35am	15-week
3676	PS101-15	M	7:45pm - 10:20pm	15-week
3677	PS101-16	W	6:00pm - 9:05pm	13-week
3678	PS101-17	Th	6:00pm - 8:35pm	15-week
3679	PS101-ONL1	📱	NET	15-week
3680	PS101-ONL2	📱	NET	15-week
3681	PS101-ONL3	📱	NET	13-week
4348	PS101-ONL4	📱	NET	2nd 8-week

### PS 104 – Issues of Drug/Alcohol Use (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3684	PS104-1	TTh	9:30am - 10:45am	15-week
3685	PS104-ONL1	📱	NET	15-week

### PS 202 – Social Psychology (3)

GenEd Social & Behavioral Sciences/Psychology

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3686	PS202-1	MW	9:30am - 10:45am	15-week
3687	PS202-2	TTh	3:30pm - 4:55pm	13-week
3688	PS202-3	M	6:00pm - 8:35pm	15-week
3689	PS202-ONL1	📱	NET	15-week

### PS 204 – Psychology of Adolescence (3)

*Prerequisite: PS 101*

Explores physiological, psychological and social dilemmas of the adolescent. Considers relevant contemporary research and behavioral determinants.

3692	PS204-1	MW	11:00am - 12:15pm	15-week
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### PS 205 – Psychology of Aging (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3693	PS205-ONL1	📱	NET	15-week
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### PS 206 – Abnormal Psychology (3)

*Prerequisite: PS 101*

Explores the nature, etiology, diagnosis, prognosis, treatment and possible prevention of the major classifications of psychological disorders including anxiety, mood, eating, substance-related, schizophrenic, dissociative, personality and childhood disorders.

3694	PS206-1	TTh	12:30pm - 1:45pm	15-week
3695	PS206-2	W	6:00pm - 8:35pm	15-week
3696	PS206-ONL1	📱	NET	15-week

### PS 206H – Honors Abnormal Psychology (3)

*Prerequisite: PS 101*

4349	PS206H-1	T	6:00pm - 8:30pm	15-week
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### PS 207 – Death and Dying (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3697	PS207-1	Th	6:00pm - 8:35pm	15-week
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### PS 209 – Women's Studies: A Multicultural Perspective on the Psychology & Sociology of Women (3)

GenEd Interdisciplinary & Emerging Issues/Multicultural Issues & Perspectives; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

3698	PS209-1	MW	12:30pm - 1:45pm	15-week
3699	PS209-2	TTh	9:30am - 10:45am	15-week

## PY: Physics

### PY 101 – Survey of Physics (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

Gives students a general background in physics and prepares those who must take a two-semester physics course who have not had high school physics.

3535 PY101-1 F 8:00am - 10:35am 15-week

### PY 202 – Fundamentals of Physics (4)

GenEd Science

*Prerequisite: PY 201*

Continues the study of basic principles of physics. Topics include thermodynamics, electricity and magnetism, optics and modern physics.

3536 PY202-1Lc T 12:30pm - 3:05pm 15-week

3537 PY202-11Lb Th 12:30pm - 3:00pm 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### PY 203 – Introductory Physics I (4)

GenEd Science

*Prerequisites: Completion of high school physics or PY 101 strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, 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.

3538 PY203-1Lc MW 12:30pm - 1:45pm 15-week

3539 PY203-11Lb W 9:30am - 12:00pm 15-week

3540 PY203-2Lc Th 5:00pm - 7:35pm 15-week

3541 PY203-21Lb T 5:00pm - 7:30pm 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### PY 204 – Introductory Physics II (4)

GenEd 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.

3542 PY204-1Lc TTh 11:00am - 12:15pm 15-week

3543 PY204-11Lb T 12:30pm - 3:00pm 15-week

3544 PY204-2Lc M 5:00pm - 7:35pm 15-week

3545 PY204-21Lb W 5:00pm - 7:30pm 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

#### Physics Notes:

PY201—Fundamentals of Physics offered fall semester only.

PY202—Fundamentals of Physics offered spring semester only.

## RC: Respiratory Care

### RC 103 – Pharmacology (3)

*Prerequisites: BI 104, RC 100, RC 102, RC 104*

Introduces the various classifications of drugs, including drug action and effects, site of activity, recommended dosages and toxicity. Emphasis on anesthetics, bronchodilators, mucokinetics, cardiovascular agents and drugs affecting the nervous system as they apply to respiratory therapy.

4264 RC103-MA1 MW 9:30am - 10:45am Mt. Airy  
15-week (1/25 - 5/14)

### RC 105 – Cardiopulmonary and Renal Anatomy and Physiology (3)

*Prerequisites: BI 104, RC 100, RC 102, RC 104*

Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory therapy.

4265 RC105-MA1 M 11:00am - 1:30pm Mt. Airy  
15-week (1/25 - 5/14)

# Bookstore Calendar

January 4 . . J-Term and Spring 2016 books available to purchase and rent  
 January 20 . . . . . Textbook buyback from 9:00am–7:00pm  
 January 21 . . . . . Textbook buyback from 9:00am–12:00pm  
 January 21 . . . . . Deadline for J-Term 2016 rental returns  
 January 23 . . . . . Bookstore open from 10:00am–2:00pm  
 January 30 . . . . . Bookstore open from 8:00am–12:00pm  
 March 21–22 . . . . . Bookstore closes at 4:30pm  
 March 23–27 . . . . . Bookstore Closed  
 May 10–12 . . . . . Textbook buyback from 9:00am–7:00pm  
 May 13 . . . . . Textbook buyback from 9:00am–4:00pm  
 May 16–17 . . . . . Textbook buyback from 9:00am–7:00pm  
 May 17 . . . . . Deadline for Spring 2016 rental returns

## RC 107 – Principles of Mechanical Ventilation (4)

Prerequisite: BI 104, RC 100, RC 102, RC 104

Explores general principles of gas physics, principles of airway management, intubation and the theory and operation of mechanical ventilators. Includes special problems associated with both short-term and long-term care of patients requiring artificial ventilation. Integrates arterial blood gas studies with course topics. The laboratory portion of the course takes the principles and procedures presented in lecture and apply them via procedure competency testing and simulated clinical situations.

4266	RC107-MA1Lc	MW	8:00am - 9:15am	Mt. Airy 15-week
4267	RC107-MA11Lb	W	11:00am - 1:00pm	Mt. Airy 15-week
4268	RC107-MA12Lb	W	1:00pm - 3:00pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

## RC 109 – Clinical Practicum I (2)

Prerequisites: RC 100, RC 102, RC 104, BI 104

Introduces the hospital environment and patient care, including patients charts and record-keeping. Includes practical experience in using basic respiratory therapy equipment and applying it to patient care. Students perform basic respiratory therapy modalities such as oxygen therapy, aerosol therapy, IPPB, incentive spirometry and chest physiotherapy and postural drainage.

4269	RC109-1	TTh	7:00am - 2:00pm	Mt. Airy 15-week
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## RC 203 – Pulmonary Rehabilitation and Home Care (2)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Reviews all of the assessment skills, equipment, and interventions presented throughout the program, and applies them to the care of patients in alternative settings. Focus is on teaching patients to live with their diseases. A capstone course for the respiratory care program.

4270	RC203-MA1	Th	11:40am - 1:20pm	Mt. Airy 15-week
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## RC 205 – Professional Seminar (2)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Prepares students for entry into clinical practice. Emphasizes preparation for the entry level and registry examinations given by the National Board for Respiratory Care. Provides familiarization with the prospective test matrices and uses both text and computer review materials. Reviews and discusses assigned current readings from various journals related to respiratory therapy.

4271	RC205-MA1	Th	9:30am - 11:10am	Mt. Airy 15-week
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## RC 207 – Cardiopulmonary and Renal Pathophysiology Review (3)

Prerequisites: RC 202, RC 204, RC 206, RC 208

Examines the effects of various diseases upon the cardiopulmonary and renal systems. Discusses both acute and long-term aspects of ventilatory-circulatory impairment. Emphasis on diseases that cause insult to the respiratory system.

4272	RC207-MA1	T	9:00am - 11:30am	Mt. Airy 15-week
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## RC 209 – Clinical Practicum IV (2)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Provides clinical experience in the pediatric/neonatal environment as well as advanced adult critical care. Students rotate through neonatal and pediatric intensive care units and gain practical experience with mechanical ventilator management and various therapeutic techniques for this patient population. Students also rotate through various adult critical care areas.

4273	RC209-1	MW	7:00am - 2:00pm	Mt. Airy 15-week
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## SO: Sociology

### SO 101 – Introduction to Sociology (3)

GenEd Social & Behavioral Sciences/Sociology

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3700	S0101-1	MW	9:30am - 10:45am	15-week
3701	S0101-2	MW	11:00am - 12:15pm	15-week
3702	S0101-3	MW	12:30pm - 1:45pm	15-week
3703	S0101-4	MW	2:00pm - 3:15pm	15-week
3704	S0101-5	TTh	8:00am - 9:15am	15-week
3705	S0101-6	TTh	11:00am - 12:55pm	10-week
3706	S0101-7	TTh	12:30pm - 1:45pm	15-week
3707	S0101-8	TTh	3:30pm - 4:45pm	15-week
3708	S0101-9	F	10:50am - 1:25pm	15-week
3709	S0101-10	T	6:00pm - 9:05pm	13-week
4467	S0101-11	W	6:00pm - 8:35pm	15-week
3710	S0101-CHS*	TTh	12:45pm - 2:20pm	15-week
3711	S0101-ONL1	🏠	NET	15-week
3712	S0101-ONL2	🏠	NET	15-week

\*Note: S0101-CHS open to Catoclin High School students only.

### SO 102 – Social Problems (3)

GenEd Social & Behavioral Sciences/Sociology; Cultural Competence

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

3713	S0102-1	TTh	2:00pm - 3:15pm	15-week
3714	S0102-2	F	9:00am - 11:35am	15-week
3715	S0102-ONL1	🏠	NET	15-week

### SO 201 – Criminology (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

Explores criminal behavior and the methods of its study, causation, types of criminal acts and offenders, punishment, correction and incarceration and prevention of crime.

3716	S0201-1	TTh	2:00pm - 3:15pm	15-week
3717	S0201-2	Th	6:00pm - 8:35pm	15-week
3718	S0201-ONL1	🏠	NET	13-week

### SO 202 – Marriage and Family (3)

Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

3719	S0202-1	M	6:00pm - 8:35pm	15-week
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session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27



## ST: Surgical Technology

### ST 120 – Surgery Essentials (3)

*Prerequisites: MDA 108 or MDA 109, BI 103 and BI 104*

Provides an introduction to the surgical environment and to the essential skills required of a surgical technologist. Emphasizes the fundamental concepts of sterile technique, critical thinking, and professionalism. Application and demonstration of essential surgical technology skills and concepts are required to advance in the program.

<b>3810</b>	<b>ST120-1Lc</b>	<b>M</b>	<b>4:00pm - 9:00pm</b>	<b>1st 5-week</b>
		<b>T</b>	<b>8:00am - 3:00pm</b>	<b>1st 5-week</b>
<b>3812</b>	<b>ST120-11Lb</b>	<b>WTh</b>	<b>8:00am - 9:00pm</b>	<b>1st 5-week</b>

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### ST 100 – Fundamentals of Surgical Technology I (6)

*Prerequisite: ST 120*

Develops concepts, skills and attitudes needed by students to perform as members of a surgical team. Demonstration of competence in basic skills is essential. Simulated practice time in FCC's lab and in operating room settings along with didactic instruction prepare the student for the clinical practicum component of this course.

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

<b>3804</b>	<b>ST100-1Lc</b>	<b>M</b>	<b>4:00pm - 9:00pm</b>	<b>10-week</b>
<b>3806</b>	<b>ST100-11Lb</b>	<b>WTh</b>	<b>8:00am - 9:00pm</b>	<b>10-week</b>
<b>3807</b>	<b>ST100-12Lb</b>	<b>WThF</b>	<b>6:45am - 4:00pm</b>	<b>10-week</b>

### ST 101 – Introduction to Surgical Technology (6)

*Cultural Competence*

Provides an overview of the functions of the surgical technologist in the perioperative environment. Develops the fundamental concepts and principles of microbiology, asepsis, pharmacology, anesthesia, ethical and legal considerations, patient care, all-hazards preparation, and teamwork.

<b>3808</b>	<b>ST101-1Lc</b>	<b>T</b>	<b>8:00am - 3:00pm</b>	<b>10-week</b>
<b>3809</b>	<b>ST101-11Lb</b>	<b>T</b>	<b>3:00pm - 4:00pm</b>	<b>10-week</b>

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### ST 200 – Fundamentals of Surgical Technology II (12)

*Prerequisites: ST 100*

Provides the student with theory and practice related to the dynamic role of the surgical technologist in classroom, laboratory, and clinical settings. Preceptored clinical experiences focus on participation during complex surgical procedures, advancement of skill level, and critical thinking.

<b>3814</b>	<b>ST200-1Lc</b>	<b>M</b>	<b>8:00am - 3:00pm</b>	<b>15-week</b>
<b>3815</b>	<b>ST200-11Lb</b>	<b>WThF</b>	<b>6:45am - 3:00pm</b>	<b>10-week</b>
<b>3816</b>	<b>ST200-12Lb</b>	<b>WThF</b>	<b>9:00am - 2:00pm</b>	<b>3rd 5-week</b>

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

session dates			
15-week session	1/25–5/14	1st 5-week session	1/25–2/26
14-week session Saturday	1/30–5/7	2nd 8-week session	3/16–5/14
13-week session	2/8–5/14	2nd 7-week session	3/28–5/14
10-week session	3/2–5/15	2nd 7-week Saturday	3/21–5/9
1st 8-week session	1/25–3/18	2nd 5-week session	2/29–4/8
1st 7-week session	1/25–3/11	3rd 5-week session	4/11–5/14
1st 7-week Saturday	1/30–3/12	Spring Break	3/23–3/27

## THR: Theatre

### THR 101 – Introduction to Theatre (3)

*GenEd Arts and Humanities/Arts*

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Introduces the history of drama and the theatre through reading, viewing and discussing plays.

<b>4229</b>	<b>THR101-1</b>	<b>TTh</b>	<b>11:00am - 12:15pm</b>	<b>15-week</b>
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### THR 102 – Introduction to Acting (3)

Offers a basic study of acting, through both a historical perspective and in-depth exercises.

<b>4230</b>	<b>THR102-1</b>	<b>MW</b>	<b>11:00am - 12:15pm</b>	<b>15-week</b>
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### THR 105 – Theatre Performance Workshop (3)

*Prerequisite or Corequisite: EN 52 or ESL 99*

Provides students with an opportunity to explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on techniques used to build confidence, creativity, critical thinking, and team building skills. The course will use multidisciplinary research skills on topics that are important to the class to create a vibrant theatre piece with a strong community focus.

<b>4231</b>	<b>THR105-EX1C</b>	<b>MW</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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### THR 203 – Fundamentals of Directing (3)

THR 203\_Fundamentals of Directing (3)

<b>4232</b>	<b>THR203-1C</b>	<b>TTh</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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### THR 204 – Production Survey (1)

Students participate in a campus theater production as a member of the production crew. May be taken for credit three times.

<b>4233</b>	<b>THR204-1</b>	<b>TBA</b>		<b>15-week</b>
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### THR 205 – Acting Survey (1)

*Prerequisite: Permission of the instructor*

Students participate in a campus theater production as a member of the cast. May be taken for credit three times.

<b>4234</b>	<b>THR205-1</b>	<b>TBA</b>		<b>15-week</b>
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### THR 206 – Advanced Acting (3)

Concentrates on characterization and dramatic improvisation.

<b>4235</b>	<b>THR206-1C</b>	<b>TTh</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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### THR 210 – Theatre Performance Workshop (3)

*Prerequisite: THR 105*

Provides students with an opportunity to deeply explore the creation of a piece of theatre from the beginning stages of research, improvisation, script writing, and other play creation techniques to a final production on or off campus. Emphasis will be placed on research, writing, and techniques used to build confidence, creativity, critical thinking, and team building skills. The course will use multi-disciplinary research skills on topics that are important to the class to bring a vibrant theatre piece with a strong community focus.

<b>4469</b>	<b>THR210-EX1C</b>	<b>MW</b>	<b>2:00pm - 3:15pm</b>	<b>15-week</b>
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Note: THR 210 is a continuation of THR 105.

schedule changes
For updates to the schedule and instructor information: <a href="http://www.frederick.edu/realtimeschedule">www.frederick.edu/realtimeschedule</a>

## Mount Airy College Center for Health Care Education

An innovative partnership among Carroll, Frederick, and Howard Community Colleges, the Mount Airy College Center for Health Care Education provides education and training for current and future health care professionals.



### **Opportunity**

Enroll in programs or take courses from any one of the three partner colleges.



### **Affordability**

Pay the in-county tuition rate for a program, no matter which partner college operates the program.



### **Convenience**

Take classes offered by three partner colleges at one central location.

### **About the Partner Community Colleges**

Each partner community college is fully accredited by the Middle States Commission on Higher Education and the Maryland Higher Education Commission (MHEC).

[mtairycollegecenter.com](http://mtairycollegecenter.com)

### **Frederick Community College offers:**

- Bioprocessing Technology (credit)
- Respiratory Care (credit)
- Advanced Cardiac Life Support (ACLS) (noncredit)
- Assisted Living Management (noncredit)
- Cardiopulmonary Resuscitation (CPR) (noncredit)
- Medicine Aid (noncredit)
- Pediatric Advanced Life Support (PALS) (noncredit)
- Pharmacy Technician (noncredit)

**FCC: Allied Health Advisor: 301.846.2471**  
[www.frederick.edu](http://www.frederick.edu)

### **Carroll Community College offers:**

- Health Information Technology (credit)
- Assisted Living Management (noncredit)
- Dental Assisting (noncredit)
- Medical Billing (noncredit)
- Medical Coding (noncredit)
- RN Refresher (noncredit)

**CCC: Allied Health Admissions:**  
**410.386.8000**  
<http://www.carrollcc.edu/register/apply/special>

### **Howard Community College offers:**

- Emergency Medical Technology/Paramedic (credit)
- Assisted Living Management (noncredit)
- Certified Nurse Assistant (CNA) (noncredit)
- EKG Technician (noncredit)
- Patient Care Technologist (noncredit)

**HCC: Allied Health Admissions and Advising: 443.518.4230**  
[alliedhealth@howardcc.edu](mailto:alliedhealth@howardcc.edu)



# Mount Airy Calendar

## 15-week session

First day .....	Jan. 25
Last day to add .....	Jan. 30
Last day 100% refund .....	Jan. 30
Last day 50% .....	Feb. 6
Last day to withdraw .....	April 11
Last day of classes .....	May 14
Grades due .....	May 20

## 1st 7-week session

First day .....	Jan. 25
Last day to add .....	Jan. 28
Last day 100% refund .....	Jan. 30
Last day 50% .....	Feb. 6
Last day to withdraw .....	Feb. 26
Last day of classes .....	March 14
Grades due .....	March 18

## 2nd 7-week session

First day .....	March 28
Last day to add .....	March 30
Last day 100% refund .....	April 1
Last day 50% refund .....	April 10
Last day to withdraw, no refund .....	April 30
Last day of classes .....	May 15
Grades due (10 a.m.) .....	May 20

*Note: Respiratory Care and Bioprocessing classes begin January 25. General Education classes begin Saturday, January 30. Respiratory Care and Bioprocessing classes end May 14, and General Education classes end May 20.*



### January 8, 2016 4:30pm

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

### January 22, 2016 4:30pm

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

**Payment is due 4:30pm the day prior to each session start date.**

## What you need to know about Drop Zone!

You must choose one of the following to avoid the drop zone!

1. Students must pay in full (Partial payment will not save your seat!)
2. Sign up for the payment plan in PeopleSoft
3. Students receiving financial aid should log into PeopleSoft to view their award and, if needed, sign up for the payment plan. See page 3 for details.

If the college is closed due to inclement weather, drops for non-payment will occur at 4:30 p.m. the next business day the college is reopened.

While the college attempts to notify students of upcoming payment deadlines, it is the student's responsibility to meet payment deadlines for each session to avoid the Drop Zone. Students are notified of dropped enrollment via their MyFCC email

account. Students who are dropped from classes will be required to re-register. If originally selected courses are no longer available, students will need to select different classes.

Students with a prior balance will be dropped from current class(es) on drop zone dates and will not be allowed to re-register until prior balance is paid in full.

**If you have any questions please contact  
Student Accounts • 301.846.2456 •  
studentaccounts@frederick.edu**



## Mount Airy College Center

### **Where is the Mount Airy College Center?**

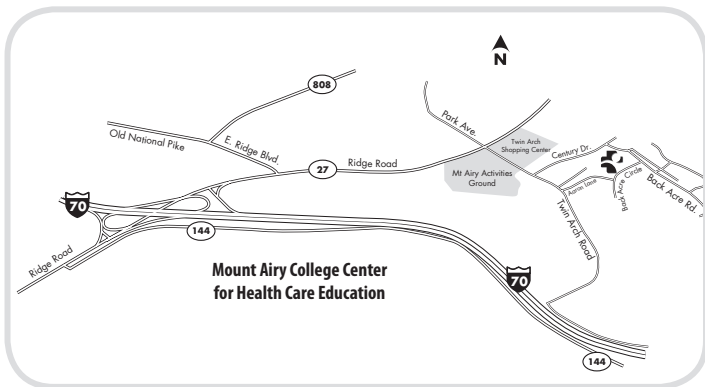
1902 Back Acre Circle in Mount Airy, MD 21771 (turn off Rt. 27 at the Twin Arches Shopping Center and proceed on Twin Arch Road to Back Acre Circle). Feel free to park adjacent to the center, or across the street in the lots for the county's recreation fields.

### **What is the credit admissions process for first time students?**

There are three steps to the credit admissions process:

- Apply to your home institution according to your county of residence (Carroll, Frederick or Howard Community College) online, in person, by mail, or via fax.
- Take the placement tests at your home institution. This will determine eligibility for all courses and prerequisites for courses. Please note that developmental coursework may be required and must be completed, in full, at the home institution.
- Check your institution's website for available times and/or appointments for placement tests. You may also download applications and/or apply online at the following websites.
  - Carroll Community College: [www.carrollcc.edu](http://www.carrollcc.edu)
  - Frederick Community College: [www.frederick.edu](http://www.frederick.edu)
  - Howard Community College: [www.howardcc.edu](http://www.howardcc.edu)

Register for courses through your home institution's process. When ready for clinical or program courses (prerequisite requirements are complete), you may apply to the sponsoring institution directly, designating the degree program you want as one of the credit programs listed above. For example: apply directly to CCC and select Health Information Technology on the enrollment application. You then officially become a Carroll Community College student. You can register for HIT classes based on space availability (first come, first served), and prerequisite completion. You can view CCC, HCC and FCC's prerequisite requirements for all programs, on each institution's website, in a credit schedule book, or the College catalog. Course equivalencies for your intended program will be available through your home institution's advising office and on the center website.



### **How much will I pay?**

Because you are registering via your home campus, you will pay at the same rate as you would for any other course. To avoid being charged the out-of-county rate, you must register at your home school for all of the non-clinical courses. If you, as a Carroll, Howard, or Frederick County resident, decide to complete one of the programs offered at the center or via the Mid-Maryland Consortium, you will transfer to the sponsor institution and you will pay according to the sponsor institution's in-county rate. Students from other counties (Montgomery or Baltimore County, for example) pay the out-of-county rate; out of state residents pay at the out-of-state rate for the sponsor campus. For tuition rates visit <https://qa.mtairycollegecenter.com/admissions/tuition-fees#overlay-context=faq>.

### **What if I change my mind or want to drop my course(s)?**

You will follow the registration, payment, schedule change, and drop calendar of your home school (the school where you are registered). In other words, if you register for a course at Howard, you follow Howard's rules and payment schedule without regard to which campus is sponsoring the course.

### **Will there be advising, career services, or other assistance at the center?**

No professional advising or counseling staff members will be housed at the center. Faculty members will offer office hours and will be available for discipline based advising during certain times. Advising and academic planning will take place at your home campus until you enter your Mount Airy program. Advisors at your home campus have received training on the programs at their partner institutions so they will be able to assist you in preparing for your academic program enrollment through the center. Students may inquire about the Mount Airy College Center for Health Care Education program of interest by contacting the Admissions Office at the sponsor institution. Please return to your home campus for assistance.

### **How do I apply for financial aid and what institution will be awarding the aid?**

All students are required to complete the FAFSA form ([www.fafsa.gov/](http://www.fafsa.gov/)) to apply for state and federal financial aid. On the FAFSA, students will need to indicate the school(s) they wish to receive their information. Students should indicate their home institution (Carroll, Howard or Frederick) on the FAFSA. The home institution will be the awarding institution. For students attending a program at another institution, for instance a Carroll student attending a Howard program at the center, the institution that will be issuing the student's final degree, in this case Howard, would become the student's home and awarding institution. Eligibility for various types of financial aid (including grants, loans and scholarships), application and awarding procedures may vary by institution. For more information on the types of financial aid available, students should contact the home institution for the program in which they intend to enroll.

### **Is the academic calendar from the center different than my home campus calendar; and, what happens in the event of campus closings for holidays or for inclement weather?**

The campus calendar for the center is on the center website. The calendar is similar to but is not the same as the calendars at your home campus. Therefore, please be sure to consult the calendar for the center. Please note that if you are taking courses at your home campus and at the center, you will need to follow both calendars as they may not be the same. The center classes will follow the Carroll Community College announcements for snow and emergency closings. Be sure to sign up for test or email notifications through e2Campus ([www.carrollcc.edu/alerts?navtk=icon](http://www.carrollcc.edu/alerts?navtk=icon)).

**NOTE: The cost of courses offered at the Mount Airy College Center for Health Care Education may differ from the cost of the same courses when offered at the home campus.**



# 2016

## Mt. Airy Courses Spring

### 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.

### BI: Biological Science

#### BI 101 – General Biology (4)

GenEd Science

*Prerequisites: Completion of high school biology strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

Intended for science majors, technology majors and pre-allied health majors. Presents a comprehensive survey of modern biology. Uses examples of all kingdoms of organisms to illustrate basic biological principles in cell and molecular biology including classical and molecular genetics and principles of systematics.

4242	BI101-MA1Lc	TTh	8:30am - 9:50pm	Mt. Airy 15-week
4243	BI101-MA11Lb	T	10:00am - 12:50pm	Mt. Airy 15-week
4244	BI101-MA2Lc	Th	6:00pm - 8:50pm	Mt. Airy 15-week
4245	BI101-MA21Lb	T	6:00pm - 8:50pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Carroll Community College.

#### BI 103 – Anatomy & Physiology (4)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82 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.

4246	BI103-MA1Lc	MW	12:30pm - 1:50pm	Mt. Airy 15-week
4247	BI103-MA11Lb	W	9:00am - 11:50am	Mt. Airy 15-week
4248	BI103-MA2Lc	M	6:00pm - 8:50pm	Mt. Airy 15-week
4249	BI103-MA21Lb	W	6:00pm - 8:50pm	Mt. Airy 15-week
4250	BI103-MA3Lc	Sat	9:00am - 12:00pm	Mt. Airy 15-week
4251	BI103-MA31Lb	Sat	1:00pm - 4:00pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Howard Community College.

#### BI 104 – Anatomy & Physiology (4)

GenEd 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.

4252	BI104-MA1Lc	MW	11:00am - 12:20pm	Mt. Airy 15-week
4253	BI104-MA11Lb	M	8:00am - 10:50am	Mt. Airy 15-week
4254	BI104-MA2Lc	T	6:00pm - 8:50pm	Mt. Airy 15-week
4255	BI104-MA21Lb	Th	6:00pm - 8:50pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Howard Community College.

#### BI 107 – Human Biology (4)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

Presents a study of the human body and its relationships to health, disease, and the environment. Covers basic concepts of anatomy, physiology, genetics, cancer, disease, immunology, aging, human evolution and/or related topics. Incorporates case studies, group work and information technology. For the non-science major. Meets the requirement for a general education science lab course.

4256	BI107-MA1Lc	W	6:00pm - 8:50pm	Mt. Airy 15-week
4257	BI107-MA11Lb	M	6:00pm - 7:50pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Carroll Community College.

### schedule changes

For updates to the schedule and instructor information:  
[www.frederick.edu/realtimeschedule](http://www.frederick.edu/realtimeschedule)

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

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82 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.

4258	BI120-MA1Lc	TTh	6:00pm - 7:20pm	Mt. Airy 15-week
4259	BI120-MA11Lb	TTh	7:30pm - 8:50pm	Mt. Airy 15-week
4260	BI120-MA2Lc	F	8:30am - 11:20am	Mt. Airy 15-week
4261	BI120-MA21Lb	F	11:30am - 2:20pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Frederick Community College.

## BI 140 – Biotechnology and Society (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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

3460	BI140-ONL1	🏠	NET	Mt. Airy 15-week
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Taught by Frederick Community College.

## BI 220 – Cell Biology and Tissue Culture (4)

*Prerequisites: BI 101 and CH 101*

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

4280	BI220-MAHYBLc	NET		Mt. Airy 15-week
4281	BI220-MAHYBLb	Th	10:30am - 1:15pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Frederick Community College.

## BI 240 – Genetics (4)

*Prerequisites: BI 101 and CH 101*

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

4282	BI240-MA1Lc	T	2:00pm - 4:30pm	Mt. Airy 15-week
4283	BI240-MA11Lb	Th	2:00pm - 4:30pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).  
Taught by Frederick Community College.

## BPM: Bioprocessing

Students must apply to Frederick Community College to take these courses.

### BPM 102 – Bioprocessing Environment (3)

*Prerequisite: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4274	BPM102-ONL1	🏠	NET	Mt. Airy 15-week
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### BPM 103 – Laboratory Techniques I (1)

*Prerequisite: Completion of high school biology or chemistry is strongly recommended, EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99; MA 82*

Focuses on the basic principles and procedures used in all laboratory courses. Includes safety, use of instruments and equipment, basic wetlab skills, laboratory math, and professionalism.

4275	BPM103-MA1	MW	6:00pm - 8:50pm	Mt. Airy 1st 7-week
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### BPM 110 – Bioprocessing Measurements (4)

*Prerequisite or Corequisite: BPM 103*

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

4276	BPM110-MAHYBLc	🏠	NET	Mt. Airy 2nd 7-week
4277	BPM110-MAHYBLb	MW	6:00pm - 8:50pm	Mt. Airy 2nd 7-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

### BPM 214 – Techniques in Bioproduction (4)

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

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.

4278	BPM214-MAHYBLc	🏠	NET	Mt. Airy 15-week
4279	BPM214-MAHYBLb	T	10:30am - 1:15pm	Mt. Airy 15-week

Note: Students must register for corresponding lecture (Lc) and lab (Lb).

## BU: Business Studies

### BU 103 – Introduction to Business (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

4284	BU103-MA1	W	6:00pm - 8:50pm	Mt. Airy 15-week
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Taught by Frederick Community College.

## EN: English & Literature

### EN 101–English Composition (3)

*GenEd English Composition*

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

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

**4285 EN101-MA1 F 9:00am - 11:50am Mt. Airy  
15-week**

Taught by Howard Community College.

## HI: History

### HI 202–History of the United States (3)

*GenEd Social & Behavioral Sciences/History*

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Covers United States history from Reconstruction to the present.

**4263 HI202-MA1 Th 6:30pm-9:20pm Mt. Airy  
15-week**

Taught by Frederick Community College.

## MA: Mathematics

### MA 207–Elementary Statistics with Probability (4)

*GenEd Mathematics*

*Prerequisite: 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 can only receive credit for one of the following: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A. Note: AAT students should take MA 207 rather than MA 207A.

**4300 MA207-MA1 TTh 8:00am - 9:50am Mt. Airy  
15-week**

Taught by Carroll Community College.

## RC: Respiratory Care

Students must apply to Frederick Community College to take these courses.

### RC 103 – Pharmacology (3)

*Prerequisites: BI 104, RC 100, RC 102, RC 104*

Introduces the various classifications of drugs, including drug action and effects, site of activity, recommended dosages and toxicity. Emphasis on anesthetics, bronchodilators, mucokinetics, cardiovascular agents and drugs affecting the nervous system as they apply to respiratory therapy.

**4264 RC103-MA1 MW 9:30am - 10:45am Mt. Airy  
15-week (1/25 - 5/14)**

### RC 105 – Cardiopulmonary and Renal Anatomy and Physiology (3)

*Prerequisites: BI 104, RC 100, RC 102, RC 104*

Emphasizes the structure and function of the pulmonary, cardiovascular and renal systems as they relate to respiratory therapy.

**4265 RC105-MA1 M 11:00am - 1:30pm Mt. Airy  
15-week (1/25 - 5/14)**

### RC 107 – Principles of Mechanical Ventilation (4)

*Prerequisite: BI 104, RC 100, RC 102, RC 104*

Explores general principles of gas physics, principles of airway management, intubation and the theory and operation of mechanical ventilators. Includes special problems associated with both short-term and long-term care of patients requiring artificial ventilation. Integrates arterial blood gas studies with course topics. The laboratory portion of the course takes the principles and procedures presented in lecture and apply them via procedure competency testing and simulated clinical situations.

**4266 RC107-MA1Lc MW 8:00am - 9:15am Mt. Airy  
15-week**  
**4267 RC107-MA11Lb W 11:00am - 1:00pm Mt. Airy  
15-week**  
**4268 RC107-MA12Lb W 1:00pm - 3:00pm Mt. Airy  
15-week**

### RC 109 – Clinical Practicum I (2)

*Prerequisites: RC 100, RC 102, RC 104, BI 104*

Introduces the hospital environment and patient care, including patients charts and record-keeping. Includes practical experience in using basic respiratory therapy equipment and applying it to patient care. Students perform basic respiratory therapy modalities such as oxygen therapy, aerosol therapy, IPPB, incentive spirometry and chest physiotherapy and postural drainage.

**4269 RC109-1 TTh 7:00am - 2:00pm Mt. Airy  
15-week**

### RC 203 – Pulmonary Rehabilitation and Home Care (2)

*Prerequisite: RC 202, RC 204, RC 206, RC 208*

Reviews all of the assessment skills, equipment, and interventions presented throughout the program, and applies them to the care of patients in alternative settings. Focus is on teaching patients to live with their diseases. A capstone course for the respiratory care program.

**4270 RC203-MA1 Th 11:40am - 1:20pm Mt. Airy  
15-week**

## RC 205 – Professional Seminar (2)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Prepares students for entry into clinical practice. Emphasizes preparation for the entry level and registry examinations given by the National Board for Respiratory Care. Provides familiarization with the prospective test matrices and uses both text and computer review materials. Reviews and discusses assigned current readings from various journals related to respiratory therapy.

**4271 RC205-MA1 Th 9:30am - 11:10am Mt. Airy  
15-week**

## RC 207 – Cardiopulmonary and Renal Pathophysiology Review (3)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Examines the effects of various diseases upon the cardiopulmonary and renal systems. Discusses both acute and long-term aspects of ventilatory-circulatory impairment. Emphasis on diseases that cause insult to the respiratory system.

**4272 RC207-MA1 T 9:00am - 11:30am Mt. Airy  
15-week**

## RC 209 – Clinical Practicum IV (2)

Prerequisite: RC 202, RC 204, RC 206, RC 208

Provides clinical experience in the pediatric/neonatal environment as well as advanced adult critical care. Students rotate through neonatal and pediatric intensive care units and gain practical experience with mechanical ventilator management and various therapeutic techniques for this patient population. Students also rotate through various adult critical care areas.

**4273 RC209-1 MW 7:00am - 2:00pm Mt. Airy  
15-week**

## Emergency Medical Technician

Students must apply to Howard Community College to take these courses.

### EMSP 106 – Emergency Medical Technician I

**MW 6:00pm-9:00pm 1st 7-week  
Sat 9:00am-4:00pm 1st 7-week**

### EMSP 107 – Emergency Medical Technician II

**MW 6:00pm-9:00pm 2nd 7-week  
Sat 9:00am-4:00pm 2nd 7-week**

## Health Information Technology

Students must apply to Carroll Community College to take these courses.

### HIT 111 – Medical Terminology

 **Online 15-week**

### HIT 112 – Healthcare Data Content and Structure

 **Online 15-week**

### HIT 115 – Pathophysiology and Pharmacology

 **Online 15-week**

### HIT 121 – Basic Diagnosis Coding

**T 6:30pm-9:20pm 15-week**

### HIT 122 – Basic Procedure Coding

**Th 6:30pm-9:20pm 15-week**

### HIT 201 – Computer Applications in Healthcare

 **Online 15-week**

### HIT 222 – Advanced Coding Concepts

 **Online 15-week**

### HIT 223 – Reimbursement Methodologies

 **Online 15-week**

### HIT 225 – Healthcare Delivery Systems

 **Online 15-week**



# 2016

## J-Term Credit Schedule

### ACCT: Accounting

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#### ACCT 101–Principles of Accounting I (3)

*Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97*

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.

**609 ACCT101-1** T-F 9:00am-12:45pm Jan 5-20

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

*Prerequisite: ACCT 101*

Continues the study of financial accounting principles and procedures from ACCT 101, with emphasis on the corporate form of business organization. Students will also be introduced to managerial accounting concepts used for planning and controlling the business enterprise.

**610 ACCT102-1** T-F 9:00am-12:45pm Jan 5-20

### AN: Anthropology

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#### AN 101–Introduction to Anthropology (3)

GenEd Social & Behavioral Sciences/Anthropology; Cultural Competence

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

**643 AN101-1** T-F 9:00am-12:45pm Jan 5 - 20

### AR: Art

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#### AR 101–Two Dimensional Art and Design (3)

GenEd Arts and Humanities/Arts

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52*

*OR ESL 95 and ESL 99*

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

**620 AR101-1** T-F 9:00am-12:45pm Jan 5-20

• Students must furnish own supplies.

**621 AR101-2** T-F 1:00pm-4:45pm Jan 5-20

• Students must furnish own supplies.

#### AR 106–Drawing I (3)

GenEd Arts and Humanities/Arts

*Prerequisites or Corequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

**622 AR106-1** T-F 9:00am-12:45pm Jan 5-20

• Students must furnish own supplies.

**623 AR106-2** T-F 1:00pm-4:45pm Jan-20

• Students must furnish own supplies.

### BI: Biological Science

#### BI 55–Preparation for Allied Health (0) [3]

*Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97, and MA 81*

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

**636 BI55-1** T-F 1:00pm-4:45pm Jan 5-20

**637 BI55-2** T-F 5:00pm-8:45pm Jan 5-20

#### BI 202–Human Ecology (3)

GenEd Science

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82*

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.

**638 BI202-1** T-F 9:00am-12:45pm Jan 5-20

• Several mandatory field trips may extend into the afternoon hours.

### BU: Business Studies

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#### BU 103–Introduction to Business (3)

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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.

**611 BU103-1** T-F 9:00am-12:45pm Jan 5-20

### CIS: Computer & Information Sciences

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#### CIS 101–Information Systems and Technology (3)

GenEd Interdisciplinary & Emerging Issues/Computer Literacy

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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 will also learn productivity applications, such as word processing, spreadsheet, presentation, and database software.

**612 CIS101-HYB1** T-F 9:00am-11:30am Jan 5-20

• Windows 8; Office 2013; MyITLab; Apache; Sea Monkey; Chrome; Firefox; IE; Acrobat; Flash; LANSchool; Google Chrome

**613 CIS101-HYB2 T-F 12:00pm-2:30pm Jan 5-20**  
 • Windows 8; Office 2013; MyITLab; Apache;Sea Monkey; Chrome; Firefox; IE; Acrobat; Flash; LANschool; Google Chrome

**614 CIS101-HYB3 TWTh 6:00pm-9:30pm Jan 5-20**  
 • Windows 8; Office 2013; MyITLab; Apache;Sea Monkey; Chrome; Firefox; IE; Acrobat; Flash; LANschool; Google Chrome

## CMSP: Communications Speech

### CMSP 103–Speech Fundamentals (3)

GenEd Arts and Humanities/Communications

*Prerequisite: EN 52 or ESL 99*

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

**624 CMSP103-1 T-F 9:00am - 12:45pm Jan 5 - 20**  
**625 CMSP103-2 T-F 1:00pm - 4:45pm Jan 5 - 20**  
**626 CMSP103-3 T-F 5:00pm - 8:45pm Jan 5 - 20**

### CMSP 105–Group Discussion (3)

GenEd Arts and Humanities/Communications; Cultural Competence

*Prerequisite: EN 52 or ESL 99*

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

**627 CMSP105-1 T-F 9:00am - 12:45pm Jan 5 - 20**  
**628 CMSP105-2 T-F 9:00am - 12:45pm Jan 5 - 20**  
**629 CMSP105-3 T-F 1:00pm - 4:45pm Jan 5 - 20**  
**630 CMSP105-4 T-F 5:00pm - 8:45pm Jan 5 - 20**

## EC: Economics

### EC 201–Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

*Prerequisite: EN 52 or ESL 99*

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

**615 EC201-1 T-F 9:00am - 12:45pm Jan 5 - 20**

### EC 202–Principles of Economics (3)

GenEd Social & Behavioral Sciences/Economics

*Prerequisite: EC 201*

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

**616 EC202-1 T-F 9:00am - 12:45pm Jan 5 - 20**

## EN: English & Literature

### EN 60–Writing Skills II Part 1 (0) [2]

*Prerequisites: EN 50 and EN 51 or ESL 94 and ESL 97 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.

**640 EN60-1 T-F 9:30am - 12:00pm Jan 5 - 20**

### EN 61–Writing Skills II Part 2 (0) [2]

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

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

**641 EN61-1 T-F 1:00pm - 3:30pm Jan 5 - 20**

### EN 120–Composition Workshop (2)

*Prerequisite: EN 52, EN 61, or EN 101*

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

**631 EN120-EX1 T-F 12:30pm - 4:15pm Jan 5 - 20**

### EN 226–Film as Literature (3)

GenEd Arts and Humanities/Humanities

*Prerequisite: EN 101*

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

**632 EN226-1 T-F 1:00pm - 4:45pm Jan 5 - 20**

## HE: Health Education

### HE 201–Stress Management (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

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

A wellness course designed to aid students in understanding the nature and sources of stress. Stress management coping strategies and relaxation techniques will be introduced.

**601 HE201-1 T-F 9:00am - 12:45pm Jan 5 - 20**  
**602 HE201-2 T-F 1:00pm - 4:45pm Jan 5 - 20**

### HE 204–Health Education (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

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

**603 HE204-1 T-F 1:00pm - 4:45pm Jan 5 - 20**

## HI: History

### HI 202–History of the United States (3)

GenEd Social & Behavioral Sciences/History

*Prerequisites: EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99*

Covers United States history from Reconstruction to the present.

**644 HI202-1 T-F 1:00pm - 4:45pm Jan 5 - 20**

## HS: Human Services

### HS 102–Human Relations (3)

GenEd Social & Behavioral Sciences/Human Services; Cultural Competence

*Prerequisite: EN 52 or ESL 99*

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.

**645 HS102-1 T-F 9:00am - 12:45pm Jan 5 - 20**

## MA: Mathematics

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### MA 103–Foundations of Mathematics (3)

GenEd Mathematics

*Prerequisite:* MA 82, BU/MA 205A, MA 206A, 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.

**633 MA103-1**      T-F      **9:00am - 12:45pm**      **Jan 5 - 20**

### MA 206–Elementary Statistics (3)

GenEd Mathematics

*Prerequisite:* MA 82 or MA 103A 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: BU/MA 205, BU/MA 205A, MA 206, MA 206A, MA 207, or MA 207A.

**634 MA206-1**      T-F      **9:00am - 12:45pm**      **Jan 5 - 20**

**635 MA206-2**      T-F      **9:00am - 12:45pm**      **Jan 5 - 20**

## MDA: Medical Assistant

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### MDA 104–Medical Assisting Clinical I (1)

*Prerequisites:* MDA 102, MDA 112

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

**617 MDA104-1**      ASG      ASG      **Jan 5 - 20**

### MDA 105–Medical Administration Clinical I

*Prerequisites:* MDA 109, MDA 112

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

**618 MDA105-1**      ASG      ASG      **Jan 5 - 20**

## PC: Physical Science

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### PC 103–Elements of Physical Science (3)

GenEd Science

*Prerequisites:* EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99, and MA 82

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.

**639 PC103-1**      T-F      **5:00pm - 8:45pm**      **Jan 5 - 20**

## PE: Physical Education

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### PE 108–Body Mechanics (1)

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

**604 PE108-1**      T-F      **5:00pm - 7:15pm**      **Jan 5 - 20**

### PE 154–Fitness for Living (3)

GenEd Interdisciplinary & Emerging Issues/Wellness

*Prerequisites:* EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

**606 PE154-1**      T-F      **9:00am - 12:45pm**      **Jan 5 - 20**

### PE 241–Methods of Fitness and Conditioning (1)

Designed for those who will be assisting others with exercise. Integrates fitness research and application, and emphasizes teaching methodologies employed in training programs that focus on group exercise. Students will apply teaching methodologies through individual and group training.

**642 PE241-1**      T-F      **7:30pm - 9:45pm**      **Jan 5 - 20**

## PS: Psychology

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### PS 101–General Psychology (3)

GenEd Social & Behavioral Sciences/Psychology

*Prerequisites:* EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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

**646 PS101-1**      T-F      **9:00am-12:45pm**      **Jan 5 - 20**

## SO: Sociology

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### SO 101–Introduction to Sociology (3)

GenEd Social & Behavioral Sciences/Sociology

*Prerequisites:* EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

**647 S0101-1**      T-F      **1:00pm-4:45pm**      **Jan 5 - 20**

**648 S0101-2**      T-F      **5:00pm-8:45pm**      **Jan 5 - 20**

### SO 202–Marriage and Family (3)

*Prerequisites:* EN 50A or EN 61 and EN 52 OR ESL 95 and ESL 99

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.

**649 S0202-1**      T-F      **9:00am-12:45pm**      **Jan 5 - 20**

## ST: Surgical Technology

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### ST 105–Clinical Practicum (5)

*Prerequisite:* ST 100

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

**607 ST105-1Lc**      F      **8:00am - 4:00pm**      **Jan 5 - 20**

**608 ST105-11Lb**      T-F      **6:45am - 4:00pm**      **Jan 5 - 20**

# Spring 2016: Accelerated Courses

10-week session March 2–May 15				
3249	CIS101-HYB1	Information Systems and Technology (3)	F	10:00am–12:00pm
3256	CIS101-ONL4	Information Systems and Technology (3)	NET	NET
3267	CIS106-HYB2	Introduction to Object Design and Programming (3)	Th	6:45pm–9:15pm
3270	CIS111E-HYB1	Microcomputer Software Applications: Spreadsheets(3)	M	7:45pm–9:15pm
3278	CIS111R-ONL1	Business Software Applications (3)	NET	NET
4434	CIS175-HYB1	Game Theory & Design	T	5:00pm–7:00pm
4435	CIS176-HYB1	Game Design & Creation	T	7:15pm–9:15pm
3299	CIS203-HYB2	Systems Analysis & Design	W	5:00pm–6:15pm
3300	CIS204-ONL1	Computer & Information Sciences Project (3)	NET	NET
4326	CIS208-HYB1	C++ Programming (3)	T	6:30pm–9:00pm
3311	CIS222-HYB1	Computer Organization (4)	W	7:15pm–8:30pm
3314	CIS226-HYB1	Game Scripting (3)	T	5:00pm–6:15pm
4332	CIS230-HYB1	Database Management Systems (3)	Th	7:45pm–9:15pm
3018	MA81-1CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	9:30am–10:45am
3019	MA81-2CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	11:00am–12:15pm
3020	MA81-3CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	12:30pm–1:45pm
3021	MA81-4CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	2:00pm–3:15pm
3022	MA81-5CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	6:00pm–7:15pm
3017	MA81-SH1CW	Pre-Algebra/ Introductory Algebra (0)[4]	MTWTh	8:00am–9:15am

13-week session February 8–May 14				
3547	AN101-2	Introduction to Anthropology (3)	TTh	8:00am–9:30am
3250	CIS101-HYB2	Information Systems and Technology (3)	F	12:30pm–2:00pm
3251	CIS101-HYB3	Information Systems and Technology (3)	T	7:45pm–9:15pm
3255	CIS101-ONL3	Information Systems and Technology (3)	NET	NET
3272	CIS111E-ONL1	Microcomputer Software Applications: Spreadsheets(3)	NET	NET
3276	CIS111M-HYB3LK	Microcomputer Software Applications: Spreadsheets(3)	W	5:00pm–6:30pm
4322	CIS111M-HYB4LK	Microcomputer Software Applications: Spreadsheets(3)	Th	3:30pm–5:00pm
3283	CIS140-HYB1	Java Programming (3)	W	7:15pm–9:15pm
3296	CIS201-HYB2	Computer Science II (4)	W	5:00pm–7:00pm
3297	CIS202-HYB1	Computer Science II (4)	M	7:15pm–9:30pm
3304	CIS212-HYB3LK	PC Repair & Diagnostics (4)	W	6:30pm–8:00pm
4328	CIS212-HYB4LK	PC Repair & Diagnostics (4)	Th	5:00pm–6:30pm
3313	CIS225C-HYB1	Computer Programming Language: Mobile Applet Programming (3)	M	5:00pm–7:00pm
3315	CIS227-HYB1	Game Programming (3)	M	5:00pm–8:15pm
3555	CJ101-ONL1	Introduction to Criminal Justice (3)	NET	NET
3557	CJ110-1	Introduction to Criminal Justice (3)	TTh	9:30am–11:00am
4095	CMSP105-6	Small Group Discussion (3)	T	11:00am–2:00pm
4096	CMSP105-7	Small Group Discussion (3)	TTh	11:00am–12:30pm
4100	CMSP105-11	Small Group Discussion (3)	Th	11:00am–2:00pm
4105	CMSP105-16	Small Group Discussion (3)	T	5:00pm–8:00pm
3602	GG102-1	Cultural Geography (3)	TTh	11:00am–12:30pm
3606	HI101-2	History of Western Civilization (3)	MW	3:30pm–4:55pm
3610	HI102-1	History of Western Civilization (3)	MW	9:30am–11:00am
3616	HI201-3	History of the United States (3)	TTh	3:30pm–4:55pm
3621	HI202-3	History of the United States (3)	TTh	3:30pm–5:00pm
3082	MA130-7	College Algebra (3)	TTh	3:30pm–5:00pm
3084	MA130-9	College Algebra (3)	MW	5:00pm–6:45pm



<b>1st 5-week session January 25–February 26</b>				
4424	HOS121-ONL1	Sanitation & Food Safety (1)	NET	NET
3012	MA80-1	Pre-Algebra/ Introductory Algebra (0)[4]	MW	9:30am–10:45am
3013	MA80-2	Pre-Algebra/ Introductory Algebra (0)[4]	MW	11:00am–12:15pm
3014	MA80-3	Pre-Algebra/ Introductory Algebra (0)[4]	MW	12:30pm–1:45pm
3015	MA80-4	Pre-Algebra/ Introductory Algebra (0)[4]	MW	2:00pm–3:15pm
3016	MA80-5	Pre-Algebra/ Introductory Algebra (0)[4]	MW	6:00pm–7:15pm
3116	MA214-HYB1	Introduction to Mat.Lab (3)	T	9:30am–10:15am

<b>1st 7-week session January 25–March 11</b>				
3177	ACCT101-HYB1	Principles of Accounting I (3)	T	6:00pm–8:35pm
4406	ACE111A-ONL1	Introduction to Career Planning (1)	NET	NET
3121	BLD109-HYB1	Fundamentals of HVACR (4)	MW	6:00pm–9:00pm
3123	BLD113-HYB1	Air Conditioning and Heat Pumps (4)	TTh	6:00pm–9:00pm
3125	BLD121-1Lc	Introduction to Welding (4)	MW	9:00am–12:00pm
3126	BLD121-1Lb	Introduction to Welding (4)	MW	1:00pm–4:30pm
3129	BLD121-HYB1	Introduction to Welding (4)	MW	5:00pm–9:00pm
3136	BLD128-HYB1	Advanced Welding: SMAW 4G (4)	TTh	5:00pm–9:00pm
4307	BLD141-HYB1	Electrical Theory & Fundamentals (4)	MW	9:00am–12:00pm
3140	BLD141-HYB3	Electrical Theory & Fundamentals (4)	TTh	6:00pm–9:00pm
3144	BLD145-HYB1	Commercial Electrical Application (4)	MW	6:00pm–9:00pm
3200	BU103-HYB1	Introduction to Business (3)	T	6:00pm–8:35pm
4317	BU103-ONL2	Introduction to Business (3)	NET	NET
3205	BU109-HYB1	Entrepreneurship & Small Business Enterprise (3)	M	6:00pm–8:35pm
4318	BU211-HYB1	Business Law I (3)	Th	6:00pm–8:35pm
3217	BU273-HYB1	Business Communications (3)	T	6:00pm–8:35pm
3228	CAD130-HYB1	Introduction to Revit (BIM)(3)	Th	5:00pm–7:35pm
3287	CIS179-HYB1	Cybersecurity Fundamentals (3)	W	12:00pm–2:00pm
3289	CIS180-HYB1	Networking Fundamentals (3)	W	9:30am–11:45am
3290	CIS180-HYB2	Networking Fundamentals (3)	T	6:00pm–8:30pm
4325	CIS180-ONL1	Networking Fundamentals (3)	NET	NET
3291	CIS190-HYB1	Cisco 1Networking Fundamentals (3)	M	6:30pm–9:00pm
3293	CIS192-ONL1	Cisco 3 Switching Technologies (3)	NET	NET
3305	CIS212-ONL1LK	PC Repair & Diagnostics (3)	NET	NET
3308	CIS218-HYB1	Information Security & Assurance (3)	Th	6:30pm–9:00pm
3309	CIS219-HYB1	Ethical Hacking and Systems Defense (3)	W	6:30pm–9:00pm
4436	CIS177-HYB1	Interactive 3D Technolog	Th	6:00pm–8:15pm
3306	CIS217-HYB1	Cybercrime & Digital Forensics	M	6:30pm–9:00pm
3312	CIS223-HYB1	Cloud Security (3)	W	6:30pm–9:00pm
3326	EC201-HYB3	Principles of Economics (3)	W	5:00pm–7:35pm
4333	EC201-ONL2	Principles of Economics (3)	NET	NET
4353	ECD108-HYB1	Activities for the School-Age Child (3)	M	6:00pm–8:30pm
3834	EN60-3	Writing Skills II Part 1 (0) [2]	TTh	12:00pm–1:45pm
3836	EN60-LK1	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	MW	9:00am–10:45am
3837	EN60-LK2	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	MW	10:00am–11:45am

3838	EN60-LK3	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	MW	11:00am–12:45pm
3839	EN60-LK4	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	MW	1:00pm–2:45pm
3840	EN60-LK5	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	MW	2:00pm–3:45pm
3841	EN60-LK6	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	TTh	9:00am–10:45am
3842	EN60-LK7	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	TTh	11:00am–12:45pm
3843	EN60-LK8	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	TTh	1:00pm–2:45pm
3844	EN60-LK9	Writing Skills II Part1 /Writing Skills II Part2(0) [2]	M	5:30pm–9:00pm
3845	EN61-1	Writing Skills II Part2 (0)[2]	MW	12:00pm–1:45pm
3846	EN61-2	Writing Skills II Part 2 (0) [2]	TTh	10:00am–11:45am
3848	EN61-4	Writing Skills II Part 2 (0) [2]	T	5:30pm–9:00pm
3730	HE110-1	Nutrition Basics (1)	F	9:30am–11:30am
3733	HE115-1	Stress Management Techniques (1)	F	9:30am–11:30am
4413	HE120-1	CPR/AED and Basic First Aid (1)	TTh	9:30am–10:45am
4415	HOS109-2M	Introduction to Culinary Arts (2)	W	6:00pm–8:35pm
4428	HOS215-HYB1M	Catering and Event Management (3)	Th	6:00pm–8:35pm
4430	HOS218-HYB1M	Hospitality Information Systems (3)	M	6:00pm–8:35pm
4125	LS101-1	Introductory Spanish I (3)	MTWTh	9:30am–10:45am
3337	MDA101-1	Foundations of Medical Assisting I (2)	TTh	6:30pm–8:45pm
3339	MDA108-HYB1	Basic Medical Terminology (1)	T	2:00pm–3:15pm
3341	MDA108-HYB2M	Basic Medical Terminology (1)	W	6:00pm–7:15pm
3345	MDA109-HYB3	Medical Terminology (3)	M	6:00pm–8:35pm
3350	MDA112-HYB1	Medical/Administrative Office Applications (3)	W	6:00pm–8:35pm
3352	MDA201-1	Medical Assisting Laboratory Procedures (4)	F	8:00am–1:20pm
3355	MDA216-HYB1	Medical Coding Basics (3)	T	6:00pm–8:35pm
3357	MDA220-ONL1	Electronic Health Records (3)	NET	NET

<b>1st 7-week-Saturday session January 30–March 12</b>				
3169	ACCT100-HYB1	Business Accounting (3)	Sat	8:30am–12:00pm
3327	EC201-HYB1	Principles of Economics (3)	Sat	9:00am–11:35am
3573	ECD213-HYB1	Understanding and Guiding the Young Child's Behavior (3)	Sat	9:00am–1:15pm
3649	LA100-HYB1	Introduction to Law (3)	Sat	9:00am–1:15pm
3654	LA220-HYB1	Evidence & Procedure (Civil) (3)	Sat	9:00am–1:15pm

<b>1st 7-week Mt. Airy session January 26–March 13</b>				
4275	BPM103-MA1	Laboratory Techniques I (1)	MW	6:00pm–8:50pm

<b>1st 8-week session January 25–March 18</b>				
4370/ 4371	BI103-8Lc/81Lb	Anatomy & Physiology (4)	TTh	5:00pm - 10:15pm
4352	ECD230-ONL1	Language and Literacy Development in Early Childhood (3)	NET	NET
4394	EM130-ONL1	Integrated Emergency Management (3)	NET	NET
4395	EM201-ONL1	Research and Technology in Emergency Management (3)	NET	NET
3883	EN101-24	English Composition (3)	MW	6:00pm–8:15pm
3890	EN101-ONL4	English Composition (3)	NET	NET
3917	EN102-7	English Composition and Literature (3)	MW	3:30pm–5:45pm
3728	HE102-ONL3	English Composition and Literature (3)	NET	NET
3735	HE200-1	Principles & Application of Nutrition (3)	TTh	11:00am–1:30pm
4416	HOS110- HYB1M	Introduction to Hospitality Management (3)	T	6:00pm–8:35pm
4399	ID225-1	Disaster, Crisis and Emergency Management (3)	TTh	11:00am–1:30pm
4400	ID225-ONL1	Disaster, Crisis and Emergency Management (3)	NET	NET
4130	LS101-6	Introductory Spanish I (3)	TTh	6:00pm–8:30pm

<b>2nd 5-week session February 29–April 8</b>				
3279	CIS116C-ONL1	Presentation Graphics (1)	NET	NET
3280	CIS116F-HYB1	Computer Fundamentals	Th	5:00pm–6:30pm
4056	CMM115-1	Professional & Transfer Portfolio (1)	MW	12:30pm–1:45pm
4423	HOS121-1	Sanitation & Food Safety (1)	Sat	9:00am–11:30am
4425	HOS121-ONL2	Sanitation & Food Safety (1)	NET	NET

<b>2nd 7-week session March 28–May 14</b>				
3184	ACCT102-HYB1	Principles of Accounting II (3)	T	6:00pm–8:35pm
3362	BI55-3	Preparation for Allied Health (0) [3]	TTh	2:00pm–4:30pm
4303	BLD109-HYB2	Fundamentals of HVACR (4)	TTh	6:00pm–9:00pm
3122	BLD110-HYB1	Controls for HVACR (4)	MW	6:00pm–9:00pm
4304	BLD121-HYB2	Introduction to Welding (4)	TTh	5:00pm–9:00pm
3132	BLD122-HYB1	Advanced Welding: SMAW (4)	MW	5:00pm–9:00pm
4305	BLD125-1Lc	Advanced Welding: GTAW (4)	MW	9:00am–12:00pm
4306	BLD125-1Lb	Advanced Welding: GTAW (4)	MW	1:00pm–4:30pm
4308	BLD141-HYB2	Electrical Theory & Fundamentals (4)	MW	6:00pm–9:00pm
4309	BLD142-HYB1	Electrical Code & Application (4)	MW	9:00am–12:00pm
3142	BLD142-HYB2	Electrical Theory & Fundamentals (4)	TTh	6:00pm–9:00pm
3199	BU103-5	Introduction to Business (3)	F	9:30am–12:05pm
3201	BU103-HYB2	Introduction to Business (3)	T	6:00pm–8:35pm
4334	BU109-HYB2	Entrepreneurship & Small Business Enterprise (3)	M	6:00pm–8:35pm
4319	BU227-HYB1	Principles of Management (3)	Th	6:00pm–8:35pm
3215	BU272-HYB1	Supervisory Management (3)	W	6:00pm–8:35pm
3230	CAD204-HYB1	Introduction to Inventor (3)	Th	5:00pm–7:35pm
3257	CIS101-ONL5	Information Systems and Technology (3)	NET	NET
3277	CIS111M-ON- L1LK	PC Operating Systems (3)	NET	NET

4324	CIS170-ONL1	Security Fundamentals (3)	NET	NET
3286	CIS173-ONL1	Healthcare Information Technology (3)	NET	NET
3294	CIS193-ONL1	Cisco 4 WAN Technologies (3)	NET	NET
3328	EC201-HYB2	Principles of Economics (3)	M	5:00pm–7:35pm
3332	EC202-HYB1	Principles of Economics (3)	W	5:00pm–7:35pm
3569	ECD104-HYB1	Activities I for Children (3)	M	6:00pm–8:30pm
3832	EN60-1	Writing Skills II Part 1 (0)[2]	MW	12:00pm–1:45pm
3833	EN60-2	Writing Skills II Part 1 (0) [2]	TTh	10:00am–11:45am
3835	EN60-4	Writing Skills II Part 1 (0) [2]	T	5:30pm–9:00pm
3847	EN61-3	Writing Skills II Part 2 (0) [2]	TTh	12:00pm–1:45pm
3849	EN61-LK1	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	MW	9:00am–10:45am
3850	EN61-LK2	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	MW	10:00am–11:45am
3851	EN61-LK3	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	MW	11:00am–12:45pm
3852	EN61-LK4	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	MW	1:00pm–2:45pm
3853	EN61-LK5	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	MW	2:00pm–3:45pm
3854	EN61-LK6	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	TTh	9:00am–10:45am
3855	EN61-LK7	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	TTh	11:00am–12:45pm
3856	EN61-LK8	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	TTh	1:00pm–2:45pm
3857	EN61-LK9	Writing Skills II Part 2 (0)[2]/EN60–Writing Skills II Part 1 (0)[2]	M	5:30pm–9:00pm
3721	HE102-2	Nutrition in a Changing World (3)	TTh	11:00am–1:30pm
3731	HE110-2	Nutrition Basics (1)	F	9:30am–11:30am
3732	HE110-ONL1	Nutrition Basics (1)	NET	NET
3734	HE115-2	Stress Management Techniques (1)	F	9:30am–11:30am
4426	HOS123- HYB1M	Purchasing & Cost Control (3)	W	6:00pm–8:35pm
4429	HOS216- HYB1M	Food and Beverage Operations (3)	Th	6:00pm–8:35pm
4431	HOS219- HYB1M	Foundations of Lodging Management (3)	M	6:00pm–8:35pm
4295	IS912H-1	Honors Forum (1)	TBA	TBA
4296	IS912H-2	Honors Forum (1)	TBA	TBA
4132	LS102-1	Introductory Spanish II (3)	MTWTh	9:30am–10:50am
3338	MDA102-1	Foundations of Medical Assisting II (2)	TTh	6:30pm–8:45pm
3342	MDA108- HYB3M	Basic Medical Terminology (1)	W	6:00pm–7:15pm
3349	MDA110-ONL1	Pharmacology for Medical Office Practice (3)	NET	NET
3351	MDA112-ONL1	Medical/Administrative Office Applications (3)	NET	NET
3353	MDA202-1	Medical Assisting Clinical Skills (3)	F	8:00am–1:20pm
3356	MDA218-HYB1	Health Insurance Billing and Reimbursement(3)	T	6:00pm–8:35pm
3358	MDA220-ONL2	Electronic Health Records (3)	NET	NET
4462	MDA204-1	Medical Assisting Clinical II	ASG	ASG

<b>2nd 7-week Mt. Airy session March 23-May 15</b>				
4276/ 4277	BPM110-MA- HYBLc/ MAHYBLb	Bioprocessing Measurements	MW	6:00pm - 8:50pm

<b>2nd 7-week-Saturday session March 21-May 9</b>				
3187	ACCT111-HYB1	Computerized Accounting (3)	Sat	9:00am-12:00pm
3963	AR100-5	Introduction to the Creative Arts (3)	Sat	9:00am-2:20pm
3334	EC202-HYB2	Principles of Economics (3)	Sat	9:00am-11:35am
3572	ECD212-HYB1	Administration of Child Development Centers (3)	Sat	9:00am-1:15pm
3359	MDA222-HYB1	Introduction to Federal Healthcare Programs and Laws (3)	Sat	9:00am-11:30am

<b>2nd 8-week session March 16 - May 14</b>				
3429 /3430	BI104-8Lc/ BI104-81Lb	Anatomy & Physiology (4)	TTh	5:00pm-10:15pm
3980	AR106-3	Drawing I (3)	TTh	12:30pm-3:30pm
3435	BI117-1	Study of the Human Body (3)	MW	2:00pm-4:30pm
3252	CIS101-HYB4	Information Systems and Technology (3)	Th	7:45pm-9:15pm
3268	CIS111B-HYB1	Microcomputer Software Applications: Database (3)	W	12:00pm-2:00pm
3271	CIS111E-HYB2	Microcomputer Software Applications: Spreadsheets (3)	Th	6:45pm-9:00pm
3284	CIS170-HYB1	Security Fundamentals (3)	W	9:30am-11:45am
3285	CIS170-HYB2	Security Fundamentals (3)	T	6:00pm-8:15pm
3292	CIS191-HYB1	Cisco 2 Routing Technologies (3)	M	6:30pm-8:45pm
3307	CIS217-HYB2	Cybercrime and Digital Forensics Investigation (3)	Th	6:30pm-8:45pm
4329	CIS218-HYB2	Information Security & Assurance (3)	M	6:30pm-8:45pm
4330	CIS218-ONL1	Information Security & Assurance (3)	NET	NET
3310	CIS219-HYB2	Ethical Hacking and Systems Defense (3)	W	6:30pm-8:45pm
4331	CIS223-HYB2	Cloud Security (3)	W	6:30pm-8:45pm
4437	CIS178-HYB1	3D Modeling & Animation	Th	5:00pm-8:00pm
4327	CIS210-HYB1	LAN Design & Management	M	6:45pm-8:45pm
4038	CMM101-ONL2	Introduction to Electronic Media (3)	NET	NET
4052	CMM111-4	Communications Graphics I (3)	TTh	6:00pm-8:20pm
4054	CMM114-1	Web Design I (3)	Sat	1:00pm-4:40pm
4062	CMM132-2	Digital Photography I (3)	Fsat	10:00am-12:50pm
4102	CMSP105-13	Group Discussion (3)	Sat	9:00am-1:40pm
4356	ED/PS208-7	Human Growth & Development (3)	TTh	2:00pm-4:20pm
3598	ED/PS208-ONL3	Human Growth & Development (3)	NET	NET
4470	ED/PS208-ONL4	Human Growth & Development (3)	NET	NET
4396	EM203-1	Social Impacts of Disaster (3)	TTh	1:00pm-3:30pm
4397	EM205-ONL1	Emergency Management Leadership (3)	NET	NET
4398	EM210-1	Emergency Management Capstone (3)	TTh	5:30pm-8:00pm
3867	EN101-11	English Composition (3)	MW	3:30pm-5:45pm
3891	EN101-ONL5	English Composition (3)	NET	NET
3918	EN102-8	English Composition and Literature (3)	MW	3:30pm-5:45pm
3729	HE102-ONL4	Nutrition in a Changing World (3)	NET	NET
3633	HS102-9	Nutrition in a Changing World (3)	Sat	9:00am-1:40pm
4348	PS101-ONL3	General Psychology	NET	NET

<b>3rd 5-week session April 11-May 14</b>				
4464	CIS116D-ONL1	Computer Fundamentals	NET	NET
3282	CIS116E-ONL1	MS Applications Spreadsheets (1)	NET	NET

# Saturday Courses

## ACCT 100 – Business Accounting (3)

3169 ACCT100-HYB1 Sat 8:30am - 12:00pm 1st 7-week-S

## ACCT 111 – Computerized Accounting (3)

3187 ACCT111-HYB1 Sat 9:00am - 12:00pm 2nd 7-week-S

*Note: Meets first Saturday and last Saturday only.*

## ACE 100 – Learning Strategies (2)/EN 101 – English Composition (3)

3906 ACE100-LK7 Sat 12:10pm - 1:50pm 14-week

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

3963 AR100-5 Sat 9:00am - 2:20pm 2nd 7-week-S

## AR 106 – Drawing I (3)

3984 AR106-7 Sat 9:00am - 1:00pm 14-week

## ASLS 102 – American Sign Language I (ASL I) (3)

4021 ASLS102-9 Sat 9:00am - 11:30am 14-week

## BI 100 – Fundamental Concepts of Biology (4)

3377 BI100-6Lc Sat 9:00am - 11:45am 14-week

3378 BI100-61Lb Sat 12:00pm - 2:45pm 14-week

## BI 101 – General Biology (4)

3392 BI101-7Lc Sat 9:00am - 11:45am 14-week

3393 BI101-71Lb Sat 12:00pm - 2:45pm 14-week

## BI 103 – Anatomy & Physiology (4)

3412 BI103-6Lc Sat 9:00am - 11:45am 14-week

3413 BI103-61Lb Sat 12:00pm - 2:45pm 14-week

## BI 103 – Anatomy & Physiology (4)

4250 BI103-MA3Lc Sat 9:00am - 12:00pm Mt. Airy/15-week

4251 BI103-MA31Lb Sat 1:00pm - 4:00pm Mt. Airy/15-week

## BI 104 – Anatomy & Physiology (4)

3424 BI104-6Lc Sat 12:00pm - 2:45pm 14-week

3425 BI104-61Lb Sat 9:00am - 11:45am 14-week

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

3445 BI120-4Lc Sat 9:00am - 11:45am 14-week

3446 BI120-41Lb Sat 12:00pm - 2:45pm 14-week

## BI 202 – Human Ecology (3)

3464 BI202-1 Sat 9:00am - 11:45am 14-week

## CH 101 – General Chemistry (4)

3487 CH101-8Lc Sat 9:00am - 11:45am 14-week

3488 CH101-81Lb Sat 12:00pm - 2:45pm 14-week

## CMM 114 – Web Design I (3)

4054 CMM114-1 Sat 1:00pm - 4:40pm 2nd 8-week

## CMSP 105 – Group Discussion (3)

4102 CMSP105-13 Sat 9:00am - 1:40pm 2nd 8-week

## EC 201 – Principles of Economics (3)

3327 EC201-HYB1 Sat 9:00am - 11:35am 1st 7-week-S

3334 EC202-HYB2 Sat 9:00am - 11:35am 2nd 7-week-S

## ECD 212 – Administration of Child Development Centers (3)

3572 ECD212-HYB1 Sat 9:00am - 1:15pm 2nd 7-week-S

## ECD 213 – Understanding and Guiding the Young Child's Behavior (3)

3573 ECD213-HYB1 Sat 9:00am - 1:15pm 1st 7-week-S

## EN 101 – English Composition (3)

3880 EN101-22 Sat 9:00am - 11:55am 14-week

## EN 101 – English Composition (3)/ACE 100 – Learning Strategies (2)

3897 EN101-LK7 Sat 9:00am - 11:55am 14-week

## ESL 95 – English Grammar II for ESL (0) [3]

3951 ESL95-2 Sat 8:30am - 11:25am 14-week

## HOS 121 – Sanitation & Food Safety (1)

4423 HOS121-1 Sat 9:00am - 11:30am 2nd 5-week

## HS 102 – Human Relations (3)

3633 HS102-9 Sat 9:00am - 1:40pm 2nd 8-week

## LA 100-Introduction to Law (3)

3649 LA100-HYB1 Sat 9:00am-1:15pm 1st 7-week-S

## LA 220 – Evidence & Procedure (Civil) (3)

3654 LA220-HYB1 Sat 9:00am - 1:15pm 1st 7-week-S

## MA 80 – Pre-Algebra (0) [1]/MA 81 – Introductory Algebra (0) [4]

3025 MA81-4 Sat 9:00am - 12:45pm 14-week

## MA 82 – Intermediate Algebra (0) [4]

3044 MA82-11 Sat 9:00am - 12:45pm 14-week

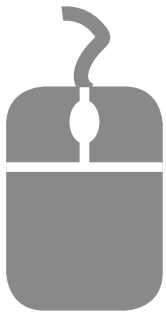
## MA 130 – College Algebra (3)

3083 MA130-8 Sat 9:00am - 11:45am 14-week

## MDA 222 – Introduction to Federal Healthcare Programs and Laws (3)

3359 MDA222-HYB1 Sat 9:00am - 11:30am 2nd 7-week-S





# 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: online courses and hybrid courses. Hybrid courses require the student to attend class sessions on campus; online courses do not.

Online courses are taught entirely over the Internet. The student typically accesses a course website to participate in discussions, find assignments, and access other materials for the course. A textbook is usually required. Communication with the instructor is mostly through the Blackboard Learning management System (LMS) by e-mail and/or telephone. Varying from course to course, tests and exams are online but at least one is proctored in the FCC Testing Center or in another accredited facility.

Hybrid courses are Internet courses with a number of mandatory class sessions on campus. The student typically accesses a course website to find assignments and other materials for the course. The student goes to regular class sessions on campus to participate in discussions or labs, for example. A textbook is usually required. Communication with the instructor includes e-mail. Varying from course to course, tests and exams are both online and on campus.

## **Both online and hybrid courses are taught on Blackboard™ and require that the student:**

- Have internet access through broadband connection or Wi-Fi (wireless)
- have access to a Windows, Mac, or Linux computer
- Windows 7 or higher, Mac OS X or Linux with Ubuntu 14 or higher
- Internet Explorer 8 or higher or the most recent versions 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;
- be 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.

To register for an online course, follow these steps:

1. You may register for the course online or in person at the FCC Welcome Center (see page 2 for instructions).
2. You **MUST** contact your instructor before the start of the course. Prior to the beginning of the semester go to <http://courses.frederick.edu> and send your instructor the Honor Code Pledge.
3. Go to <http://courses.frederick.edu>:
  - From the "Course List" select your course to view the syllabus
  - From "Taking an Online Course" select the Self-Assessment Test for an inventory of your readiness for online learning
  - From "Taking an Online Course" select "Time Management 101" to confirm that you have enough time in your schedule to complete the course successfully.

**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.

**Orientation:** If this is your first time enrolling in an online or hybrid course, it is strongly advised that you attend an orientation on January 21st at 7:00 p.m. in room E126. No registration necessary. Learn about the special demands of online learning, meet with faculty, and preview an actual online course.

**Email Advising ([emailadvising@frederick.edu](mailto:emailadvising@frederick.edu)):** If you are unable to come on campus for advising services, Email Advising is available to all current FCC students using their [myfcc.frederick.edu](mailto: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 Courses

## ACCT: Accounting

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### Principles of Accounting I 3178 ACCT101-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Principles of Accounting II 3185 ACCT102-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Intermediate Accounting/ Accounting I 3189 ACCT201-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

## ACE: Academic & Career Engagement

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### Career Planning & Assessment 4406 ACE111A-ONL1 1st 7-week

Instructor: TBA

## AN: Anthropology

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### Intro to Anthropology 3549 AN101-ONL1 15-week

Instructor: TBA

### Introduction to Archaeology 3551 AN103-ONL1 15-week

Instructor: TBA

## AR: Art

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### Intro to Creative Arts 3965 AR100-ONL1 15-week

Instructor: Ivy Chevers, [ichevers@frederick.edu](mailto:ichevers@frederick.edu)

### Survey of Art I 3975 AR104-ONL1 15-week

Instructor: Mary Scire, [mcsire@frederick.edu](mailto:mcsire@frederick.edu)

### Survey of Art II 3977 AR105-ONL1 15-week

Instructor: Robert Rock, [rrock@frederick.edu](mailto:rrock@frederick.edu)

## ASLS: American Sign Language Studies

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### Intro to Deaf Community 4029 ASLS106-ONL1 15-week

Instructor: Paul Fitzpatrick, [pfitzpatrick@frederick.edu](mailto:pfitzpatrick@frederick.edu)

### Introduction to Deaf History 4031 ASLS107-ONL1 15-week

Instructor: TBA

## BI: Biological Science

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### Forensic Biology 4380 BI130-ONL1 15-week

Instructor: Judy Staveley, [jstaveley@frederick.edu](mailto:jstaveley@frederick.edu)

### Biotechnology and Society 3460 BI140-ONL1 Mt. Airy/15-week

Instructor: Michael Matthews, [mmatthews@frederick.edu](mailto:mmatthews@frederick.edu)

• Students will need to print lecture notes and exams.

### Bioprocessing Environment 4274 BPM102-ONL1 Mt. Airy/15-week

Instructor: Michael Matthews, [mmatthews@frederick.edu](mailto:mmatthews@frederick.edu)

## BLD: Building Trades

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### Intro to Building Trades 3119 BLD101-ONL1 15-week

Instructor: Michael Herod

## BU: Business Studies

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### Introduction to Business 3202 BU103-ONL1 15-week

Instructor: TBA

• List w/BU & online classes  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### 4317 BU103-ONL2 1st 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Business Mathematics 3203 BU107-ONL1 15-week

Instructor: TBA

• Offered spring semester only.  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Personal Financial Management 3206 BU110-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Business Law I 3208 BU211-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Marketing 3211 BU225-ONL1 15-week

Instructor: TBA

• Offered spring semester day only; Fall semester evening only.  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Principles of Management 3213 BU227-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Business Communications 3218 BU273-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Customer Relations 3220 BU274-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Fundamentals of Leadership 3221 BU275-ONL1 15-week

Instructor: TBA

• Offered spring semester only.  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Global Awareness in the Work Environment 3223 BU281-ONL1 15-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

## CH: Chemistry

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### General Chemistry 3493 CH101-ONL1 15-week

Instructor: Elena Wood, [elwood@frederick.edu](mailto:elwood@frederick.edu)

• This 4-credit course includes an online laboratory. CD-Rom drive.

### General Chemistry 3501 CH102-HYBLc 15-week

Instructor: Debra Ellis, [dellis@frederick.edu](mailto:dellis@frederick.edu)

• Students registering for CH102-HYBLc must register for CH102-HY-Blb.

## CIS: Computer & Information Sciences

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### Information Systems and Technology

3253 CIS101-ONL1 15-week  
Instructor: TBA

• Windows 8, Office 2013, CD-ROM drive, Shockwave and/or use the student computer lab for assignments. Google Chrome is the recommended browser.

### 3254 CIS101-ONL2 15-week

Instructor: TBA

• Windows 8, Office 2013, CD-ROM drive, Shockwave and/or use the student computer lab for assignments. Google Chrome is the recommended browser.

### 3255 CIS101-ONL3 13-week

Instructor: TBA

• Windows 8, Office 2013, CD-ROM drive, Shockwave and/or use the student computer lab for assignments. Google Chrome is the recommended browser.

### 3256 CIS101-ONL4 10-week

Instructor: TBA

• Windows 8, Office 2013, CD-ROM drive, Shockwave and/or use the student computer lab for assignments. Google Chrome is the recommended browser.

### 3257 CIS101-ONL5 2nd 7-week

Instructor: TBA

• Windows 8, Office 2013, CD-ROM drive, Shockwave and/or use the student computer lab for assignments. Google Chrome is the recommended browser.

### MS Applications: Spreadsheets (Excel 2013)

#### 3272 CIS111E-ONL1 13-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments

### PC Operating Systems Concepts

#### 3277 CIS111M-ONL1LK 2nd 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Business Software Applications

#### 3278 CIS111R-ONL1 10-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### MS Applications: Presentation Graphics

#### 3279 CIS116C-ONL1 2nd 5-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### MS Applications: Spreadsheets

#### 3282 CIS116E-ONL1 3rd 5-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Computer Fundamentals

#### 4464 CIS116F-ONL1 3rd 5-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Security Fundamentals

#### 4324 CIS170-ONL1 2nd 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Healthcare Information Technology

#### 3286 CIS173-ONL1 2nd 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Networking Fundamentals

#### 4325 CIS180-ONL1 1st 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Cisco 3 Switching Technologies

#### 3293 CIS192-ONL1 1st 7-week

Instructor: TBA

• Certification or equivalent experience is recommended for students interested in this class.  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Cisco 4 WAN Technologies

#### 3294 CIS193-ONL1 2nd 7-week

Instructor: TBA

• Certification or equivalent experience is recommended for students interested in this class.  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Computer & Info Sciences Project

#### 3300 CIS204-ONL1 10-week

Instructor: TBA

• Occasional on-campus meetings; Limited enrollment.  
• Independent Study, contact the instructor

### PC Repair & Diagnostics

#### 3305 CIS212-ONL1LK 1st 7-week

Instructor: TBA

• Take w/CIS111M  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Information Security & Assurance

#### 4330 CIS218-ONL1 2nd 8-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

## CJ: Criminal Justice

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### Intro to Criminal Justice

#### 3555 CJ101-ONL1 13-week

Instructor: TBA

### Criminal Law

#### 3559 CJ110-ONL1 15-week

Instructor: TBA

## CMM: Digital Media

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### Intro to Electronic Media on the Internet

#### 4037 CMM101-ONL1 15-week

Instructor: Rhonda Fulton, rhfulton@frederick.edu

### Intro to Electronic Media Net

#### 4038 CMM101-ONL2 2nd 8-week

Instructor: Rhonda Fulton, rhfulton@frederick.edu

### Introduction to Film

#### 4042 CMM103-ONL1 15-week

Instructor: Richard Fulton, rfulton@frederick.edu

## CMSP: Communications Speech

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### Speech Fundamentals

#### 4087 CMSP103-ONL1 15-week

Instructor: TBA

• Mandatory on-campus meetings Saturdays, 9:00am - 1:00pm

### Career Communication

#### 4110 CMSP107-ONL1 15-week

Instructor: TBA

• Mandatory on-campus meeting Saturday, March 12, 9:00am - 1:00pm, Inclement weather make-up day March 19, 9:00am-1:00pm

## CON: Construction Management

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### Introduction to Construction Management

#### 3317 CON101-ONL1 15-week

Instructor: TBA

• Proctored exams in FCC Testing Center. List w/CON & online classes  
• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.



# Online Courses

## EC: Economics

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### Principles of Economics - Macro

3329 EC201-ONL1 15-week  
Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### 4333 EC201-ONL2 1st 7-week

Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

### Principles of Economics - Micro

3335 EC202-ONL1 15-week  
Instructor: TBA

• Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

## ECD: Early Childhood Development

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### Intro Early Child Education

3566 ECD101-ONL1 15-week  
Instructor: Nikki Darling-Kuria, ndkuria@frederick.edu

### 4351 ECD107-ONL1 15-week

Instructor: TBA

### 4352 ECD230-ONL1 1st 8-week

Instructor: TBA

### 4470 ED/PS208-ONL4 2nd 8-week

Instructor: TBA

## ED: Education

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### Child Development & Behavior

4350 ED100-ONL1 15-week  
Instructor: TBA

### Schools and Society

3579 ED102-ONL1 15-week  
Instructor: TBA

• Mandatory in-person session held Saturday, April 16, 1-4pm, Location TBA

### Educational Psychology

3582 ED202-ONL1 15-week  
Instructor: TBA

### Foundations Special Educ

3584 ED203-ONL1 15-week  
Instructor: Christine Spilker, cspilker@frederick.edu

### Human Growth & Development

3595 ED/PS208-ONL1 15-week  
Instructor: Alexa Kauffman, akauffman@frederick.edu

### 3596 ED/PS208-ONL2 15-week

Instructor: TBA

### 3598 ED/PS208-ONL3 2nd 8-week

Instructor: Jessica Young, jyoung@frederick.edu

### 4470 ED/PS208-ONL4 2nd 8-week

Instructor: TBA

### Processes and Acquisition of Reading

3587 ED214-ONL1 15-week  
Instructor: Cathy Spence, cspence@frederick.edu

## EM: Emergency Management

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### Integrated Emergency Management

4394 EM130-ONL1 1st 8-week  
Instructor: Kevin Sligh, ksligh@frederick.edu

### Research and Technology in Emergency Management

4395 EM201-ONL1 1st 8-week

Instructor: Gregory Tine, gtine@frederick.edu

### Emergency Management Leadership

4397 EM205-ONL1 2nd 8-week  
Instructor: Gregory Tine, gtine@frederick.edu

## EN: English & Literature

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### English Composition

3887 EN101-ONL1 15-week  
Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### 3888 EN101-ONL2 15-week

Instructor: TBA

On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### 3889 EN101-ONL3 15-week

Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### 3890 EN101-ONL4 1st 8-week

Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### 3891 EN101-ONL5 2nd 8-week

Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### English Composition & Literature

3930 EN102-ONL1 15-week  
Instructor: TBA

### 3931 EN102-ONL2 15-week

Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### Technical Writing

3934 EN115-ONL1 15-week  
Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

### The Short Story

3943 EN216-ONL1 15-week  
Instructor: TBA

• On-campus requirements: Proctored writing and/or exams in FCC Testing Center.

## ESL: English as a Second Language

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### Grammar II for ESL

3950 ESL95-ONL1 15-week  
Instructor: TBA

## GG: Geography

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### Elements of Geography

3601 GG101-ONL1 15-week  
Instructor: TBA

### Cultural Geography

3604 GG102-ONL1 15-week  
Instructor: TBA

## HE: Health Education

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### Nutrition in a Changing World

3726 HE102-ONL1 15-week  
Instructor: Danielle Stoffer, dstoffer@frederick.edu

### 3727 HE102-ONL2 15-week

Instructor: TBA

### 3728 HE102-ONL3 1st 8-week

Instructor: Dan Fenyvesi, dfenyvesi@frederick.edu

### 3729 HE102-ONL4 2nd 8-week

Instructor: Dan Fenyvesi, dfenyvesi@frederick.edu

### Nutrition Basics

3732 HE110-ONL1 2nd 7-week  
Instructor: TBA

### Stress Management

3741 HE201-ONL1 15-week  
Instructor: Peg Paisley, ppaisley@frederick.edu

### 3742 HE201-ONL2 15-week

Instructor: Melissa Bard, mbard@frederick.edu

### Health Education

3748 HE204-ONL1 15-week  
Instructor: Darlene Overholtzer, doverholtzer@frederick.edu



## HI: History

**Hist of Western Civilization**  
**3613 HI102-ONL1 15-week**  
 Instructor: TBA

**History of United States**  
**3617 HI201-ONL1 15-week**  
 Instructor: TBA

**3618 HI201-ONL2 15-week**  
 Instructor: TBA

**3623 HI202-ONL1 15-week**  
 Instructor: TBA

## HOS: Culinary Arts & Hospitality

**Sanitation and Food Safety**  
**4424 HOS121-ONL1 1st 5-week**  
 Instructor: TBA

- Successful completion of the course can lead to certification as a "Safe Food Handler" by the National Restaurant Association.
- Windows; Android; Nook; Kindle; iOS; IE; Firefox; Safari; or Chrome; and Flash; Multimedia (speakers/headphones); and a broadband connection (2Mbps or higher).

**4425 HOS121-ONL2 2nd 5-week**  
 Instructor: TBA

- Successful completion of the course can lead to certification as a "Safe Food Handler" by the National Restaurant Association.
- Windows; Android; Nook; Kindle; iOS; IE; Firefox; Safari; or Chrome; and Flash; Multimedia (speakers/headphones); and a broadband connection (2Mbps or higher).

## HS: Human Services

**Human Relations**  
**3636 HS102-ONL1 15-week**  
 Instructor: TBA

## ID: Interdisciplinary Studies

**Ethnic Diversity**  
**3646 ID209-ONL1 15-week**  
 Instructor: TBA

**Introduction to Gerontology**  
**3647 ID214-ONL1 15-week**  
 Instructor: TBA

**Disaster, Crisis and Emergency Management**  
**4400 ID225-ONL1 1st 8-week**  
 Instructor: James McAuliffe, jmcuiff@frederick.edu

**Global Scholar Experience**  
**4407 ID250-ONL1 15-week**  
 Instructor: Christine Rai, crai@frederick.edu

## LA: Paralegal

**Torts**  
**3651 LA105-ONL1 15-week**  
 Instructor: TBA

## LF/LS: World Languages

**Introductory French I**  
**4115 LF101-ONL1 15-week**  
 Instructor: Leonardo DeValoes, ldevaloes@frederick.edu

**Introductory Spanish I**  
**4131 LS101-ONL1 15-week**  
 Instructor: Laura Cordova, lcordova@frederick.edu

**Introductory Spanish II**  
**4135 LS102-ONL1 15-week**  
 Instructor: Laura Cordova, lcordova@frederick.edu

## MA: Mathematics

**+Foundations of Mathematics**  
**3064 MA103-ONL1 15-week**  
 Instructor: TBA  
 • Classroom instruction supports TI83/TI84 calculators.

**Foundations of Mathematics**  
**3065 MA103-ONL2 15-week**  
 Instructor: TBA

**+Precalculus**  
**3077 MA111-ONL1 15-week**  
 Instructor: TBA

**+Elementary Statistics**  
**3099 MA206-ONL1 15-week**  
 Instructor: TBA  
 • Classroom instruction supports TI83/TI84 calculators.

**3100 MA206-ONL2 15-week**  
 Instructor: TBA  
 • A Multimedia computer running Windows 95/98/NT or Mac 7.5.TI-83/TI83+ calculator is required. This course requires some on-campus sessions.

**Calculus I**  
**3108 MA210-ONL1 15-week**  
 Instructor: TBA  
 • A Multimedia computer running Windows 95/98/NT or Mac 7.5.TI-83/TI83+ calculator is required. This course requires some on-campus sessions.

**Calculus II**  
**4468 MA211-ONL1 15-week**  
 Instructor: Josiah Hartley, jhartley@frederick.edu

## MDA: Medical Assistant

**Medical Terminology**  
**3347 MDA109-ONL1 15-week**  
 Instructor: TBA  
 • Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

**Pharmacology for Medical Office**  
**3349 MDA110-ONL1 2nd 7-week**  
 Instructor: TBA  
 • Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

**Medical Administrative Office Applications**  
**3351 MDA112-ONL1 2nd 7-week**  
 Instructor: TBA  
 • Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

**Electronic Health Records (E.H.R)**  
**3357 MDA220-ONL1 1st 7-week**  
 Instructor: TBA  
 • Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

**3358 MDA220-ONL2 2nd 7-week**  
 Instructor: TBA  
 • Office 2013, Windows 8, CD-ROM drive, Flash, and/or use the student computer lab for assignments.

## MU: Music

**Introduction to Music History and Appreciation**  
**4140 MU101-ONL1 15-week**  
 Instructor: Jan Holly, jholly@frederick.edu

**Fundamentals of Music**  
**4144 MU103-ONL1 15-week**  
 Instructor: Laura Armstrong, larmstrong@frederick.edu

**Survey of World Music**  
**4148 MU108-ONL1 15-week**  
 Instructor: Jan Holly, jholly@frederick.edu

**History of American Popular Music**  
**4150 MU109-ONL1 15-week**  
 Instructor: Jan Holly, jholly@frederick.edu

**Publishing, Licensing & Copywriting**  
**4344 MU145-ONL1 15-week**  
 Instructor: Jonathan Cresci, jcresci@frederick.edu

## PC: Physical Science

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**Elements of Physical Science**  
3514 PC103-ONL1 15-week

Instructor: Kelly Ellis, kellis@frederick.edu

**Water Planet: Intro Oceanography**  
3516 PC104-ONL1 15-week

Instructor: Kelly Esslinger, kesslinger@frederick.edu

• On-Campus Requirements: Proctored exams in the Testing Center

**Introduction to Meteorology**  
3518 PC106-ONL1 15-week

Instructor: Richard Gottfried, rgottfried@frederick.edu

• CD-ROM drive.

**Introductory Astronomy**  
3523 PC107-ONL1 15-week

Instructor: Scott Atkins, satkins@frederick.edu

**Historical Geology**  
3528 PC108-ONL1 15-week

Instructor: Richard Gottfried, rgottfried@frederick.edu

• Several mandatory all day field trips on selected Saturdays.

• CD-ROM drive, Other requirements: A field trip may be required.

**Introduction to Geoscience**  
3533 PC115-ONL1 15-week

Instructor: Natasha Cleveland, ncleveland@frederick.edu

• Software capable of playing videos and animations (ex: Flash, QuickTime, Windows Media Player, etc.).

## PE: Physical Education

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**Psychology of Exercise**  
3791 PE237-ONL1 2nd 7-week

Instructor: Darlene Overholtzer, doverholtzer@frederick.edu

## PH: Philosophy

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**Introduction to Philosophy**  
4218 PH101-ONL1 1st 8-week

Instructor: TBA

**World Religions**  
4221 PH204-ONL1 15-week

Instructor: Raymond Moreland, rmoreland@frederick.edu

**Logic**  
4224 PH206-ONL1 15-week

Instructor: David Wren, dwren@frederick.edu

**Biomedical Ethics**  
4225 PH207-ONL1 15-week

Instructor: Amy Cedrone, acedrone@frederick.edu

**Business Ethics**  
4227 PH208-ONL1 15-week

Instructor: David Wren, dwren@frederick.edu

## PI: Political Science

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**American Govt: National**  
3659 PI104-ONL1 15-week

Instructor: TBA

## PS: Psychology

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**General Psychology**  
3679 PS101-ONL1 15-week

Instructor: TBA

3680 PS101-ONL2 15-week

Instructor: TBA

3681 PS101-ONL3 13-week

Instructor: TBA

4348 PS101-ONL4 2nd 8-week

Instructor: TBA

**Issues of Drug/Alcohol Use**  
3685 PS104-ONL1 15-week

Instructor: TBA

**Social Psychology**  
3689 PS202-ONL1 15-week

Instructor: TBA

**Psychology of Aging**  
3693 PS205-ONL1 15-week

Instructor: TBA

**Abnormal Psychology**  
3696 PS206-ONL1 15-week

Instructor: TBA

## SO: Sociology

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**Introduction to Sociology**  
3711 S0101-ONL1 15-week

Instructor: Corwin Parker, cparker@frederick.edu

3712 S0101-ONL2 15-week

Instructor: TBA

**Social Problems**  
3715 S0102-ONL1 15-week

Instructor: TBA

**Criminology**  
3718 S0201-ONL1 13-week

Instructor: TBA

# Hybrid Courses

## ACCT: Accounting

ACCT 100 Business Accounting (3)  
3169 ACCT100-HYB1 1st 7-week-S S 8:30am-12:00pm

ACCT 101 Principles of Accounting I (3)  
3177 ACCT101-HYB1 1st 7-week T 6:00pm-8:35pm

ACCT 102 Principles of Accounting II (3)  
3184 ACCT102-HYB1 2nd 7-week T 6:00pm-8:35pm

ACCT 111 Computerized Accounting (3)  
3187 ACCT111-HYB1 2nd 7-week-S S 9:00am-12:00pm  
Note: Meets the first Saturday 03/26 and last Saturday 05/14 of the 2nd 7-week Saturday session. Students advised to purchase book & s/w from FCC Bookstore.

ACCT 111 Computerized Accounting (3)  
3186 ACCT111-HYB2 15-week W 7:45pm-9:15pm  
Note: Students advised to purchase book & s/w from FCC Bookstore.

ACCT 202 Intermediate Accounting II (4)  
3190 ACCT202-HYB1 15-week M 5:00pm-7:05pm

ACCT 214 Auditing (3)  
3193 ACCT214-HYB1 15-week Th 5:00pm-7:35pm  
Note: Class meets every other week starting week 1

## BI: Biological Science

BI 100 Fundamental Concepts of Biology (4)  
3381/3382 BI100-HYBLc/HYBLb 15-week W 6:00pm-8:30pm

BI 220 Cell Biology and Tissue Culture (4)  
4280/4281 BI220-MAHYBLc/MAHYBLb Mt. Airy/15-week Th 10:30am-1:15pm

## BLD: Building Trades

BLD 101 Introduction to Building Trades (3)  
3118 BLD101-HYB1 15-week W 6:00pm-8:30pm

BLD 109 Fundamentals of HVACR (4)  
3121 BLD109-HYB1 1st 7-week MW 6:00pm-9:00pm

BLD 109 Fundamentals of HVACR (4)  
4303 BLD109-HYB2 2nd 7-week TTh 6:00pm-9:00pm

BLD 110 Controls for HVACR (4)  
3122 BLD110-HYB1 2nd 7-week MW 6:00pm-9:00pm

BLD 113 Air Conditioning and Heat Pumps (4)  
3123 BLD113-HYB1 1st 7-week TTh 6:00pm-9:00pm

BLD 121 Introduction to Welding (4)  
3129 BLD121-HYB1 1st 7-week MW 5:00pm-9:00pm

BLD 121 Introduction to Welding (4)  
4304 BLD121-HYB2 2nd 7-week TTh 5:00pm-9:00pm

BLD 122 Advanced Welding: SMAW (4)  
3132 BLD122-HYB1 2nd 7-week MW 5:00pm-9:00pm

BLD 128 Advanced Welding: SMAW 4G (4)  
3136 BLD128-HYB1 1st 7-week TTh 5:00pm-9:00pm

BLD 141 Electrical Theory & Fundamentals (4)  
4307 BLD141-HYB1 1st 7-week MW 9:00am-12:00pm

BLD 141 Electrical Theory & Fundamentals (4)  
4308 BLD141-HYB2 2nd 7-week MW 6:00pm - 9:00pm

BLD 141 Electrical Theory & Fundamentals (4)  
3140 BLD141-HYB3 1st 7-week TTh 6:00pm - 9:00pm

BLD 142 Electrical Code & Application (4)  
4309 BLD142-HYB1 2nd 7-week MW 9:00am - 12:00pm

BLD 142 Electrical Code & Application (4)  
3142 BLD142-HYB2 2nd 7-week TTh 6:00pm - 9:00pm

BLD 145 Commercial Electrical Application (4)  
3144 BLD145-HYB1 1st 7-week MW 6:00pm - 9:00pm

## BPM: Bioprocessing

BPM 110 Bioprocessing Measurements (4)  
4276/4277 BPM110-MAHYBLc/MAHYBLb Mt. Airy/2nd 7 MW 6:00pm-8:50pm

BPM 214 Techniques in Bioproduction (4)  
4278/4279 BPM214-MAHYBLc/MAHYBLb Mt. Airy/15-week T 10:30am-1:15pm

## BU: Business Studies

BU 103 Introduction to Business (3)  
3200 BU103-HYB1 1st 7-week T 6:00pm-8:35pm

BU 103 Introduction to Business (3)  
3201 BU103-HYB2 2nd 7-week T 6:00pm-8:35pm

BU 109 Entrepreneurship & Small Business Enterprise (3)  
3205 BU109-HYB1 1st 7-week M 6:00pm-8:35pm

BU 109 Entrepreneurship & Small Business Enterprise (3)  
4334 BU109-HYB2 2nd 7-week M 6:00pm-8:35pm

BU 211 Business Law I (3)  
4318 BU211-HYB1 1st 7-week Th 6:00pm-8:35pm

BU 227 Principles of Management (3)  
4319 BU227-HYB1 2nd 7-week Th 6:00pm-8:35pm

BU 272 Supervisory Management (3)  
3215 BU272-HYB1 2nd 7-week W 6:00pm-8:35pm

BU 273 Business Communications (3)  
3217 BU273-HYB1 1st 7-week T 6:00pm-8:35pm

# Hybrid Courses

## CAD: Computer Aided Design

CAD 130 Introduction to Revit (BIM) (3)  
3228 CAD130-HYB1 1st 7-week Th 5:00pm-7:35pm

CAD 204 Introduction to Inventor (3)  
3230 CAD204-HYB1 2nd 7-week Th 5:00pm-7:35pm

## CH: Chemistry

CH 101 General Chemistry (4)  
3491/3492 CH101-HYBLc/ HYBLb 15-week M 5:00pm-7:35pm

CH 102 General Chemistry (4)  
3501/3502 CH102-HYBLc/ HYBLb 15-week W 5:00pm-7:30pm

## CIS: Computer & Information Sciences

CIS 101 Information Systems and Technology (3)  
3249 CIS101-HYB1 10-week F 10:00am-12:00pm

CIS 101 Information Systems and Technology (3)  
3250 CIS101-HYB2 13-week F 12:30pm-2:00pm

CIS 101 Information Systems and Technology (3)  
3251 CIS101-HYB3 13-week T 7:45pm-9:15pm

CIS 101 Information Systems and Technology (3)  
3252 CIS101-HYB4 2nd 8-week Th 7:45pm-9:15pm

CIS 106 Object Design and Programming (3)  
3266 CIS106-HYB1 15-week W 5:00pm-7:00pm

CIS 106 Object Design and Programming (3)  
3267 CIS106-HYB2 10-week Th 6:45pm-9:15pm

CIS 111B Microcomputer Software Applications: Database (3)  
3268 CIS111B-HYB1 2nd 8-week W 12:00pm-2:00pm

CIS 111E Microcomputer Software Applications: Spreadsheets (3)  
3270 CIS111E-HYB1 10-week M 7:45pm-9:15pm

CIS 111E Microcomputer Software Applications: Spreadsheets (3)  
3271 CIS111E-HYB2 2nd 8-week Th 7:45pm-9:15pm

CIS 111L UNIX/Linux Operating System (3)  
3273 CIS111L-HYB1 15-week W 5:00pm-6:15pm

CIS 111M PC Operating Systems (3)  
3274 CIS111M-HYB1LK 15-week M 2:30pm-3:45pm

CIS 111M PC Operating Systems (3)  
3275 CIS111M-HYB2LK 15-week T 6:30pm-7:45pm

CIS 111M PC Operating Systems (3)  
3276 CIS111M-HYB3LK 13-week W 5:00pm-6:30pm

CIS 111M PC Operating Systems (3)  
4322 CIS111M-HYB4LK 13-week Th 3:30pm-5:00pm

CIS 116F Computer Fundamentals  
4463 CIS116F-HYB1 2nd 5-week Th 5:00pm-6:30pm

CIS 140 Java Programming (3)  
3283 CIS140-HYB1 13-week W 7:15pm-9:15pm

CIS 170 Security Fundamentals (3)  
3284 CIS170-HYB1 2nd 8-week W 9:30am-11:45am

CIS 170 Security Fundamentals (3)  
3285 CIS170-HYB2 2nd 8-week T 6:00pm-8:15pm

CIS 175 Game Theory and Design (3)  
4434 CIS175-HYB1 10-week T 5:00pm-7:00pm

CIS 176 Game Creation (3)  
4435 CIS176-HYB1 10-week T 7:15pm-9:15pm

CIS 177 Interactive 3D Technology (3)  
4436 CIS177-HYB1 1st 7-week Th 6:00pm-8:15pm

CIS 178 3D Modeling and Animation (3)  
4437 CIS178-HYB1 2nd 8-week Th 6:00pm-8:15pm

CIS 179 Cybersecurity Fundamentals (3)  
3287 CIS179-HYB1 1st 7-week W 12:00pm-2:00pm

CIS 179 Cybersecurity Fundamentals (3)  
3288 CIS179-HYB2 15-week M 5:00pm-6:15pm

CIS 180 Networking Fundamentals (3)  
3289 CIS180-HYB1 1st 7-week W 9:30am-11:45am

CIS 180 Networking Fundamentals (3)  
3290 CIS180-HYB2 1st 7-week T 6:00pm-8:30pm

CIS 190 Cisco 1 Networking Fundamentals (3)  
3291 CIS190-HYB1 1st 7-week M 6:30pm-9:00pm

CIS 191 Cisco 2 Routing Technologies (3)  
3292 CIS191-HYB1 2nd 8-week M 6:30pm-8:45pm

CIS 201 Computer Science I (4)  
3295 CIS201-HYB1 15-week TTh 9:30am-10:45am

CIS 201 Computer Science I (4)  
3296 CIS201-HYB2 13-week W 5:00pm-7:00pm

CIS 202 Computer Science II (4)  
3297 CIS202-HYB1 13-week M 7:15pm-9:30pm

CIS 203 Systems Analysis & Design (3)  
3298 CIS203-HYB1 15-week W 2:00pm-3:15pm



# Hybrid Courses

CIS 203 Systems Analysis & Design (3)					
3299	CIS203-HYB2	10-week	W	5:00pm-6:15pm	
CIS 208 C++ Programming (3)					
4326	CIS208-HYB1	10-week	T	6:30pm-9:00pm	
CIS 210 LAN Design & Management					
4327	CIS210-HYB1	2nd 8-week	M	6:45pm-8:45pm	
CIS 212 PC Repair & Diagnostics (3)					
3302	CIS212-HYB1LK	15-week	M	3:45pm-5:00pm	
CIS 212 PC Repair & Diagnostics (3)					
3303	CIS212-HYB2LK	15-week	T	7:45pm-9:00pm	
CIS 212 PC Repair & Diagnostics (3)					
3304	CIS212-HYB3LK	13-week	W	6:30pm-8:00pm	
CIS 212 PC Repair & Diagnostics (3)					
4328	CIS212-HYB4LK	13-week	Th	5:00pm-6:30pm	
CIS 217 Cybercrime and Digital Forensics Investigation (3)					
3306	CIS217-HYB1	1st 7-week	M	6:30pm-9:00pm	
CIS 217 Cybercrime and Digital Forensics Investigation (3)					
3307	CIS217-HYB2	2nd 8-week	Th	6:30pm-8:45pm	
CIS 218 Information Security & Assurance (3)					
3308	CIS218-HYB1	1st 7-week	Th	6:30pm-9:00pm	
CIS 218 Information Security & Assurance (3)					
4329	CIS218-HYB2	2nd 8-week	M	6:30pm-8:45pm	
CIS 219 Ethical Hacking and Systems Defense (3)					
3309	CIS219-HYB1	1st 7-week	W	6:30pm-9:00pm	
CIS 219 Ethical Hacking and Systems Defense (3)					
3310	CIS219-HYB2	2nd 8-week	W	6:30pm-8:45pm	
CIS 222 Computer Organization (4)					
3311	CIS222-HYB1	10-week	W	7:15pm-8:30pm	
CIS 223 Cloud Security (3)					
3312	CIS223-HYB1	1st 7-week	W	6:30pm-9:00pm	
CIS 223 Cloud Security (3)					
4331	CIS223-HYB2	2nd 8-week	W	6:30pm-8:45pm	
CIS 225C Mobile Applet Programming (3)					
3313	CIS225C-HYB1	13-week	M	5:00pm-7:00pm	
CIS 226 Game Scripting (3)					
3314	CIS226-HYB1	10-week	T	5:00pm-6:15pm	
CIS 227 Game Programming (3)					
3315	CIS227-HYB1	13-week	M	5:00pm-7:30pm	

CIS 230 Database Management Systems (3)  
4332 CIS230-HYB1 10-week T 7:45pm-9:15pm

## CMSP: Communications Speech

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CMSP 105 Group Discussion (3)  
4106 CMSP105-HYB1 15-week F 11:00am-2:00pm

## EC: Economics

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EC 201 Principles of Economics (3)  
3327 EC201-HYB1 1st 7-week-5 Sat 9:00am-11:35am

EC 201 Principles of Economics (3)  
3328 EC201-HYB2 2nd 7-week M 5:00pm-7:35pm

EC 201 Principles of Economics (3)  
3326 EC201-HYB3 1st 7-week W 5:00pm-7:35pm

EC 202 Principles of Economics (3)  
3332 EC202-HYB1 2nd 7-week W 5:00pm-7:35pm

EC 202 Principles of Economics (3)  
3334 EC202-HYB2 2nd 7-week-5 Sat 9:00am-11:35am

ECD 104 Activities I for Children (3)  
3569 ECD104-HYB1 2nd 7-week M 6:00pm-8:30pm

ECD 108 Activities for the School-Age Child (3)  
4353 ECD108-HYB1 1st 7-week M 6:00pm-8:30pm

ECD 212 Administration of Child Development Centers (3)  
3572 ECD212-HYB1 2nd 7-week-5 Sat 9:00am-1:15pm

ECD 213 Understanding and Guiding the  
Young Child's Behavior (3)  
3573 ECD213-HYB1 1st 7-week-5 Sat 9:00am-1:15pm

## HOS: Culinary Arts & Hospitality

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HOS 110 Introduction to Hospitality Management (3)  
4416 HOS110-HYB1M 1st 8-week T 6:00pm-8:35pm

HOS 123 Purchasing & Cost Control (3)  
4426 HOS123-HYB1M 2nd 7-week W 6:00pm-8:35pm

HOS 215 Catering and Event Management (3)  
4428 HOS215-HYB1M 1st 7-week Th 6:00pm-8:35pm

HOS 216 Food and Beverage Operations (3)  
4429 HOS216-HYB1M 2nd 7-week Th 6:00pm-8:35pm

HOS 218 Hospitality Information Systems (3)  
4430 HOS218-HYB1M 1st 7-week M 6:00pm-8:35pm

# Hybrid Courses

HOS 219 Foundations of Lodging Management (3)  
4431 HOS219-HYB1M 2nd 7-week M 6:00pm-8:35pm

## HOS: Culinary Arts & Hospitality

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HS 204 Ethics and Practice Issues in the Human Services (1)  
3640 HS204-HYB1 15-week F 1:30pm-3:30pm

## LA: Paralegal

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LA 100 Introduction to Law (3)  
3649 LA100-HYB1 15-week M 12:30pm-1:45pm

LA 105 Torts (3)  
3650 LA105-HYB1 15-week W 12:30pm-1:45pm

Legal Writing & Documents  
3653 LA120-HYB1 15-week M 6:00pm - 8:30pm

LA 220 Evidence & Procedure (Civil) (3)  
3654 LA220-HYB1 1st 7-week-S Sat 9:00am-1:15pm

LA 240 Family Law (3)  
3655 LA240-HYB1 15-week W 6:00pm-8:30pm

## MA: Mathematics

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MA 81 Introductory Algebra (0) [4]  
3029 MA81-HYB1 15-week T 1:00pm-2:40pm

MA 82 Intermediate Algebra (0) [4]  
3049 MA82-HYB1 15-week Th 1:00pm-2:40pm

MA 207 Elementary Statistics with Probability (4)  
3103 MA207-HYB1 15-week M 5:00pm-6:40pm

MA 214 Introduction to MatLab (3)  
3116 MA214-HYB1 1st 5-week T 9:30am-10:15am

## MDA: Medical Assistant

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MDA 108 Basic Medical Terminology (1)  
3339 MDA108-HYB1 1st 7-week T 2:00pm-3:15pm

MDA 108 Basic Medical Terminology (1)  
3341 MDA108-HYB2M 1st 7-week W 6:00pm-7:15pm

MDA 108 Basic Medical Terminology (1)  
3342 MDA108-HYB3M 2nd 7-week W 6:00pm-7:15pm

MDA 109 Medical Terminology (3)  
3343 MDA109-HYB1 15-week Th 9:30am-10:45am

MDA 109 Medical Terminology (3)  
3344 MDA109-HYB2 15-week Th 3:30pm-4:45pm

MDA 109 Medical Terminology (3)  
3345 MDA109-HYB3 1st 7-week M 6:00pm-8:35pm

MDA 110 Pharmacology for Medical Office Practice (3)  
3348 MDA110-HYB1 15-week T 11:00am-12:15pm

MDA 112 Medical/Administrative Office Applications (3)  
3350 MDA112-HYB1 1st 7-week W 6:00pm-8:35pm

MDA 216 Medical Coding Basics (3)  
3355 MDA216-HYB1 1st 7-week T 6:00pm-8:35pm

MDA 218 Health Insurance Billing and Reimbursement (3)  
3356 MDA218-HYB1 2nd 7-week T 6:00pm-8:35pm

MDA 222 Intro. to Federal Healthcare Programs and Laws (3)  
3359 MDA222-HYB1 2nd 7-week-S Sat 9:00am-11:30am

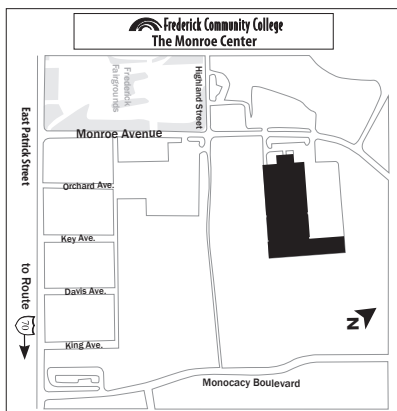
## PE: Physical Education

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PE 188 Yoga (3)  
3776 PE188-HYB1 2nd 7-week T 6:00pm-8:35pm



- Annapolis Hall (A)**  
Administrative Offices, Adult Education (GED®, ESL), Adult Services, Institutional Advancement, Mail Room, President, Risk Management and Public Services, Services for Students with Disabilities, Veteran Services
- Braddock Hall (B)**  
Classrooms, Faculty Offices, STEM Learning Center, STEM Lab
- Catoclin Hall (C)**  
Classrooms, Computer Labs, Faculty Offices, Science Labs, Student Lounge in Upper B/C Knuckle
- Athletics Center (D)**  
Athletics, Classrooms, Faculty Offices, Gymnasium, Locker Rooms, Weight Room
- Conference Center (E)**  
Continuing Education & Workforce Development Large and Small Meeting Rooms, Technology Labs
- Visual & Performing Arts Center (F)**  
Art Classrooms, Faculty Offices, FCC Studio Theater, JBK Theater, Mac Classroom & Lab, MCH Art Gallery, Music Classrooms & Practice Rooms
- Gambrill Hall (G)**  
Administrative Offices, Fiscal Services, Human Resources, IT Services, Purchasing,
- Student Center (H)**  
Bookstore, Center for Student Engagement, Cougar Grille, Dean of Students, Faculty Offices, Honors College Classroom & Lounge, Multicultural Student Services, Office of Diversity, Equity, and Inclusion; Security, Student Government Association, Student Lounges
- Jefferson Hall (J)**  
Admissions, Registration & Records; Counseling & Advising; Financial Aid; Learning Support Offices, Student Accounts; Welcome Center
- Mercer-Akre Kiln (K)**
- Linganore Hall (L)**  
Allied Health/Nursing Labs, Classrooms, Writing Center, Language Lab, Library, Faculty Offices, Student Lounge, Testing Center, Tutorial Services, Video Classroom & Lab
- Carl & Norma Miller Children's Center (M)**  
Child Care Center
- Plant Operations (P)**
- Sweadner Hall (S)**  
Lecture Hall



Produced by the Marketing and Scheduling offices. The information contained in this schedule is abbreviated for registration purposes. The provisions of this publication are not to be regarded as a contract between the student and Frederick Community College. The schedule is subject to change. FCC reserves the right to cancel courses due to insufficient enrollment. Full refunds will be issued for canceled courses. Because Frederick Community College is a public institution, photographs of students, employees and visitors in common areas on campus or at ceremonies and events may appear in print or electronic marketing materials without their permission.

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# Explore the Arts in Spring 2016

There are many ensembles available for non-credit at FCC through the department of Continuing Education. This is a great way to find new friends and connect with a community of people making music together each week. Something for all tastes and interests. Consider joining one of these groups to improve your skills and unwind from your busy schedule. For specific inquiries about these music ensembles, call the FCC music department at 301.846.2642.

## **MUS129 FCC Jazz Workshop**

Be part of the FCC jazz workshop and discover the language of jazz and improvisation. Learn about jazz harmony and rhythms and put them together in an ensemble setting. All instrumentalists welcome. Contact Anita Thomas at athomas@frederick.edu or 301.302.5945 for more information. Fees: \$149, Mondays: 7–9:30pm

## **MUS100 FCC Jazz Ensemble**

Join FCC's Jazz Ensemble and perform the best in big-band jazz. (Some prior experience in ensemble playing necessary.) Contact Howard Burns hburns@frederick.edu or 301.733.0859 for eligibility and section placement. Fees: \$149, Wednesdays: 7:45–10:10pm

## **MUS128 FCC String Ensemble**

FCC String Ensemble, for beginning and returning music lovers, performs music of the Baroque, Classical, Romantic and Contemporary periods. Participants of all ages welcome. At least one year of instrumental study required. Contact Lynn Fleming vl Fleming@frederick.edu or 301.922.0398 for more information. Fees: \$135, Thursdays: 7:45–9:15pm

## **MUS118 FCC Flute Choir**

Join fellow flutists to discover the world of flutes in a non-competitive setting. From Classical to Jazz flute choir arrangements (Bass flute, alto flute, c flute and piccolo are available for use on loan.) This ensemble is open to both young musicians and adults at intermediate to advanced levels. Contact Jennifer Rundlett jrundlett@frederick.edu or 240.675.0866 for eligibility. Fees: \$135, Wednesdays: 7:45–9:15pm

## **MUS123 FCC Wind Ensemble**

Join FCC's Wind Ensemble and play great original concert band music by leading composers, and transcriptions of classics and standards. The class is open to college and community wind players with previous experience in high school or college/university bands, and to high school band players, with the director's permission. Even if you haven't played recently, join the band and improve along with us! Contact Aaron Lovely: alovely@frederick.edu or 703.401.8971 for more information. Fees: \$149, Wednesdays: 6:30–9:00pm

## **MUS126 FCC Percussion Ensemble**

FCC's Percussion Ensemble is open to college students and community musicians with a love of percussion. In addition to performing standard percussion repertoire and transcriptions of rock, jazz, and popular music, the group explores percussion music from around the world. Ability to read music required. Previous ensemble experience on drums, keyboard, or auxiliary percussion recommended, but not required. Contact the instructor Greg Herron gherron@frederick.edu or 443.621.8694 for more information. Fees: \$139 + materials, Mondays: 6:30–8:30pm

## **MUS133 FCC Jazz Workshop Introduction**

This class is for those who are beginning their exploration of the world of Jazz. Discover the language of jazz improvisation and learn techniques for using jazz harmony and rhythms in an ensemble setting. Students should already be able to read music, play major scales on their instruments and possess some basic knowledge of music theory. Because this class will focus primarily on improvisation, students will play from provided lead sheets rather than written parts. The class is part lecture and part practical application on your instrument. Performance opportunities include an on-campus concert. All instrumentalists welcome—any instrument you like to groove on! Contact the instructor Anita Thomas at 301-302-5945 for eligibility and section placement. Last day to register is 2/1/2016.

## **FCC Handbell Choir**

Meet fellow music lovers by experiencing the joys and challenges of Handbell Choir. This group is 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 Barbara Scheffter at BScheffter@fcc.edu or 301-512-8066 for information and audition requirements. Fees \$135, Wednesdays 5:30-7:00pm

## **FCC Guitar Ensemble**

From Bach to Bluegrass, this group will explore the masterworks for the classic and mixed guitar ensemble. Come join the fun of playing in a variety of size groups ranging from duets, trios, quartets, and larger groups. This is designed for students with some note reading experience. Minimum note reading requirements include reading and playing in first position, reading basic rhythmic patterns including eighth and sixteenth notes. Students must provide their own instrument. Contact Mark Edwards at medwards@frederick.edu or 334.538.0254 for information. Fees \$135, Friday: 5:30-7:00pm

*\*All CE Arts courses require (1) \$5.00 student registration fee per term*

## Mary Condon Hodgson Art Gallery • Spring 2016

**FEBRUARY 6 – MARCH 2**

**Goodloe Byron**

**Painting Exhibition**

*Opening Reception – Saturday, February 6, 5pm – 7pm*

**MARCH 5 – 31**

**Paul Wilson**

**Oil on Canvas Exhibition**

*Opening Reception – Saturday, March 5, 5pm – 7pm*

**APRIL 2 – MAY 4**

**Jennifer Butts**

**Painting Exhibition**

*Opening Reception – Saturday, April 2, 5pm – 7pm*

**May 9 – June 1**

**The FCC Visual Arts Department Presents:**

**The Student Juried Show, spring 2016**

*Opening Reception – Monday, May 9, 11:30am – 12:30pm*

**JUNE 4 – JULY 6**

**Marty Mercer-Akre**

**2D and 3D Art Exhibition**

*Opening Reception – Saturday, June 4, 5pm – 7pm*

**JULY 9 – SEPTEMBER 7**

**Frederick Camera Clique**

**Annual Photography Exhibition**

*Opening Reception – Saturday July 9, 5pm – 7pm*



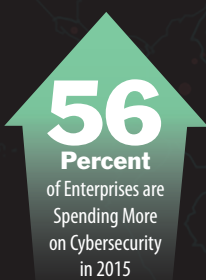
NORSE

 Frederick Community College

# Cybersecurity

FCC now offers an A.A.S. in Cybersecurity

The A.A.S., Cybersecurity program at FCC prepares graduates for a career in cybersecurity capacities, such as information security analyst, information technology auditor, network security engineer, and information assurance engineer. See inside for details!



**PERCENT OF ENTERPRISES**  
currently lack the right skills  
and human resources to  
protect their IT assets

