To Look Up Classes:

- Go to www.canisius.edu
- Click on MyCanisius
- Login to MyCanisius with your username and password
- Under “SCHEDULE AND REGISTRATION” select “Look Up Classes”
- Select “Fall 2016” from the drop-down list
- **Important**: scroll down to the bottom and click on the “Advanced Search” option
- Use the search feature to view current departmental course offerings and enrollments
- To search for courses in a particular subject, select that subject from the list at the top and click on “Section Search” at the bottom
- To search for courses meeting a particular requirement, highlight all the listings in the “Subject” field (to do this, click on the first subject, then hit “Shift” and the down arrow at the same time), highlight the requirement from the “Attribute type” field and click on “Section Search” at the bottom.
Fall 2016 Registration Information

On-line web registration begins soon. Below you will find the registration windows (criteria and time when you can register) and information on how to use the Student On-line Registration and Information System.

There are three self-service computers available for use during normal business hours at the Student Records & Financial Services Center. Staff members will be available to assist you or answer your questions during normal business hours Monday through Friday, 8:00 am – 5:00 pm.

Additional hours will be as follows:
- Saturday, April 9 from 8:30 am – 11:30 am
- Saturday, April 16 from 8:30 am – 11:30 am
- Saturday, April 23 from 8:30 am – 11:30 am

Fall 2016 Registration Schedule

All undergraduate students must meet with an Advisor in your major department, or your Associate Dean prior to online registration. Once you have met with your Advisor, he or she will give you an Alternate/Registration PIN. This PIN will act as your Advisor’s signature and is required for you to register. The system will ask you to enter your Alternate/Registration PIN.

**WITHOUT THIS PIN, YOU CANNOT REGISTER.**
ONLY YOUR ADVISOR CAN GIVE YOU YOUR ALTERNATE/REGISTRATION PIN IF YOU LOSE OR MISPLACE IT. You will need to keep this Alternate/Registration PIN through the end of the drop/add period.

Please note: Alternate/Registration PINS change each semester!

**Registration Windows**

**Undergraduate Matriculating Students**

<table>
<thead>
<tr>
<th>Students with cumulative hours earned (including transfer hours &amp; AP credit) within the following range:</th>
<th>Can register beginning:</th>
<th>And Ending on:</th>
</tr>
</thead>
<tbody>
<tr>
<td>72.0 or more credit hours earned</td>
<td>Saturday, April 9 at 9:00 am</td>
<td>Sunday, September 4 at 11:59 pm</td>
</tr>
<tr>
<td>42.0 – 71.0 credit hours earned</td>
<td>Saturday, April 16 at 9:00 am</td>
<td>Sunday, September 4 at 11:59 pm</td>
</tr>
<tr>
<td>0.0 – 41.0 credit hours earned</td>
<td>Saturday, April 23 at 9:00 am</td>
<td>Sunday, September 4 at 11:59 pm</td>
</tr>
</tbody>
</table>

**Graduate Students**

All graduate students can begin to register for the Fall 2016 semester on Monday, April 11 at 8:30 am

Graduate Students are not required to obtain an Alternate/Registration PIN.
REGISTRATION LOGIN PROCEDURES FOR THE FALL 2016 REGISTRATION CYCLE

- Go to www.canisius.edu
- Click on myCanisius.
- On the myCanisius login page under Quick Links select Register For Classes
- You will now have to login to the self-service system
- Login with your username and password
- Select “Student Services” menu option and click on “Registration”
- Select “Add or Drop Classes”
- Select “Fall 2016” from the drop down list
- Enter your Registration PIN
- Registration begins at 9:00 am
- **DO NOT** go any further until 9:00 am or you will get an error message stating “You are not permitted to register at this time”
- At 9:00 am continue with your registration by entering your CRN numbers in the worksheet boxes for the your class selections
- Submit your changes
- Review your classes and resolve any registration errors listed

Please **DO NOT** wait until 9:00 am to start the login process.
You can login as early as 20 minutes prior to the 9:00 am start.
For security purposes, the time out period is set for 30 minutes.
If you login too early, you will time out.

Please contact the Student Records & Financial Services Center at 888-2600 if you have any questions. You can also stop by the office for assistance on how to use the system.
The Student Records & Financial Services Center is located in Bagen Hall, room 106 and is open from 8:00 am to 5:00 pm daily.

The office will also be open on registration Saturdays from 8:30 am – 11:30 am.
COMMON REGISTRATION ERROR MESSAGES

CLOSED SECTION
This error means that the course has reached the enrollment capacity set by the department. An example would be a 25 student maximum enrollment in a section and there are 25 students registered in the section. **TO RESOLVE THIS ERROR**, select another section or get a registration permit slip from the Student Records & Financial Services Center and have the instructor sign authorizing the registration.

RESERVE CLOSED
This error means that a certain number of seats in the section have been reserved for a specific group of students. The reserved number of seats has been reached. An example would be there are 20 seats reserved for incoming freshmen in a section and 5 seats for upper class students. The 5 seats for upper class students have been reached or the 20 seats for freshmen have been reached. **TO RESOLVE THIS ERROR**, see the Griff Center.

CORQ (course) REQ
This means that a co-requisite course is required when you register for the section. An example would be BIO111 (lecture) requires that you also register for BIO111L (lab) at the same time. **TO RESOLVE THIS ERROR**, you must register for both courses at the same time or get a registration permit slip from the Student Records & Financial Services Center and have the instructor sign to take the course without the co-requisite.

TIME CONFLICT WITH SEC (CRN)
This means that the course has a time conflict with the CRN listed in the error message. **TO RESOLVE THIS ERROR**, select another course or make appropriate schedule adjustments.

DUPL CRSE WITH SEC (CRN)
This means that you have already registered for the same course with the CRN number listed in the error message. **TO RESOLVE THIS ERROR**, select another course or make appropriate schedule adjustments.

PREQ and TEST SCORE-ERROR
This means that the course has a requirement that you must complete a specific course (or the course must be in progress) before you can register. In the case of Math courses, you need to have the pre-requisite course or a passing math placement test score. **TO RESOLVE THIS ERROR**, select another course or get a registration permit slip from the Student Records & Financial Services Center and have the instructor sign to take the course without the pre-requisite.

SIGNATURE REQUIRED
You must get the signature of the person listed (Dean, Department Chair, Program Director, Instructor, Registrar) before you can register. **TO RESOLVE THIS ERROR**, obtain the proper paperwork (independent study form) or get a registration permit slip from the Student Records & Financial Services Center and obtain the proper signature for permission to register.
COMMON REGISTRATION ERROR MESSAGES
(continued)

REPEAT COUNT EXCEEDS 0
This means you are registering for a course that you have already taken. TO RESOLVE THE ERROR, contact the Student Records & Financial Services Center. If you are only registering for 12 credit hours the repeat course will not count towards your full-time status for financial aid. As long as you register for at least 15 credit hours and remain registered for at least 15 credit hours the repeat course will count towards full-time status for financial aid.

MAJOR RESTRICTION
This means the course is restricted to certain major or majors only. TO RESOLVE THIS ERROR, get a registration permit slip from the Student Records & Financial Services Center and have the department chairperson sign to take the course.

LEVEL RESTRICTION
This means that the course is restricted to a certain level (undergraduate or graduate). TO RESOLVE THIS ERROR, get a registration permit slip from the Student Records & Financial Services Center and have your Associate Dean approve the registration into the course.
Advisement

Undergraduate students should prepare for registration by contacting their faculty Advisor in their major department or undecided majors can contact the Griff Center. The purpose of advisement is to enable a student to plan his or her course of study consistent with their abilities, interests and goals. **ALL UNDERGRADUATE STUDENTS MUST MEET WITH THEIR ADVISOR TO PLAN THEIR COURSE SELECTION AND OBTAIN THEIR ALTERNATE/REGISTRATION PIN BEFORE YOU CAN REGISTER ON-LINE.**

Please note: Alternate/Registration PINs change every semester.

Graduate students are not required to obtain an Alternate/Registration PIN, but should meet with an advisor for assistance in selecting their courses. The advisement process is considered an important part of every student's registration process.

Important Notice to All Students

Any outstanding financial obligations that a student owes to the college can prevent the student from registering for classes or making schedule adjustments after registration.

The following types of outstanding financial obligations can stop registration transactions:

* Student Accounts - any outstanding tuition, default on promissory notes, late charges, write-offs or delinquent NDSL loans.

* Library - any late fines or replacement fees for books not returned.

* Residence Life - dormitory damage fees.

* Koessler Athletic Center - lost or damaged equipment fees.

You can check for any holds on your records by using My Canisius.

- After you login open the Schedule and Registration menu.

You must clear all financial holds in order to register for classes or make schedule changes.
HOW TO RUN YOUR GRIFFAUDIT
DEGREE AUDIT REPORT

You are encouraged to run your GriffAudit prior to meeting with your advisor to discuss your course selection for Spring registration. You can also run an audit after you have completed your registration for Spring 2016 to see how those courses fulfill your degree requirements. In fact, you can run a GriffAudit at any time to check your progress towards completing your degree requirements.

To run your GriffAudit:
- Log in to myCanisius
- Under Online Tools, click on Email, D2L, & Services
- Under the “Schedule and Registration” menu, Click on “Run My GriffAudit”
- Click on “Submit an Audit”
- “Latest (all)” and “List All Requirements” will display; click on “Run Audit”
- You will see the following message: “Your audit has been submitted. Please allow up to 5 minutes for the audit to finish.” It actually only takes 20-30 seconds to run an audit.
- Click on “View Submitted Audits.” If nothing appears, click on “Refresh the List” in the upper left corner.
- Click on the “DEGREE IN PROGRESS” message in the “View Link” column to open the audit.

You can also run a “What-If” audit to see how your courses would fall if you changed your major.

To run a “What-If” audit:
- Log in to myCanisius
- Under Online Tools, click on Email, D2L, & Services
- Under the “Schedule and Registration” menu, Click on “Run My GriffAudit”
- Click on “Submit an Audit”
- Click on “What-If?”
- Select the College/School for the major from the drop-down list; click “Select”
- Select the Degree for the major from the drop-down list; click “Select”
- Select the Major from the drop-down list; click “Select”
- VERY IMPORTANT: Select the LAST TERM from the drop-down list; this is the term you entered the college; click “Select”
- Leave “No minor” displayed in the “Select Minor” field; click “Select” (even though a list of minors displays in the drop-down box, this function is not available)
- Click on “Run Analysis”
- You will see the following message: “Your audit has been submitted. Please allow up to 5 minutes for the audit to finish.” It actually only takes 20-30 seconds to run an audit.
- Click on “View Submitted Audits.” If nothing appears, click on “Refresh the List” in the upper left corner.
- Click on the “DEGREE IN PROGRESS” message in the “View Link” column to open the audit.
Each part of your degree requirements will be broken down on the audit:

- Core Curriculum
- Major requirements
- Any second majors and minors
- Free Electives

You can find remaining degree requirements by looking for items listed in red or by finding items listed as Needs. Symbols such as the + sign (requirement completed) or the – sign (requirement not completed) appear on the audit.

At the top of your GriffAudit you will find a legend of what all the codes and symbols represent.

You can print your GriffAudit by using the print function in your browser.

Once you print your GriffAudit you should delete it from the list.

GriffAudits you have run will be automatically deleted after 7 days.

Please note that once you run a GriffAudit, if you re-open the audit it will not reflect any updates to your record.

The GriffAudits are dynamically created each time you run an audit. So in order to get the most accurate and up to date GriffAudit, delete the old audits and always run a new GriffAudit.

In order for your GriffAudit to reflect the correct information, it is important that your major be listed correctly on your record.

If your major is not listed correctly on your record, stop by the Student Records & Financial Services Center to submit a major change form.

If you have question about how to run a GriffAudit, stop by the Student Records & Financial Services Center in Bagen Hall 106 and a staff member will assist you.

If you have specific questions regarding your degree requirements you will need to make an appointment to review your GriffAudit with Deborah Prohn in the Student Records & Financial Services Center. Appointments can be made by calling ext. 2990 or stopping by the office.
Important Information Regarding
Physical Examinations and Immunization Records!

All currently enrolled students and any new freshmen or transfer students must have a completed physical examination on file in the Student Health Office prior to registration. Without this, there will be a hold on your registration!

New York State Public Health Law 2165 requires all full-time and part-time students born on or after January 1, 1957 to demonstrate proof of immunity against measles, mumps and rubella. This must also be submitted to the Student Health Office. Without this, the law states that you will only be permitted to register for up to 5.9 credit hours until proof of immunizations has been submitted!

Proof of immunity consists of a certificate of immunization signed by a physician or health care provider or a previously attended school record. Certificate must specify the following:

**MEASLES** - Two doses of live measles vaccine received on or after the first birthday or physician diagnosis of the disease or serologic evidence of immunity.

**RUBELLA** – One dose of live rubella vaccine received on or after the first birthday or serologic evidence of immunity. Clinical diagnosis of rubella is NOT acceptable.

**MUMPS** – One dose of live mumps vaccine received on or after the first birthday or physician diagnosis of disease or serologic evidence of immunity.

Effective August 15, 2003, New York State Public Health Law 2167 requires all students registered for 6 or more credits to be educated about the risk of meningococcal disease and to either receive the vaccine or sign a statement acknowledging receipt of information and refusal of vaccination. This information must be received in the Student Health Office prior to registration or you will only be able to register for 5.9 credits until proof of compliance with meningitis has been received in Student Health.

Please check with the Student Health Office prior to registration to make sure these requirements have been fulfilled. The Student Health Office is located in Frisch Hall 001, or call (716) 888-2610.

Physical examination and immunizations and the immunization forms are available in the Student Health Office, Monday through Friday, 8:30 a.m. to 4:30 p.m. or visit the Student Health Center Web Site at www.canisius.edu/student_health/ for more information.
In Order To Continue to Receive State and Federal Financial Aid, A Student Must Be In Good Academic Standing

There are two components to Good Academic Standing:

1. Satisfactory Academic Progress
2. Program Pursuit

1. **Satisfactory Academic Progress** requires that a student maintain a minimum cumulative quality point average and a minimum cumulative number of credit hours earned prior to receiving state and federal financial aid. The requirements are listed below.

**Requirements for students who received state aid before the 2010-2011 academic year.**

### Undergraduate

<table>
<thead>
<tr>
<th>Before Financial Aid is Finalized for this semester</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Student must have accrued this minimum number of credit hours</td>
<td>0</td>
<td>3</td>
<td>9</td>
<td>21</td>
<td>33</td>
<td>45</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>105</td>
</tr>
<tr>
<td>Student must have minimum cumulative QPA</td>
<td>0</td>
<td>1.0</td>
<td>1.2</td>
<td>1.3</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

### Graduate

<table>
<thead>
<tr>
<th>Before Financial Aid is Finalized for this semester</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Student must have accrued this minimum number of credit hours</td>
<td>0</td>
<td>6</td>
<td>12</td>
<td>21</td>
<td>30</td>
</tr>
<tr>
<td>Student must have minimum cumulative QPA</td>
<td>0</td>
<td>2.25</td>
<td>2.50</td>
<td>2.75</td>
<td>2.90</td>
</tr>
</tbody>
</table>

(over)
2. Program Pursuit requires that a student must complete the minimum number of credits each semester to be eligible for financial aid the next semester. The student must complete the course and receive one of the following grades:


The following grades are not considered grades for the purpose of determining Program Pursuit:

W, I, FX or Blank grades

The following is a breakdown showing the number of credits that must be completed each semester a student receives financial aid, in order to receive financial aid the next semester.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Minimum Full-time Load</th>
<th>% Needed to Complete</th>
<th>Number of Credit Hours to be Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>12</td>
<td>50%</td>
<td>6</td>
</tr>
<tr>
<td>2nd</td>
<td>12</td>
<td>50%</td>
<td>6</td>
</tr>
<tr>
<td>3rd</td>
<td>12</td>
<td>75%</td>
<td>9</td>
</tr>
<tr>
<td>4th</td>
<td>12</td>
<td>75%</td>
<td>9</td>
</tr>
<tr>
<td>5th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>6th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>7th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>8th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>9th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>10th</td>
<td>12</td>
<td>100%</td>
<td>12</td>
</tr>
</tbody>
</table>
Requirements for students who first received state aid in the 2010-2011 academic year and after.

1. **Satisfactory Academic Progress** requires that a student maintain a minimum cumulative quality point average and a minimum cumulative number of credit hours earned prior to receiving state and federal financial aid. The requirements are listed below.

**Undergraduate**

<table>
<thead>
<tr>
<th>Before Financial Aid is Finalized for this semester</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Student must have accrued this minimum number of credit hours</td>
<td>0</td>
<td>6</td>
<td>15</td>
<td>30</td>
<td>45</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>105</td>
<td>120</td>
</tr>
<tr>
<td>Student must have minimum cumulative QPA</td>
<td>0</td>
<td>1.5</td>
<td>1.8</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

The pursuit requirements are the same regardless of when the student first received aid.
What is Service-Learning?

Service-Learning courses involve learning through a community service experience, and connecting that service to material learned in the classroom. There are three components:

- An academic course
- Community service
- Reflection

The service done in the community becomes like a "living text". It is part of the course like every other aspect of the course and all the students are involved in it. When a student has more than one course in which service is involved, the same service experience may be used for more than one course. The student connects the service experience to the course material. Hours are not multiplied. A student does no more than 20 hours of service in a semester.

Mission Statement:
The Center for Service-Learning incorporates community service within the academic experience at Canisius College, principally through the pedagogical method of service-learning. Through service students are given the opportunity to live out the Canisius educational mission and values through the Jesuit cornerstones.

Learning Outcomes:
  Participation in service-learning should provide students with increased
  1. course specific learning in a community setting
  2. awareness of the need to promote social justice
  3. sensitivity to issues of culture and diversity
  4. ability to identify community needs and resources
  5. awareness of social responsibility and active citizenship
Accounting and AIS Majors
Fall 2016

Sophomore Accounting and AIS majors must take ACC 211 (Financial Accounting) in the fall semester. ACC 211 and ACC 212 are required for all advanced accounting courses.

Junior Accounting and AIS majors must take
ACC 301 (Intermediate Accounting I),
ACC 303 (Cost Accounting) and
ACC 307 (Accounting Information Systems),
LAW 371 (Business and Commercial Law)
ISB 340 (Database Management Systems) – AIS majors ONLY

Please note that ACC 307 is a pre-requisite for ISB 340.

Additionally if you have not taken MKT 201 or FIN 201 those courses should be scheduled as well.

If you plan to take a philosophy course you should consider Ethics (either PHI 241 or 242).

ENG 389 (Business Communications) is also being offered. It is required and you might want to consider taking it in the Fall to meet your Advanced Writing Attribute requirement.

Senior Accounting Majors must take
ACC 415 (Basic Taxation)
ACC 421 (Advanced Accounting Problems)
ACC 451 (Accounting Theory) along with LAW 371, if you have not started the law sequence. You should use GriffAudit to assist in evaluating your progress in fulfilling course requirements for graduation.

Seniors in the MBAA program should take
MBA 715, 721, and 751. However you cannot register for these courses on-line. You will need to go to the graduate business office (Bagen 103) in order to register.

You should use GriffAudit to assist in evaluating your progress in fulfilling course requirements for graduation. If you have not started the Law sequence you should take LAW 371. If you have taken LAW 371 then complete the sequence.

Senior AIS majors will take ACC 426 (Information Security, Controls and Audit).
They should also take MGT 325/MBA 507 (Operations Management) and/or MGT 446/MBA 690 (Managerial Policy/Strategy).

All other business majors, other than accounting majors, should take ACC 201 (Financial Accounting)
Accounting Majors should consider enrolling in this valuable accounting elective:

*ACC441/ MBA741

Title: Fraud Examination: Detection and Deterrence (3 credits)

Course Description:
The course will concentrate on financial fraud, white-collar crime, how financial fraud is perpetrated, approaches to fraud investigations and documentation, and fraud detection and prevention. Ethical issues in fraud examination and investigation will be covered as well as strategies and tools for fraud deterrence in organizations.

Prerequisites: ACC 301/302, ACC 425 or ACC 426
MBA 711/712, MBA 725 or MBA 726
Bioinformatics

The Bioinformatics major, leading to a B.S. degree in Bioinformatics, includes significant coursework in science and mathematics. It is important for students to plan their schedules to allow for timely completion of science sequences. A minor is available. Check the catalog for details.

All Bioinformatics majors and minors are advised by the Bioinformatics Program Director: Dr. Debra Burhans. Any questions about the program or courses can be directed to Dr. Burhans, the (phone: 888-2433, email: burhansd@canisius.edu) To schedule an advising appointment email if preferred.

NOTE: there has been a change in the BIF curriculum. Bioinformatics students must take BIF 101L (1 credit) and CSC 111/L (4 credits) in the fall of the first year to cover introductory material in bioinformatics and computing.

The only BIF course taught this fall is BIF 101L (1 credit) which is open only to BIF majors.

First Year Students:

- BIF 101L (Lab only, 1 credit)
- CSC 111/L (4 credits – Introduction to Programming – taught in Python)
- BIO 111/L (4 credits)
- CHM 111/L (4 credits) or CHM 109 (3 credits)
- FYS 101 (3 credits)

Students with AP credit or other special considerations including the Honors Program should discuss alternative course selections with Dr. Burhans.

Second Year Students:

- BIO 211/L
- CHM 227/L
- CSC 213/L
- Math courses or core courses; if double computer science major CSC 281 (3 credits) is also offered, but might be impossible to schedule until junior year.

Juniors and Seniors:

- CSC 380/L Web Computing (prerequisite CSC 111/L and junior/senior standing) is an excellent computer science course that counts as an upper-level BIF elective.

Also offered this fall in Computer Science (both count for BIF upper-level elective credit):

- CSC 360/L Intelligent Systems (prerequisite CSC 112/L (or CSC 212/L) and junior/senior standing) Covers algorithms for learning, understanding data, graph analysis, etc.
CSC 395/L Software Engineering (prerequisite CSC 213/L) Principles of software system design, group project work is emphasized, work with clients.

Students should select additional courses with assistance from Dr. Burhans: schedule an advising appointment as soon as possible.

Other BIF electives may be offered in biology, chemistry, mathematics, and physics, please check the course schedule for details and check the catalog to see which courses qualify as BIF electives.
BIOLOGY

ADVISEMENT ISSUES: Make Your Advisor Appointments Early! Pin Numbers are GIVEN BY YOUR ASSIGNED ADVISOR! Appointment sheets are posted outside advisor’s doors--- sign up early!!! The advisor lists are posted on the bulletin board next to the Biology office in the Health Science Building room 306. BIOLOGY MAJORS PLEASE NOTE: Upper elective offerings for fall 2016 are in Bold.

NEW BIOLOGY COURSES:

**BIO305 – Environmental and Pathogenic Microbiology:** Designed for students going into health/medical-related professions and environmental science majors alike, *Environmental and Pathogenic Microbiology* will focus on microbial growth, metabolism, and interactions in medically related and ecological settings. This course aims to integrate these two important fields of microbiology by stressing their shared biological themes using examples both from the general environment and the specific environment of host infection. 3 Credits

**BIO305L – Environmental and Pathogenic Microbiology Lab**
This Lab course aims to provide students with experience and understanding of the techniques used in the fields of medical and environmental microbiology. Topics covered in the lab will include: Isolation and identification of bacteria and phage; quantitative techniques; food and water quality testing; biofilms dynamics; and biogeochemical cycling. 1 Credit

**BIO406 Population Genetics:** This course is a general introduction to empirical and theoretical population genetics, in which we examine the interaction of basic evolutionary processes (including mutation, natural selection, genetic drift, inbreeding, recombination, and gene flow) in determining the genetic composition and evolutionary trajectories of natural and conserved populations.

**BIO 406L Population Genetics Laboratory:** Experimental studies designed to explore fundamental concepts in population genetics and their application in conservation. Laboratory is a combination of *in vitro* Drosophila experiments and *in silico* computer simulations/data analyses. 1 Credit Corequisite: concurrent enrollment in BIO 406.

**BIO420 Phylogenetics:** A phylogeny is a branching, tree-like structure that can be used to represent evolutionary history. In Phylogenetics, students will learn how to interpret what these structures communicate about the evolution of a group of related species. They will also learn how clues to the history of populations accumulate at the molecule level in DNA, and how statistical models based on this understanding allows us to build phylogenetic trees that reveal evolutionary history to us. Students will also understand how phylogenies allow us to test specific hypotheses concerning evolution. In the lab portion of this class, students will get firsthand experience generating genetic data, building phylogenies, and testing their own hypotheses. To accomplish this, students will work both at the lab bench and on the computer, using a number of programs to manipulate the data they generate. In short, this is a class where evolution, genetics, statistics, and computer science all meet.

**BIO 441 Neurobiology of Nervous System Disorders** Cellular and molecular mechanisms underlying diseases of the nervous system, with an emphasis on emerging therapeutic approaches to treating diseases. Topics covered include: neurodegenerative diseases, neurodevelopmental disorders, infectious diseases, neuropsychiatric illnesses, stroke, and trauma. Prerequisites: BIO 111, 112, 211, 212
FALL 2016 - OTHER BIOLOGY ELECTIVES OFFERED:

**BIO 312 Primatology**  3 credits
Primatology is the scientific study of primates. Topics include primate evolution, behavior, ecology, and conservation. Emphasis will be placed on reading and critiquing primary literature. Prerequisites: BIO 111-112

**BIO 314 Comparative Anatomy**  4 credits
Intensive study of selected organ systems of lower chordates and representative vertebrates. Evolutionary modifications will provide the framework for the course. The laboratory will focus on dissection and will concentrate on structure/function relationships. Lab required. Three hours of lecture and three hours of lab per week. Prerequisites: BIO 111-112

**BIO 316 Social Organization of Mammals**  4 credits
Behavior and social structures of rodents, felines, canines, cetaceans, elephants, monkeys, apes and humans. Laboratory includes observation of animal groupings at local zoos and aquariums. Lab required. Three hours of lecture and three hour of lab per week. Prerequisites: BIO 111-112

**BIO 320 Field Ecology**  4 credits
Introduction to the flora, fauna and physical characteristics of regional ecosystems with application of ecological theory. Emphasis on field methods and application of scientific method from data collection, analysis, and data presentation. Lab required. Three hours of lecture and six hours of lab per week. Prerequisites: BIO 111-112

**BIO 419 Cell Biology**  3 credits
Recent developments in cell biology, including cell motility, gene expression, protein processing and sorting, signaling, cell division and death, and differentiation. Prerequisite: BIO 111, 112, 211, 212

**BIO 419L Cell Biology Laboratory**  1 credit
Experimental laboratories examining different cellular processes, including cytoskeleton, protein localization, and gene expression. Three hours of lab per week. Corequisite: Concurrent enrollment in BIO 419.

**BIO 426 Immunochemistry**  3 credits
Structural concept of antigenic determinants, immunoglobulin sequences and combining site specificity related to the diversity of the immune response and its control. Prerequisite: BIO 111, 112, 211, 212

**BIO 426L Immunochemistry Laboratory**  1 credit
Current methods in immunological research and diagnosis. Designed to present available methodology and insight into the underlying principles. Three hours of lab per week. Corequisite: Concurrent enrollment in BIO 426.

**BIO 353 Seminar Topics**

**BIO 353 A Genomic Medicine: Successes, Challenges, and Opportunities (Tuesday)**
This seminar researches the latest achievements in genome research and their impact on medicine, primarily genomic medicine tools, clinical application, and the potential to markedly alter the clinical
care of patients. Presentations will provide examples of next-generation sequencing in cancer pharmacogenomics, diagnosis of rare disorders, and in the tracking of infectious disease outbreaks.

**BIO 353 B Phenotypic Plasticity (Monday, Friday):**
The seminar will review examples of phenotypic plasticity in nature, how natural selection shapes plasticity, and the consequences of plasticity on community interactions and composition.

**BIO 353 C Human Nutrition (Monday, Friday):**

**BIO 353 D Apoptosis: Programmed Cell Death (Thursday)**
This seminar discusses the evolution of our understanding programmed cell death. Research papers are presented that follow the progress of our understanding apoptosis from C. elegans through to its role in embryology, and human disease.

*Courses offered this Semester are in bold:*

**Biology Electives**

**Biology Electives:** 6 courses (4 courses with laboratories). Three courses and their associated laboratories must come from any 3 of the 4 tracks listed below. The remaining 3 biology courses may come from any area, and at least one must include a laboratory. Three semesters of BIO 301 fulfills this last laboratory requirement. Currently the Pre-requisites for all courses minimally include: BIO111 & 112. All Track 3 and 4 courses require biochemistry (BIO211and 212).

**TRACK 1: Animal Biology:** Courses that deal with animal structure and function.
- BIO 310: Histology and Histophysiology
- BIO 313: Comparative Embryology
- **BIO 314: Comparative Anatomy**
- BIO 316: Social Organization of Mammals

**TRACK 2: Biological Diversity:** Courses that illustrate the diversity of living systems
- BIO 305: Microbiology: Enviro & Path
- BIO 307: Microbiology
- **BIO 320: Field Ecology**
- BIO 335: Plant Biology

**TRACK 3: Cellular Biology:** Courses that deal with cellular biology (requires biochem)
- BIO 414: Enzymes & Proteins
- BIO 418: Endocrinology
- **BIO 419: Advanced Cell Biology**
- BIO 425: Cellular Neurobiology
- BIO 426: Immunochemistry

**TRACK 4: Genetics/Molecular Biology:** Courses in molecular biology/genetics (req. biochem).
- BIO 404: Genetics
- **BIO 406: Population & Conservation Genetics**
- BIO 408: Biotechnology, Theory in Practice
- BIO 410: Molecular Biology

BIO 420: Phylogenetics
**Biology Electives:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<td>BIO 444</td>
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<tr>
<td>BIO 477</td>
<td>Plants and Society</td>
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</tbody>
</table>

**Biology Department Policies – An Advisement Guide**

**Freshmen-Level Courses**

BIO111 – fall course; open to any student, no pre-requisites
BIO112 – spring course; requires C- grade in BIO111 as pre-requisite

- Once a student begins to take the bio sequence at Canisius, they MUST take the biology classes at Canisius – **they cannot be taken elsewhere**. We do this in the best interests of the students because we teach content in more detail than most other schools and also teach skills. Both the content and skills are expectations for later classes.
- We do not offer BIO111-112 in the summer, so a student who does not earn a C- in BIO111 must wait until the following fall to take BIO111 the next time.
- A student who does not earn a C- in BIO112 will need to retake the class the following spring.

Biology majors are expected to take general chemistry during the freshmen year. This means taking either the CHM 111/112 sequence or the CHM 109/110/112 sequence (in the latter sequence, CHM 112 would be taken during the summer after the freshman year or fall of their sophomore year).

- A student must complete CHM111-112 (or CHM109/110/112) before the student can take BIO211 (the first semester of the sophomore year).
- If a student waits to take CHM112 in the fall of the sophomore year, that student should consider taking CHM112 concurrent with CHM227 (organic 1). The student may also consider taking PHY201-202 as a sophomore to keep on track.

**Sophomore-Level Courses**

(Note that these may be taken by students in their junior year if they did not complete CHM 112 prior to the start of their sophomore year)

BIO211 – fall course; requires C- in BIO112 and completion of CHM 111 (109/110) & 112
BIO212 – spring course; requires C- in BIO211
Most biology majors also take CHM 227-228 as sophomores.

Upper-Level Elective Courses
300-Level: all 300-level Biology electives require completion of BIO111 and 112
  • A sophomore student who has completed BIO111-112, but cannot take BIO211 because of the lack of chemistry, may take 300-level biology electives. We strongly encourage these students to talk to a biology faculty member about which electives will be the most appropriate for someone in that situation.

400-Level: all 400-level Biology electives require completion of BIO211 and BIO212, with a final grade of C or higher for BIO212
CHEMISTRY AND BIOCHEMISTRY

A) Field 6 Offering

Energy and Environment (CHM104) - Man’s interaction with the environment and the consequences facing society today.

B) General Chemistry for Science Majors (CHM109 or CHM111)
There are two General Chemistry sequences: (a) CHM111 with lab (fall) followed by CHM112 with lab (spring) and (b) CHM109 (fall) followed by CHM110 with lab (spring), followed by CHM112 with lab (next fall). CHM111 is recommended for students with a very good background in mathematics and significant exposure to high school chemistry.
Prerequisite: Minimum 580 MSAT or 85 score in Regents Chemistry Exam or instructor’s approval. CHM109/CHM110 sequence is equivalent to CHM111 and Free Elective. Students completing CHM109/110 sequence are eligible to take CHM112 in the fall of their sophomore year or during the summer. Both CHM110 and CHM111 satisfy the prerequisite for the Organic Chemistry I, CHM227. Students who take CHM109/110/112 General Chemistry sequence can graduate in 4 years without taking any summer courses.

For courses in sections C and D see pp 7-16 in the Department of Chemistry and Biochemistry Student Handbook on departmental web page to find out which courses need to be taken by students in each track.

C) Chemistry and Biochemistry Fundamental Courses
1. Organic Chemistry I (CHM227 and 227L)
2. Inorganic Chemistry (CHM244)
3. Classical Physical Chemistry (CHM301 and 301L)
4. Introduction to Biochemistry (BCH301 and 301L)

D) In-depth Courses
1. Spectroscopic Analysis (CHM334 and 334L)
2. Junior (Scientific Literature and Communication) and Senior (Communicating Research Literature) Seminars (CHM381, CHM481)
3. Chemistry and Biochemistry Electives
   a) Materials Chemistry (CHM420 and CHM420L)
   b) Research in Biochemistry (BCH450, BCH451)
   c) Research in Chemistry (CHM450, CHM451)
   d) Some BIO elective courses can also be used as BCH electives, after Chair’s approval

Research courses may be taken in place of a chemistry or biochemistry elective with lab (for 4 CR, 451) or without lab (for 3 CR, 450). Both require the Chairman signature. It is expected that students registered for CHM/BCH 450 spend 9 hours per week in the laboratory and students registered for CHM/BCH 451 spend 12 hours per week in the laboratory. Final written report is required for both CHM/BCH 450 and CHM/BCH 451.

E) Core Capstone for CHM and BCH Majors
Contemporary Issues in Chemical Technology (CHM482)
FALL CLASSICS

Classics is the study of all aspects of the cultures of the ancient Greeks and Romans, including their impact on later peoples up to the present day. For centuries Classics has been a key component of liberal arts education in general and of Jesuit education in particular. Today it remains a vital and vibrant discipline. The Classics Department, with its courses in Fields 1, 2, 3, 4, and 5 and with the Ethics, Justice, Oral Communication, Writing Intensive, and Global Awareness Attributes, is unrivaled at the College in the breadth of its Core offerings. Students who have questions about the Classics major or minor or about particular Classics courses should contact Professor Banchich <banchich@canisius.edu> or Professor Williams (<willia94@canisius.edu>). Fall Classics courses include:

“Elementary Greek I” (CLG 101), Professor Banchich

“Greek Philosophers: Plato” (CLG 213), Professor Banchich*

“Elementary Latin I” (CLL 101), Professor Williams

“Latin Biography” (CLL 211), Professor Williams**

“Greek History” (CLS 103, Field 4, Global Awareness), Professor Banchich

“Mirror of the Past: Greece” (CLS 205; Field 3, Global Awareness), Professor Kaufman

“Mythology and Literature” (CLS 207; Field 3, Ethics), Professor Williams

“Greek and Roman Religion” (CLS 309, Field 1, Oral Communication), Professor Kaufman

“Greek and Roman Tragedy” (CLS 214; Field 3, Ethics and Oral Communication), Professor Russell

“Alexander the Great” (CLS 311; Global Awareness), Professor Banchich

*Requires prior study of Greek. Instructor’s signature required.

**Requires prior study of Latin. Instructor’s or Chair’s signature required.
Students in the Communication Studies major can concentrate in Media Studies, Advertising and Public Relations, Interpersonal and Organizational Communication, or some combination of these areas. Communication Studies is one of the most versatile majors, and strong communication skills are typically among the top skills employers in most fields look for in job candidates. The department works with the Women’s Studies and Fine Arts programs, and Communication Studies courses make up part of the minor in Child, Families, and Community Studies. The department also offers undergraduate degrees in Journalism and Digital Media Arts (see separate entries in this Advisement Guide). Details concerning courses, concentrations, degree requirements, dual majors, internships, communication-related clubs and our Master’s program in Communication and Leadership, as well as a faculty directory, are all provided in our “Communication Studies Handbook” available in the department office, LY 314, as well as on the department’s website for Communication Studies: http://www.canisius.edu/communication/index.dot

Advisement
In order to register for Fall 2016 courses, students need to meet with their advisors to discuss their proposed schedule of classes and to receive a PIN number. This should be done at least a week before the opening of the student’s registration window.

Student advisors are listed in a number of places: 1) on a master list in the hallway near Lyons 314; 2) on the professor’s door; and 3) toward the bottom of this page (link to a .pdf document) http://www.canisius.edu/communication/program/. For general queries, please contact the department chair, Dr. John Dahlberg dahlberj@canisius.edu.

Communication Studies majors are encouraged to register for at least one of the required courses (COM 201-206) each semester until they have completed these courses. The following courses fulfill requirements in the college core curriculum as noted:

COM 201: Oral Communication attribute
COM 203: Advanced Writing-intensive attribute
COM 204: Field 5 – Social Sciences
COM 205: Field 5 – Social Sciences
COM 351: Ethics attribute
COM 304: Field 5 – Social Sciences
COM 414: Core Capstone
DMA 215: Field 5 – Social Sciences

Facilities
Up-to-date software and computers are available to students in four labs in Lyons Hall. Digital video editing stations, an audio/music production studio and a television studio/control room are available on the 4th floor of Lyons Hall. The television studio has been upgraded to HD, and
students have access to HD equipment for sign-out from the Media Center, also on the 4th floor of Lyons.

**Internships**
Qualified junior and senior majors may apply for an internship. For further information, please refer to the handbook, the web site and/or see Dr. Barbara Irwin, director of the internship program.

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**Communication Studies Course Offerings for Fall 2016**

**Required Courses**
- COM 201 Oral Communication
- COM 202 Communication Theory
- COM 203 Writing for the Public Media
- COM 204 Interpersonal Communication
- COM 205 Mass Communication & Society
- COM 206 Research Methods

**Elective Courses**
- COM 311 Principles of Advertising
- COM 312 PR Principles & Practices
- COM 318 Organizational Communication
- COM 325 Media Literacy*
- COM 335 Communication & Personality
- COM 337 Constructive Uses of Humor
- COM 359 Communication and Sports
- COM 375 Film Classics
- COM 414 Issues in IMC
- DMA 201 Intro to Digital Media
- DMA 215 Digital Media Culture
- DMA 217 Interaction Design
- DMA 342 Introduction to Web Design
- JRN 310 Journalism I
- JRN 311 Advanced Journalism
- FAS 141 Digital Photography
- DMA, JRN and FAS courses above = COM electives. COM majors may take a maximum of 6 credit hours in FAS toward the Communication Studies major.

**NOTE:** COM 414 is designated as a CORE CAPSTONE course.

* = Service Learning Course

(For days and times of these courses, please refer to listings on the college’s website.)

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**Fall 2016 Course Descriptions**

**COM 201 Oral Communication**
Study and practice of concepts, processes and techniques of effective verbal communication in face-to-face, small group and public-address contexts. Speeches required. (Oral Communication attribute)

**COM 202 Communication Theory**
Fundamental forms of communication theory and perspectives are explored and related to particular lines of research in interpersonal, group, organizational, public and mass mediated communication contexts.
COM 203  Writing for the Public Media
Intensive writing assignments employing message-design principles provide students with opportunities to prepare news, features, press releases, advertising copy and opinion pieces. (Advanced Writing-intensive attribute)

COM 204  Interpersonal Communication
Study of theoretical and pragmatic aspects of interpersonal communication in numerous contexts to enhance self-awareness and effective self-expression. (Field 5 – Social Sciences)

COM 205  Mass Communication and Society
Survey of mass communication processes and the mass media in terms of development, structures, functions, effects and interactive relationships with our society. (Field 5 – Social Sciences)

COM 206  Introduction to Research Methods
The fundamentals of the scientific method, especially, the basics of research methods, designs and hypothesis testing.

COM 311  Principles of Advertising
Learn the fundamentals of advertising, including history and development, advertising media, marketing, audiences, campaign objectives, budget, creativity and agency functions. DMA elective.

COM 312  Public Relations: Principles and Practices
Historical antecedents and contemporary practice of public relations are examined in the context of public relations concepts and theories. The course also examines the day-to-day responsibilities and ethical obligations of PR practitioners in a variety of public settings.

COM 318  Organizational Communication
Communication principles and practices, including communicator style variables, communication flow and competent superior-subordinate communication.

COM 325  Media Literacy
Focuses on theoretical approaches and practical skills enabling students to analyze, think critically and produce effective mediated messages in a variety of formats and specialized content areas. Service Learning Option. (DMA, JRN elective.)

COM 335  Communication & Personality
What are your dominant communication traits? What are your uncommon traits? Find out about what makes people tick! We will look at such common traits as humor, loneliness, argumentative, and aggressive communication. More fun than research methods!

COM 337  Constructive Uses of Humor
Survey of classic and contemporary humor theories, concepts and research. Special emphasis on research that highlights the benefits of humor in education, medicine, business and relational contexts.
COM 359 Communication and Sports
Why do so many people enjoy playing, watching, and talking about sports? This course examines the significance of interpersonal communication in the context of sports. Communication interactions between coaches and athletes, athletes and teammates, coaches and parents, and parents and athletes are explored.

COM 375 Film Classics (online-course)
The development of cinema worldwide from World War II through the 1990s. Study, view and discuss films representative of major directors, genres and national cinema movements. (DMA elective. Also accepted for Art History major/minor credit)

COM 414 Issues in Integrated Marketing Communication - Core Capstone
All Canisius students are required to complete a Core Capstone approved course for the college core. There are many core capstones that are open to all majors; this one has the prerequisite of: Senior status, COM, DMA or MKT majors only. This course looks at contemporary advertising and marketing communication through a global, economic, political, social, creative, just and ethical lens. We explore the weekly magazine, Advertising Age, and daily online publication, PR Daily, for the latest information about trends in marketing communication, in all media, about virtually any current topic in the advertising, public relations and marketing world.

DMA 201 Intro to Digital Media
Introduces the fundamentals of digital systems and technologies through class lecture and hands-on approaches. Software and hardware used for web design, multimedia, video production, graphics and audio production. COM Elective.

DMA 215 Digital Media Culture (formerly DMA 202)
Explores how digitization impacts our personal, business, cultural, institutional and international lives. Also examines the ways in which digital media transform communication and expression.

DMA 217 Interaction Design (formerly DMA 207)
Students will learn Action Script 3.0, the scripting language of Adobe Flash, to build interactivity into web pages and digital applications. Students will learn how to structure and develop small online games for advertising, educational or entertainment purposes. Prerequisite: DMA 206 or permission of instructor.

DMA 342 Intro to Web Design
Introduction to the state of the art in HTML and CSS formatting of web pages. Working individually and in teams, students learn to publish well-designed World Wide Web documents that communicate effectively.

JRN 310 Journalism I
Synthesize and shape facts into compelling stories about real people, places, events, and issues as you write an array of news and features for print and on-line media, using a variety of storytelling designs. COM Elective.
JRN 311  Advanced Journalism/Investigative Journalism
Advanced study and practice of all aspects of journalism, including news gathering, reporting, writing and editing.

FAS 141  Digital Photography  (online-course)
Review basic photo skills as they relate to the operation of digital cameras. Students are introduced to the digital workflow using Photoshop to develop a personal style that is reflected in a printed and digital portfolio. Prerequisites: No prior photo experience, students must have a D-SLR camera (digital single lens reflex camera).
Computer Science

All students are welcome to take courses offered by the department provided they meet the prerequisites. **Note our first programming course (CSC 111/L) is now offered in the fall.**

Courses in the Core Curriculum:

**CSC 108 & CSC 108L – Introduction to Web Computing (4 cr, Field 7, Ethics)**
This course introduces computing through the use of the Internet, the World Wide Web and Web programming. **There are no prerequisites for this course.** HTML and JavaScript will be taught, along with the history of computing, the Internet and the Web, and an overview of hardware and software systems, security, ethics and social impact. **This course is not required for the computer science major and is not needed prior to taking CSC 111/L.**

**CSC 111 & CSC 111L – Introduction to Programming (4 cr, Field 7)**
This is a general programming course that has been **redesigned** to appeal to a broader audience and is now **taught in Python.** **There are no prerequisites for this course.** It is appropriate for any student interested in learning about programming, and is particularly recommended for DMA, Math, Math Education, and Science majors. **This course is required for any student in the CS or BIF major or minor.**

First Year Computer Science Majors and Minors:

Computer Science majors in their first year of study should elect CSC 111/L unless they are at a remedial level in math, in which case they should consult with an advisor to determine whether they should take CSC 108/L instead. In addition, first year Computer Science students should elect the highest-level math course for which they are qualified, usually either MAT 109 (Calculus with Review) or MAT 111 (Calculus I).

Courses for first year CS majors:

**I. Computer Science (4 credits)**
CSC 111/L (Introduction to Programming – see description above)

**II. Math (4 credits)**
MAT 109 (if not ready for Calculus I)
or MAT 111 (Calculus I)
or MAT 112 (Calculus II, if you place out of Calc I and are interested in the science track)

Students not ready for MAT 109 should consult with an advisor and/or the Math department to determine the best way to proceed with the mathematics requirements.
Courses for second year CS majors:

**CSC 281 Automata and Algorithms** (3 cr, Prerequisite: CSC 112/L or CSC 212/L)
This course provides an introduction to the theoretical foundations of Computer Science.

**CSC 213/L Large Scale Programming** (4 cr, Prerequisite: CSC 112/L or CSC 212/L)
This course introduces the Java programming languages as well as larger scale programming projects involving group work.

**Math**: If not yet completed, course(s) needed for math requirement.

Courses for upper-level CS majors, fall semester:

**Required for majors**: CSC 360/L – Intelligent Systems
Prerequisite: CSC 212 & CSC 212L

**Required for majors**: CSC 395/L – Software Engineering
Prerequisite: CSC 213 & CSC 213L

**Upper-Level CSC Elective**: CSC 380/L – Web Development
Web design principles, programming and scripting (both client-side and server-side), database access, client/server mechanisms, search engines, and security. Prerequisites: CSC 111/L and junior/senior standing.

Upper-level courses are typically offered ONCE every two years. Students should consult with their advisor to complete their schedule with core courses, minor courses or lab science courses, and electives to ensure they can graduate on time.
CREATIVE WRITING MAJOR

The creative writing major consists of 12 courses: ENG 299, ENG 294, and ENG 490 (to be taken senior year); three additional creative writing courses; and six additional English and literature courses, which must include one in each of the following areas: Contemporary, British, and American.

Major Course Requirements

ENG 294   Introduction to Creative Writing   Cochrane
ENG 299   Introduction to English Studies   Pribek
ENG 342   Writing Young Adult Fiction   McNally
ENG 411   Playwriting   Schneiderman

Contemporary Requirement

HON 384   American Immigrant Voices   McNally

British Requirement

ENG 322   Shakespeare   TBA
ENG 346   18th-Century British Lit   Wolf

American Requirement

ENG 319L  American Literature I   Hodin
ENG 382  African-American Literature   Butler
ENG 396-W  Slave Narratives   Desiderio

Literature and English Electives

CLS 205  Mirror of the Past   Kaufman
CLS 207  Mythology and Literature   Williams
CLS 214  Greek and Roman Tragedy   Russell
ENG 147   Acting   Dugan
ENG 201   Poetry   Pribek
ENG 202   Drama   Hodin
ENG 218   Literature and Medicine   Fisher
ENG 224   Journey in World Literature   Gregorek
DIGITAL MEDIA ARTS
Department of Communication Studies

Lyons Hall 314 – 888-2115

http://www.canisius.edu/dma

Overview
The Digital Media Arts program, in the Communication Studies Department, offers a 13-course major to those seeking to design and construct effective messages/content—both visually and textually—through the creative use of an array of digital tools. The courses are organized into four concentrations in graphic design, web design, game design and digital filmmaking culminating in a senior project. Details of the program can be found in a department handbook, “Advisement Guidelines,” available in the department office, Lyons 314, as well as on the department’s website for DMA (www.canisius.edu/dma).

Advisement
In order to register for the Fall 2016 courses, students need to meet with their advisors to discuss the proposed classes and receive a PIN number. This should be done at least one week before the opening of the student’s registration window. Appointment schedules are posted on faculty doors; students should sign-in for a time slot.

Student advisors are listed on a master list in the hallway near Lyons 314 and on the professor’s door. For general DMA queries, please contact the DMA Director Dr. P.J. Moskal (moskalp@canisius.edu).

Digital Media Arts: Learning Goals & Objectives
Student Learning Goal 1

Majors will design and construct effective messages through the use of digital tools.

Student work will:
Objective A: Show awareness of “target audience” or demographic;
Objective B: Exhibit control of focal point and control of visual attention of audience;
Objective C: Exhibit clarity in communication, visual impact, aesthetic appeal;
Objective D: Exhibit understanding of how to present portfolio and discuss work.

Student Learning Goal 2

Majors will evince technical prowess in digital media.

Students will:
Objective A: Execute a project that makes optimal use of software, coding/programming languages, and platforms;
Objective B: Carry out basic tasks in a wide variety of digital media areas, including interactive design, digital video and audio editing, graphic manipulation, digital illustration, digital typography, 3-d modeling and animation;
Objective C: Understand and be able to define concepts and terminology pertaining to a wide variety of digital media areas.
**DMA core requirements**
Starting with the Fall 2014 semester, DMA has implemented a new 200-level course sequence that reflects the four concentrations offered in the program: graphic design, web design, digital filmmaking and game design.

- DMA 201 Intro To Digital Media, prerequisite to many DMA production oriented courses, field 3: Arts
- DMA 212 2D Graphics
- DMA 213 3D Graphics, field 3: Arts
- DMA 214 Digital Design Concepts, field 3: Arts
- DMA 215 Digital Media Culture, field 5: Social Sciences
- DMA 216 Digital Media Law
- DMA 217 Interaction Design
- DMA 218 Motion Graphics

**Senior Project and Portfolio**
Senior Project and Portfolio course remains a requirement for all DMA students. If you are a senior, please talk to your advisor and register for an appropriate course to fulfill this requirement. The courses that qualify as Senior Project and Portfolio for each of the concentrations are:

- DMA 393: Advertising Design (graphic design) – offered in Spring
- DMA 399: Social Documentary (digital filmmaking) – offered in Spring
- DMA 442: Advanced Web Design (web design) – offered in Spring (odd years)
- DMA 370: Designing for Mobile Devices (web design) – offered in Spring (even years)
- DMA 354: Game Development (game design) – offered in Fall (even years)
- DMA 450: Serious Games (game design) – offered in Fall (odd years)

**DMA Electives:**
In addition to DMA major requirements, students must complete at least 5 DMA elective courses and at least 3 of them have to carry a DMA prefix (e.g. DMA 442). The other 2 courses can come from other programs such as Fine Arts Studio, Computer Science, Art History, Philosophy and Communication Studies, and others. You may view the full list of DMA electives and qualified courses on our website at: [www.canisius.edu/dma](http://www.canisius.edu/dma)

**Concentrations**
Concentrations were introduced to guide students through the program and help them find courses relevant to their area of study and interests. DMA students are **not restricted** to DMA electives from one concentration only, on the contrary, they are encouraged to try a wide variety of courses before they decide to focus on something specific. For example, students interested in web design are encouraged to take courses in graphic design and students interested in game design are encouraged to take courses in digital filmmaking, and vice versa.
DMA course offerings for Fall 2016

DMA core courses
Freshmen and sophomores are advised to take 200-level courses first, before registering for more advanced 300-level courses. DMA 201: Intro To Digital Media is a prerequisite for many of the DMA production oriented courses and should be taken in the freshmen year. The 200-level required courses offered in Spring 2016 are:

- DMA 201: Introduction to Digital Media (field 3: Art)
- DMA 214: Design Concepts (field 3: Art)
- DMA 215: Digital Culture
- DMA 217: Interaction Design
- DMA 218: Motion Graphics

DMA electives
DMA electives are usually more advanced DMA courses and students are expected to have basic software skills and be familiar with basic concepts relevant to graphic and web design, interaction design and motion graphics. Please discuss electives with your advisor before registering for them. The 300-level courses offered in Fall 2016 are:

- DMA 342: Intro to Web Design
- DMA 347: Electronic Game Design
- DMA 352: Character Design
- DMA 354: Game Development
- DMA 395: Digital Illustration

Other courses DMA majors should consider taking that count as DMA electives:

- COM 325: Media Literacy
- CSC 108: Intro to Web Computing
- CSC 111: Intro to Programming
- CSC 360: Intelligent Systems
- CSC 380: Web Development
- FAS 110: Two-Dimensional Design
- FAS 120: Drawing I
- FAS 130: Three-Dimensional Design
- FAS 150: Color

FAS, COM and CSC courses above = DMA electives, but only two non-DMA prefix courses can be counted as DMA electives. Please pay close attention to how GriffAudit counts your courses and discuss with your advisor.

Facilities
In addition to the comprehensive program in the digital media field, up-to-date software and computers are available to students in four labs in Lyons Hall. There also are digital video editing stations, an audio/music production studio and a television studio/control room on the 4th floor of Lyons Hall.
Internships
Qualified junior and senior majors may apply for an internship. For further information, please refer to the handbook, the web site and/or Dr. Barbara Irwin, director of the internship program. Note that all DMA majors (or dual-majors) are now required to include a web-link to an online portfolio as part of the internship application.

Course Descriptions

DMA Core Courses:

DMA 201: Intro to Digital Media, 3 credits
Introduces the fundamentals of digital systems and technologies through class lecture and hands-on approaches. Software and hardware used for web design, multimedia, video production, graphics and audio production. There is no prerequisite for this Field 3: Arts course, open to all majors.

DMA 214: Digital Design Concepts, 3 credits
Introduces the conceptual, perceptual and manual skills in traditional graphic design. Topics include typography and visual communication, color theory, the principles of form, structure, spatial design and photo manipulation. There is no prerequisite for this Field 3: Arts course, open to all majors.

DMA 215: Digital Media Culture, 3 credits
Explores how digitization impacts our personal, business, cultural, institutional and international lives. Also examines the ways in which digital media transform communication and expression. There is no prerequisite for this Field 5: Social Sciences course, open to all majors.

DMA 217: Interaction Design, 3 credits
This course is an introduction to programming for designers using JavaScript and JavaScript based libraries such as JQuery, CreateJS and JavaScript for Unity game engine. Students will learn principles of Interaction Design and User-Centered Design to build interactivity into web pages for the purpose of advertising, training and entertainment. Prerequisite: DMA 201 or permission of instructor, open to all majors.

DMA 218: Motion Graphics, 3 credits
This course, open to all DMA majors, covers the fundamentals of key-frame based animation in Adobe After Effects. Students produce motion graphics for informational presentations, such as commercials and PSA’s, as well as typographic effects and logo spins for movie trailers, video intros and promotional digital marketing projects. There is no prerequisite for this course, open to all majors.

DMA Elective Courses:

DMA 342: Intro to Web Design, 3 credits
Introduction to the state of the art, on-line multimedia publishing. Working individually and in teams, students learn to publish well-designed World Wide Web documents that communicate effectively. Prerequisite: There is no prerequisite for this course, open to DMA and Computer Science majors.
DMA 347: Electronic Game Design, 3 credits
This course covers the art, craft and business of creating electronic games. Develop your own game concept, learn the basics of interactive authoring and produce a storyboard. Emphasis is placed on understanding the gaming industry and the languages of game design. There is no prerequisite for this course, open to all majors.

DMA 352: Character Design, 3 credits
This course is a comprehensive overview of 3D character design and development for games and simulations. Students start the process with concept sketches, then continue with modeling and rigging. The final result is an optimized, fully rigged character, ready for animation and real-time rendering in a game engine. Prerequisite: DMA213 or permission of instructor, open to DMA and Computer Science majors.

DMA 354: Game Development, 3 credits
This course is a hands-on overview of interactive techniques and game design approaches for development of games and simulations. Students explore concepts of procedural rhetoric, interactive storytelling, iterative design and teamwork as they develop a working prototype of a game or simulation. Prerequisite: DMA213 or permission of instructor, open to DMA and Computer Science majors.

DMA 395: Digital Illustration, 3 credits
Don’t violate copyrighted imagery off the web - create your own! You don’t have to know how to draw to create stunning graphics. Use Adobe CS to learn approaches, techniques and current trends of professional illustrators. Prerequisite: DMA 201 or permission of instructor
ECONOMICS AND FINANCE DEPARTMENT

ECONOMICS COURSES

ECO 101 - Principles of Macroeconomics - Explanation of the market system through supply and demand analysis. Measurement of macroeconomic variables and development of economic models to analyze problems of unemployment, inflation and economic growth. How fiscal and monetary policy can be used to combat business cycles. Satisfies Field 5 requirements with no prerequisites. A required course for all Wehle School of Business majors, who should take it in their freshman year. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year.

ECO 102 - Principles of Microeconomics - Explanation of how the market system operates in the context of limited resources. Emphasis is placed on the manner in which consumers and firms determine what to produce, how to produce and for whom to produce. Satisfies Field 5 requirements with no prerequisites. A required course for all Wehle School of Business majors, who should take it in their freshman year. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year.

ECO 205 - Intermediate Microeconomic Analysis - Analysis of demand and supply under various market structures. Cost and production theory, factor pricing and welfare economics. A required course for all Economics majors. ECO 205 can be used as a Finance elective. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisites: ECO 101, ECO 102.

ECO 206 - Intermediate Macroeconomic Theory - Measurement of macroeconomic variables and development of long run and short run economic models to analyze economic growth and business cycles. The Federal Reserve, monetary policy and fiscal policy will be discussed. A required course for all Economics majors. ECO 206 can be used as a Finance elective. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisites: ECO 101, ECO 102.

ECO 255 - Business Statistics I - Fundamental concepts of probability and statistics with emphasis on business and economic applications. Organizing and describing data, probability theory, sampling, estimation, and hypothesis testing. Satisfies Field 7 requirements with no prerequisites. A required course for all Wehle School of Business majors, who should take it in their sophomore year. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year.

ECO 256 - Business Statistics II - Hypothesis testing, regression analysis, goodness of fit, contingency tables, analysis of variance, time series analysis and forecasting, with emphasis on business and economic applications. A required course for all Wehle School of Business majors, who should take it following ECO 255. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisite: ECO 255.
ECONOMICS ELECTIVES:

ECO 311 – Metropolitan Economic Development and GIS - Economic development is an essential component of local policy and governing, and a perceived driver of success and vitality for cities, metropolitan areas, and regions. This applied course will introduce students to basic economic development theorems and commonly used measures of economic performance within a geographical information systems (GIS) environment. Prerequisites: ECO 101 or ECO 102.

ECO 320 – Environmental Economics - How economic analysis can be applied to promote the efficient and equitable use of natural resources, such as land, air, soil, fauna and flora. Emphasis on how the principles of economic analysis can be applied to design policies that reduce or eliminate harmful environmental impacts such as pollution and environmental degradation and improve human welfare through natural resource management. Examines how best to strike a balance between economic activity and environmental quality. Prerequisites: ECO 101, ECO 102.

ECO 330 – Money, Banking and the Economy - The connection between financial markets, the macro economy and the Federal Reserve will be explored. This course will examine the nature of financial markets, the determination of interest rates, commercial banking, money and monetary policy. Emphasis will be placed on the impact of monetary policy on the macro economy. ECO 330 can be used as a Finance elective. Prerequisites: ECO 101, ECO 102.

All Finance courses can be used as Economics electives.

INTERNSHIPS: Any economics or finance major may use an internship as a major elective. All internships are on a pass-fail basis. Information about paid internships is available in the career center.

FINANCE COURSES

FIN 201 - Introduction to Finance - An introduction to financial analysis. Topics covered include: financial statements, tools of financial analysis, bond and equity valuation, financial management. A required course for all Wehle School of Business majors. Should be taken in the sophomore year by all business majors. Prerequisites: ECO 101, ECO 102, ECO 255 or concurrent registration.

FIN 311 - Corporate Finance - Examination of the procedures and objectives of capital budgeting, the financing of the firm by means of debt and equity and short-term and long-term financial management. A required course for all Finance majors. Can be taken concurrently with FIN 312. Recommended as one of the courses in the Economics BA concentration in Finance. Prerequisite: FIN 201.

FIN 312 – Investments - Introduction to the institutional features of securities trading, portfolio construction, and the capital asset pricing model. Valuation of equities, bonds, and an introduction to various derivative instruments. A required course for all Finance majors. Recommended as one of the courses in the Economics BA concentration in Finance. Prerequisites: FIN 201, ECO 256.
FIN 414 - Portfolio Management - An introduction to modern portfolio theory and management. The strategies underlying portfolio construction and evaluation will be examined along with the implications of market efficiency on portfolio management. A required course for all Finance majors. Should be taken following FIN 311 and FIN 312. Recommended as one of the courses in the Economics BA concentration in Finance. Finance major assessment will be performed in this class. Prerequisites: FIN 311, FIN 312, ECO 256.

FINANCE ELECTIVES:

Two sections of FIN 412 will be offered during the fall 2016 semester. **FIN 412A is for GGF students only.** FIN 412B is open to all students.

FIN 350 – Introduction to Financial Planning and Wealth Management - A survey of topics in wealth management and personal financial planning for professionals. Understand the challenges and opportunities faced by high-net-worth investors. Review the development of the wealth management industry, including the evolution of the high-net-worth investor segment. Study specific wealth management needs and explore approaches to asset management, benchmarks for evaluating portfolio performance, risk tolerance, and tax and estate planning issues that need to be addressed by an effective wealth management plan. Learn to work proactively with clients and other advisers. Prerequisite: FIN 312

FIN 412 - Equity Analysis - The analysis and interpretation of financial information and accounting statements in order to assess security risk and return, credit worthiness, financing needs and the valuation of the firm. Prerequisites: FIN 311, FIN 312.

FIN 423 – Fixed Income Securities - Examines various types of fixed income securities and the markets in which they are traded. Emphasis on pricing, extracting term/risk structure information from market prices, evaluation of investment opportunities, and interest rate risk management. Prerequisites: FIN 311, FIN 312.

FIN 456 – Business Analytics using R - This course introduces students to the open source (free) software language R. R is used extensively in the business world to access, process and analyze data. Students will learn how to download and process data from the many publicly available data sources such as Yahoo!Finance, Google Finance, SEC filings, and the Federal Reserve Bank’s Data Library. R will be applied to the analysis of financial ratios, investment portfolios, options, CAPM, Monte Carlo simulation, Value at Risk modeling and market microstructure. Prerequisite: FIN 311 or FIN 312 or permission of the instructor.

FIN 480 - Derivative Securities/Options - Examines the nature of options, futures and swap contracts. Pricing of these assets and various strategies concerning how derivatives can be used to mitigate risk will be discussed. An important course for those interested in an investment management career. Prerequisites: FIN 311, FIN 312, ECO 256.

FIN 485 - FIN 486 Golden Griffin Fund - A two-semester sequence in which students become equity analysts and portfolio managers for a real money portfolio of common equity securities (the Golden Griffin Fund “GGF”). Students screen companies in the fall semester and perform detailed
financial statement and valuation analyses in the spring semester. Current macroeconomic and 
financial market developments are discussed weekly. Monthly written reports regarding current 
GGF portfolio positions are produced by the student managers beginning in the summer. Students 
taking FIN 485 are expected to continue into the spring semester in FIN 486. NOTE: GGF 
students are selected during an application process, generally during their junior year. Prerequisites: 
FIN 311, FIN 312, Concurrent registration: FIN 412, FIN 414, & FIN 480.

INTERNSHIPS: Any economics or finance major may use an internship as a major elective. All 
internships are on a pass-fail basis. Information for paid internships is available in the career center. 

Please see the Canisius College web pages for course days and times.
ENGLISH MAJOR

In order to receive their Registration PINs for Fall 2016, Senior, Junior, and Sophomore majors must see their departmental advisors. Dual majors also have advisors and may consult them about registration matters. A list of advisors is available in CT-916 or online at www.canisius.edu/english/. Contact your advisors directly at least one week to ten days prior to the opening of your registration window.

Courses Offered in Fall 2015

200-level courses:  201  Poetry      Pribek
202  Drama      Hodin
218  Literature and Medicine   Fisher
224  Journey in World Literature   Gregorek
294  Intro. to Creative Writing (W)   Cochrane
299  Intro to English Studies   Pribek

Shakespeare:  322  Shakespeare I    TBA

Pre-1800 British lit:  346  Eighteenth Century British Lit   Wolf

Pre-1900 American lit:  315  American Literature I   Hodin

English Major Electives:  147  Acting I   Dugan
382  African American Literature   Butler
389  Business Communication (W)   Hammer
342  Writing Young Adult Fiction   McNally
411  Playwriting (W)   Schneiderman

396-W  English Honors Seminar:
        Slave Narrative and Neo-Slave Narrative   Desiderio

English Major capstone:  450  Globalization and Literature   Gregorek

W=counts as a writing course in English major.
Core Curriculum:

Core Capstone:  
365-C Representing WWI Jane Fisher  
365-F Romancing the Grail Johanna Fisher

Note: English majors may count one core capstone as an English major elective course.

Courses with Field 3 designation:

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<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
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<tr>
<td>147</td>
<td>Acting</td>
<td>Dugan</td>
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<td>Schneiderman</td>
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</table>

Courses with Knowledge and Skills attributes:

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<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Global Awareness</td>
<td>224</td>
<td>Journey in World Literature</td>
<td>Gregorek</td>
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<tr>
<td>Diversity</td>
<td>368</td>
<td>African American Literature</td>
<td>Butler</td>
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<tr>
<td>Adv Writing Intensive</td>
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<td>Acting I</td>
<td>Dugan</td>
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Attention non-English majors: because several of these courses are required for sophomore English majors, the department initially limits the number of seats available for non-majors during the first three weeks of the registration period. Please contact the department chair, Dr. Mark Hodin, hodinm@canisius.edu, if you have questions or wish to be placed on a waiting list.
ENTREPRENEURSHIP

Our goal in the Entrepreneurship program at Canisius is to help students and others discover their innate entrepreneurial potential and to give them a set of tools and perspectives for capitalizing on that potential. There are many paths that entrepreneurship students can follow, including: starting their own business ventures; working in fast-growth, innovative firms; taking over a family-owned company; buying a business or franchise; pursuing entrepreneurial ideas and concepts in larger, established organizations; creating new non-profit enterprises or social institutions that address societal needs in new and different ways. Students can also bring an entrepreneurial perspective and training to such disciplines as architecture, engineering, science, and the arts.

To see a complete listing of the courses required for the Entrepreneurship program, please consult the undergraduate catalog or the college web site: http://www.canisius.edu/entrepreneurship

Contact: Dr Ji-Hee Kim at 716-888-2606, kim15@canisius.edu

Required Entrepreneurship courses offered during Fall 2016

ENT 201: Introduction to Entrepreneurship - Fall Only
ENT 402: New Venture Creation (capstone course for ENT major) Fall only**
Typically ENT 401 must be successfully completed prior to taking ENT 402.

Entrepreneurship Elective courses offered during Fall 2016

ENT 102: Student Startup Accelerator
ENT 311: Entrepreneurship and Family Business - Fall Only
MGT 438: Entry Strategies for Emerging Markets
MGT 440: Global Supply-Chain Management
MGT 460: Ethical Power and Influence for Leaders
MGT 475: Doing Business in Latin America

Required Entrepreneurship courses offered Fall 2016

Introduction to Entrepreneurship (ENT 201)
Provides an understanding of the entrepreneurial process from both conceptual and applied perspectives. Topics include creativity, innovation, the characteristics of entrepreneurs, common issues encountered by entrepreneurs, entrepreneurial marketing, entrepreneurial finance, and organizational strategies for new business enterprises. Students will engage in real entrepreneurial projects. Open to business and non-business majors including students from the College of Arts and Sciences and the School of Education and Human Services. Fall only. Instructor: Dr. Ji-Hee Kim.

New Venture Creation (ENT 402) Capstone course required of all entrepreneurship majors at the end of the program. Students must develop an original idea for a new venture and write a comprehensive business plan for that venture. This integrative course brings together the theory and practice of entrepreneurship. The course focuses on identifying opportunities for a new venture and the process of starting and growing a new business. The business plan will apply key principles
and concepts to real-world situations. ENT major students must participate the New York State Business Plan Competition and other required activities to complete this course to get a final grade during the following spring semester (this required activities apply to ENT majors only, but all are invited to participate). Prerequisites: ENT 401 and Senior Standing. May be used as MGT or MKT elective; Fall only. Instructor: Dr. Ji-Hee Kim.

Entrepreneurship electives offered Fall 2016

Student Startup Accelerator (ENT 102): Student Startup Accelerator is designed to give a boost to students interested in starting their own business by providing them with hands-on experiences and tools for launching a business. Intended primarily for nonbusiness majors but all business majors are invited to have hands-on experiences. It will provide students with a launch pad for beginning a business with steps and resources for doing so. Students will learn about approaches how to refine the business concept from the idea to the entrepreneurial opportunity, to develop the business model for startups including feasibility analysis, customer segments, customer relationships, channels, value propositions, necessary resources, key partners, business activities, cost structure and revenue streams, and will explore the entrepreneurial ecosystems in the community. Students will be introduced and participated in network and entrepreneurial events in the community such as WNY Venture Association Forum, Dig Buffalo, Innovation Center and Incubators, WNY Student2Biz Challenge), SBDC (Small Business Development Centers), and round table with entrepreneurs. This course required a signature to register by instructor and students should have their own business or product development idea. Instructor: Dr. Ji-Hee Kim

Entrepreneurship and Family Business (ENT 311): Provides students with an understanding of key concepts related to and challenges faced by family businesses. Students will learn about ways to foster healthy family businesses through the use of innovative tools and via hands-on learning. The course will explore how the dynamics of a family unit can both help and hinder the success of a business organization. Issues such as mentoring, succession planning and family creeds and councils, and the special problems of family businesses and other closely-held corporations will be explored. Attention will also be devoted to family business planning, effective governance approaches in family businesses, preparing heirs for entry into and management of family firms, and tax and compensation planning. Prerequisites: MGT 101 AND MKT 201 OR ENT 201, Junior standing. May be used as ENT or MGT elective; Fall only. Instructor: Dr. Ji-Hee Kim

Entry Strategies for Emerging Markets (MGT 438)
This course examines global corporate entrepreneurship and the process through which established companies identify, launch, and manage the entry of existing products into geographic markets in which the companies do not currently compete. We will also look at “emerging giants” — entrepreneurial firms in emerging markets that have grown to become multinations. The course examines the differences between emerging markets and mature markets, as well as differences among emerging markets. The objective is to understand how these issues affect business opportunities in different emerging markets and why these efforts often fail. Prerequisites: Econ 101&102, MGT 101. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Steve Molloy
Global Supply-Chain Management (MGT 440) This course examines supply chain management, operations planning, logistics and manufacturing issues and practices in a global context. Based upon course content, the student may take certification course offered by APICS in Basics of Supply Chain Management. Prerequisite: MGT 336 or MGT 325. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Lynn Fish

Ethical Power and Influence for Leaders (MGT 460) Power and influence permeate our everyday lives and are important processes within organizations. Whether it be a company you founded, one you might be working with, or a company you work for, it is vital to understand how power and influence can be used to get things done even if there are barriers in your way. Technical expertise is important, but understanding how to achieve buy-in for your initiatives and goals is vital to your success. This course is about understanding power and influence and learning to use them effectively to achieve your goals. Through self-assessments, you will come to understand your own beliefs and tendencies regarding power and influence. Using this as a starting point, conceptual models are explored to give you real-world approaches in how to use ethical power and influence to become effective leaders. Prerequisites: MGT 101 or approval from instructor. May be used as ENT or MGT elective. Required course in the Human Resource Management minor. Fall only. Instructor: Dr. Robyn Brouer

Doing Business in Latin America (MGT 475) This course is designed to provide an introduction to the Latin American business environment and its impact on management practices. Latin America has resource rich, rapidly developing economies with enormous potential for business. Some Latin American countries have experienced, and still are undergoing, political and economic transformations. This course will help students understand the opportunities and business potential as well as risks of and barriers to doing business in Latin American countries. This course uses cases that focus on managerial aspects relevant to investment, risk management, and Latin America cultural issues. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Ronald Rivas
Environmental Science

Advisement Information

Freshmen:
- Welcome to the program!
- ENV100 will not be offered until the spring semester, please make sure to sign up for it then.
- You should take BIO111, CHM111, a math class, and a First Year Seminar (FYS101). If math is not available, take a core class from Field 3, 4, or 5.
- If you have any questions or just want to stop by and introduce yourself, please stop by my office in 301-A Health Science Building. I’m also available by email at costanz4@canisius.edu

Sophomores:
- Make sure you take BIO211 (I also strongly recommend that you keep your BIO text from BIO111-112, it’s a great reference for upper division courses)
- You should sign up for CHM227
- GEOL120 will not be offered this year, please look for it next fall
- If you have not taken a statistics class yet, you should register for PSY201 or MAT141
- If you have completed BIO111 and 112, you can consider taking 300-level biology classes if they interest you and count for the major (see the list below for juniors and seniors).

Juniors and Seniors:
- If you have not taken BIO320 (Field Ecology), you must take BIO320 this fall, it will not be offered again before you graduate.
- You may take BIO305: Environmental and Pathogenic Microbiology, ECO310: Introduction to GIS, CHM301: Classical Physical Chemistry among other courses if offered as an upper-level electives. We will review all the elective options during your advisement session.
- You may not register for an internship until you have completed the program’s internship application and it has been approved by the committee. You may obtain an internship application packet from Dr. Costanzo or Dr. O’Brien during advisement. Completed internship applications (following approval) must be received by Wednesday May 4th at noon if they are to be considered for work this summer or by August 17th at noon to be considered for the fall. Please remember that completing this process will take about a month!

Please check the web for the schedule of class times and email Dr. Costanzo (costanz4@canisius.edu) if you have any questions.
European Studies Program

“EUROPEANIZE” Your Degree by Adding a Major in European Studies

Build Your Résumé...
- Many Dual-Major, Triple-Major, and Quadruple-Major options
- Enhance your credentials as an Expert on Europe
- Combine with Study Abroad in Europe!

The Major = Ten Courses
- Modern Foreign Language Requirement (216/217 level) or approved equivalent
- Study Abroad Requirement (short-term or semester), along with reflective journal
- At least six of the ten major courses must be taken at the 200 level or higher
- “Gateway” course: PSC 150 OR Field 4 on Europe OR HON on European history
- History & Political Science = 3 courses
  - From HIS, PSC, Classics, the Core Curriculum, Honors, or Study Abroad
- Culture, Literature or Foreign Language = 4 courses
  - From Modern Languages, English, Religion, Fine Arts, Philosophy, Classics, the Core Curriculum, Honors or Study Abroad
- Major Electives = 2 approved courses from any discipline or study abroad

The Minor = Six Courses
- Modern Foreign Language Requirement (reach 217 level) or approved equivalent
- At least three of the six courses must be taken at the 200 level or higher
- “Gateway” course: PSC 150 OR Field 4 on Europe OR HON on European history
- History & Political Science = 2 courses
  - From HIS, PSC, Classics, the Core Curriculum, Honors, or Study Abroad
- Culture, Literature or Foreign Language = 3 courses
  - From Modern Languages, English, Fine Arts, Philosophy, Classics, the Core Curriculum, Honors or Study Abroad

Special Minor for IBUS Students = Six Courses
- Field 4 or Honors course on European History
- PSC 355 European Union (counts as IBUS major elective)
- Major Elective: History, PSC, IBUS, or HON on Europe
  - Could be taken abroad
- Modern European Language to the 216/217 level or higher (two courses)
- Major Elective on European Language, Literature, or Culture (one elective course)
  - Could be taken abroad or as part of the core curriculum
EuroSim Program
- International, Intercollegiate Simulation of the European Union (EU)
  - 190 students from 15 colleges and universities in Europe and the US
  - Next EuroSim: March 2017 at Brockport on EU Energy Policy
- Next trip to Europe will be in January 2018. Cost of the trip is subsidized by the College.
  - Simulation (5 days) and 4-5 others days of travel and touring.
  - Prior participated in EuroSim 2017 & PSC 355 required (Fall 2017).
  - Club meetings will begin in the fall and become weekly in Spring 2017

COURSE HIGHLIGHTS FOR FALL 2016
- Check the College schedule for times, dates and applications to the core curriculum
- Many Study Abroad Courses in Europe count. Some Honors Courses on Europe can count.
- For courses marked with *, contact Program Director for special stipulations/permission.

FRC 103 Introductory French           CLS 103 Greek History
FRC 215 Intermediate French          CLS 206 Mirror of the Past: Greece
FRC 300 Intermediate Internship      HIS 107 History of Europe 1500-1815
FRC 433 French & Francophone Lit.    HIS 213 Twentieth Century Europe
GER 103 Introductory German I        HIS 229 The Violent Century in Film
GER 215 Intermediate German          HIS 299 Historians Craft (Europe)
GER 323 Conversation                 HIS 309 World War One
GER 467 Germany since 1867           FAH 101 Caves, the Colosseum & Cathedrals
ITA 103 Introductory Italian I       FAH 102 Altarpieces, Academies & the Avant-Garde
SPA 103 Introductory Spanish I       FAM 119 Masterpieces of Music
SPA 104 Introductory Spanish II      FAH 224 Medieval Art
SPA 215 Intermediate Spanish         FAH 248 Baroque
SPA 217 Composition                  FAM 216 Medieval and Renaissance Music
SPA 323 Conversation-Spain           FAM 219 Nineteenth Century Music
SPA 453 Almodovar and La Movida     HON 250 Caesar & Christ
PHI 301 Ancient Philosophy           PSC 150 Comparative Government & Politics
ENG 322 Shakespeare I                PSC 452 Politics of Identity in Europe
ENG 306 Eighteenth Century British Lit.

IMPORTANT REMINDER
- For the major, students must complete the required reflective journal based on an approved study abroad experience in Europe.
- Contact the program director NOW for instructions and the template.
- The journal must be completed while you are abroad.

*Consult the Program Director via email:
Dr. John D. Occhipinti<occhipij@canisius.edu>
Professor & Department Chair, Political Science-Lyons 229
Environmental Studies
Department of Sociology, Anthropology and Criminal Justice

Please see the Environmental Studies website for additional information.

- [www.canisius.edu/envstudies](http://www.canisius.edu/envstudies)

**Advising:** Students should check their GriffAudit before scheduling an appointment with Dr. Erin Robinson, and bring a tentative schedule for Fall 2016 to their meeting.

**Fall 2016 courses in Environmental Studies**
*EVST 110 Science of Environmental Problems*
*EVST 250 Nature, Culture, and Interpretation*
*EVST 259 Environmental History  (FORMERLY HIS 259)*

*EVST 498 Environmental Studies Internship*
  Note: If registering for an internship for Fall 2016, you must receive approval prior to the start of the semester to pursue this for academic credit

**Research Methods Options (Choose one of the following)**
*ANT 351 Qualitative Methods*
*SOC 342 Social Research Methods*
*PSC 217 Research Methods*

Students should refer to the listings of the following departments to verify the offerings for courses that count for Environmental Studies, but are offered in different departments.

**Department of Economics**
*ECO 101*
*ECO 310/ ECO 311*

**Department of Religious Studies**
*RST 342*

**Department of Philosophy**
*PHI 244/PHI 2445*

**Department of Biology**
*BIO 116*
*BIO 135*
*BIO 360*

**Department of Communication**
*COM 302*

**Department of Psychology**
*PSY 329*
*Required Course for Major*
Fine Arts Department
Art History Program

Highlights:
FAH 101 is being offered online and in a face-to-face format
FAH224 and FAH248 are being taught for the first time since 2013
FAH267 is being taught online for the first time
FAH481 is a Core Capstone

FAH 101: Caves, the Colosseum, and Cathedrals 3 credits
FAH101 is an introduction to the visual and cultural analysis of major works of art from prehistory through the 14th century in Europe, the Near East, northern Africa, Central and North America. Students may visit area galleries and significant historical sites to expand their appreciation of ancient through Medieval art and architecture. This semester, FAH101 will be taught in two sections, one online and the other in a face-to-face format. (Field 3/Global Awareness)

FAH 102: Altarpieces, Academies, and the Avant-Garde 3 credits
In this course, students are introduced to the visual and cultural analysis of major works of Western art and architecture from the Renaissance through the contemporary moment. FAH102 also includes lectures and discussions of non-western art and architecture from 1300 to today based on each instructor’s experience. Visits to the world famous Albright-Knox Art Gallery and other cultural institutions are an important part of the course’s requirements. There are no pre-requisites for this course. (Field 3/Global Awareness)

FAH 107: Introduction to African and Asian Art 3 credits
The art of Africa, India, Japan and China are central topics covered in FAH107. This course examines works from various time periods, geographic areas, religious orientations and historical circumstances from antiquity to the modern period. (Field 3/Global Awareness)

FAH 224 Medieval Art 3 credits
In FAH224, students investigate the major artistic and architectural works of Early Christian, Byzantine, Islamic, Carolingian, Ottonian, Romanesque and Gothic periods through visual analysis, cultural analysis, and interpretation. (Field 3/Global Awareness)

FAH 248 Baroque Art 3 credits
The visual, cultural and iconographic analysis of painting, sculpture and architecture during the 17th and 18th centuries in France, Italy, England, Spain and the Netherlands will be topics of lectures and discussions in FAH248. The rise of baroque painting and sculpture from late Renaissance and Mannerist styles will be considered as well as artworks by Rembrandt, Bernini, Gentileschi, Girardon, Vermeer, Poussin, and Velázquez. The unique elements of Baroque architecture that distinguish it from Renaissance and Neoclassical buildings will also be discussed. (Field 3/Global Awareness)
FAH 267 Frank Lloyd Wright 3 credits
FAH 267 is an introduction to the influential and iconic work of American architect Frank Lloyd Wright. This course presents his major works and considers American and Modern architecture as a whole. Visits to major Wright buildings in Western New York, such as the Darwin D. Martin House Complex, are a vital component to this course. This will be a 100% online course. (Field 3)

FAH 481 The Art of the Selfie: Self Portraits: A Critical Survey 3 credits
FAH 481 presents an overview of the artistic expressions of portraiture limited to those identified as self-portraits. In an age when one is overwhelmed by images of individuals presenting themselves artfully, we are accustomed to these expressions, and yet, the history of self-portraits brings to bear cultural concerns of identity, social standing, and artistic ability. Beginning with the earliest known self-portraits onward, we will discuss the roles ascribed to self-portraits by artists, their patrons, and the 21st century connoisseur. While works by the most famous self-portraitists Albrecht Dürer, Rembrandt, Vincent van Gogh, and Cindy Sherman will be discussed, we will also explore the use of selfies in contemporary art exhibits at major museums, such as MOMA and lesser known galleries, the Moving Image Contemporary Art Fair in London in 2013, for example. (Seniors only) Core Capstone

Please note: COM 375: Film Classics, a course that can be used to fulfill an elective requirement for the Art History major, is being offered by the Communications Department.
THE DEPARTMENT OF FINE ARTS
MUSIC PROGRAM

Music Major
Music Major with a Music Business Concentration
Music Concentration in the School of Education
Music Minor

Contact: Dr. Richard Falkenstein for advisement and information: 888-2407; falkensr@canisius.edu

Courses Offered Fall 2016

Refer to the Canisius website www.canisius.edu for days and times of courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>Fundamentals of Music</td>
<td>FAM 115</td>
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<tr>
<td>Masterpieces of Music</td>
<td>FAM 119</td>
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<tr>
<td>Canisius and the BPO Experience</td>
<td>FAM 212</td>
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<tr>
<td>Medieval and Renaissance Music</td>
<td>FAM 216</td>
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<tr>
<td>Nineteenth-Century Music</td>
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</tr>
<tr>
<td>Theory III/ Theory III Lab</td>
<td>FAM 330/330L</td>
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<tr>
<td>Music Business I</td>
<td>FAM 360</td>
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<tr>
<td>Senior Seminar</td>
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<tr>
<td>Performance Lessons</td>
<td>FAM 125/126/225/226</td>
</tr>
<tr>
<td>Performance Ensembles</td>
<td>FAM 171, 172, 174, 175 / 181, 182, 184, 185</td>
</tr>
<tr>
<td>Symphony</td>
<td>HON 324</td>
</tr>
</tbody>
</table>

Music majors and minors in the Honors Program may take HON 323 as a music elective.

Music Courses Open to All Students Spring 2015

- Field 3 music history/literature courses: FAM 119, 212, 216, and 219.
- Field 3 music theory courses: FAM 115.
- Honors Fine Arts course: HON 324.
- Service learning courses: Chorale (FAM 171, FAM 181).
- Attribute courses: FAM 119, 212, 216, 219 (Global Awareness).
- Free electives: FAM 125/126/225/226 (lessons), and FAM 181-185 (performance ensembles).

Performance Courses (Lessons and Ensembles) Open to All Students

- A non-major may take a maximum of 8 credits degree credit of FAM 125/225 and ensembles with no more than 6 of these credits in FAM 125/225.
- In addition to the required lessons and ensembles, a music major, with the permission of the chair, may take an additional 8 credits of lessons and/or ensembles for free elective credit.

Vocal and Instrumental Private Lessons

- All levels of experience are welcome.
• FAM 125 & 225 (voice, piano, organ, guitar, harp, strings, woodwinds, brass, percussion, conducting, chamber music). No signature required unless indicated in schedule of courses. Please note there is a fee of $275 per semester for FAM 125 and $550 per semester for FAM 255.
  FAM 125 (1 cr.) = half hour lesson/week.  FAM 225 (2 cr.) = hour lesson/week
• FAM 126 & 226 (voice, piano, organ, guitar, harp, strings, woodwinds, brass, percussion, conducting, chamber music). Music majors, music minors, education majors with a concentration in music, and music scholarship winners may take up to 2 credits of lessons per semester without a fee. Signature of Fine Arts Chair (R. Falkenstein) required.
  FAM 126 (1 cr.) = half hour lesson/week. FAM 226 (2 cr.) = hour lesson/week
• After registering for lessons, the student must email the instructor to arrange individual lesson day and time.

Performing Ensembles
• Students must register for the course; no auditions required.
• Ensembles:
  Chorale: FAM 171, 181  Chamber Orchestra: FAM 174, 184
  Jazz Ensemble: FAM 172, 182  Concert Band: FAM 175, 185
• A student can opt to take music ensemble for 0 or 1 credit (FAM 171, 172, 174, 175 = 0 credit; FAM 181, 182, 184, 185 = 1 credit).

Music Minor
• Total 18 credits.
• Required courses: FAM 115, 119. (Note: If a student has sufficient theory background as demonstrated by a placement test, a music elective may be substituted for FAM 115.)
• FAM literature courses (Choose two): 123, 124, 212, 213, 214, 216, 217, 218, 219, 220, 221 or 222, 224.
• Music electives: Total of six credits of FAM courses, ensembles and/or lessons.
• When offered, DMA 309 and DMA 310 may be taken as music electives in the minor.
• When offered, HON 323 and HON 324 may be taken as music electives by students in the Honors Program.

Music Major

It is important that music majors contact Dr. Richard Falkenstein for advisement! Register for courses as follows.
• Theory: New majors with limited theory register for FAM 115. Other new majors register for FAM 230/230L (fall semester—not offered fall 2016).
• Lessons: FAM 226 (8 credits in the same performance area required)
  o Students following the performance sequence must take an additional 4 semesters of FAM 226.
• Ensemble: FAM 171/181, 172/182, 174/184 or 175/185 (8 semesters in the same ensemble required).
• Students following the History and Literature sequence are strongly urged to take French, German or Italian.
• Vocal performance majors are urged to register for FAM 221, FAM 222, or FAM 255 when offered.
• When offered, HON 323 and HON 324 may be taken as music electives by students in the Honors Program.
• **Music Major with a Music Business Concentration.**
  o For students interested in both music and business, this program combines the Bachelor of Arts Degree Music Major and the Business Minor. Refer to the catalog for the music major requirements and the business minor curriculum.

**Education Majors: Music Concentration**

Students can take music as a concentration in the School of Education Early Childhood, Childhood or Students with Disabilities Programs. (See School of Education requirements.) A music concentration enhances the skills of a classroom teacher but does not count as formal certification in music.

For advisement, students should contact the Chair of Teacher Education and Dr. Richard Falkenstein, music major advisor, at falkensr@canisius.edu, 888-2407.

• **Theory:** Music concentration students need the following theory courses: FAM 115, (offered fall and spring), FAM 230/230L (fall; not offered fall 2016), 240/240L (spring), and 330/330L (fall). A student with sufficient theory background can test out of FAM 115 and substitute another FAM course in its place.
• **Required:** FAM 119 and FAM 210.
• **Music literature, choose one:** FAM 216, 217, 218, 219, 220.
• **Music literature, choose one:** FAM 123, 124, 224.
• **Music elective (1 course):**
Contact: Dr. Richard Falkenstein for advisement and information: 888-2407; falkensr@canisius.edu

The Studio Art Program offers a studio art minor as well as elective and core curriculum courses in studio art. All course offerings will improve students’ formal, conceptual, and technical art making skills.

The minor is comprised of six courses for a total of 18 credits. Three courses are required: Two-Dimensional Design (FAS 110), Drawing I (FAS 120), and Three-Dimensional Design (FAS 130). Three elective courses—in design, drawing, painting, photography, printmaking, sculpture, or the Studio Art capstone—complete the minor.

NB: Studio Art courses often have supplies fees.

Please refer to the college website www.canisius.edu for all days and times of course meetings.

Courses Offered Fall 2016

**Required for Studio Art Minor (Open to All Students)**

FAS 110: Two-Dimensional Design (Field 3) (supplies fee required)

FAS 120: Drawing I (Field 3) (supplies fee required)

FAS 130: Three-Dimensional Design (Field 3) (supplies fee required)

**Electives for Studio Art Minor (Open to All Students)**

FAS 141: Digital Photography (Field 3) (DSLR camera and Adobe Photoshop CC required). This is an online course.

FAS 150: Color (Field 3) (supplies fee required)

**Honors Course**

HON 321: Critical Issues in the History of Photography
First-Year Seminar (FYS)
See the official course schedule on the Web for days and times.

IMPORTANT: Some of the below courses may be identified as “service learning” or “team learning.” Below we have briefly defined these terms for you to make your selection process easier and more interesting.

Service-Learning courses propose the method of learning through experience, as well as material learned in the classroom. There are three components: an academic course; community service and reflection. The service done in the community becomes like a "living text". It is part of the course like every other aspect of the course. Service is required when the course involves service-learning. The same experience may apply to more than one course.

Team Learning differs from other classes in the delivery. Students work in teams of three or four throughout the semester. The teams shift members every five weeks to enable students to work with other classmates. Tests come approximately once every two weeks. Each class has student proctors, in addition to the professor, who work with the teams to discuss assignments. The course work is in the shape of 10 "units." Each unit has a reading and writing assignment, individual questions about the readings, and a unit test. Team members work at the reading assignments and discussion questions individually. In class, team members discuss the materials and, when they feel ready, ask a professor or proctor to discuss the unit with them, answering questions they may still have.

FYS AIDS: Making a Difference
Students will learn about HIV/AIDS both locally and worldwide by reading, writing, and the experience of service learning, devoting ten hours of volunteer service to a local AIDS care/advocacy organization. This course may appeal especially to students in a pre-med program, though students with all majors/interests are welcome!

FYS American Protest Literature
Our theme for the course will be “Protest Literature.” We will be reading essays, speeches, poems, and a novel, and viewing photographs and paintings that challenge institutional power and the status quo. In the first unit of the course, we will examine foundational American protest texts that started many of our most influential and important political movements, like abolition and suffrage. For instance, our class begins with Thoreau’s seminal essay, “Civil Disobedience.” The rest of the class will be devoted to various protest movements, and the class will culminate with students presenting on protest movement.

FYS Countercultural Living
This course will address why and how contemporary Americans live in ways apart from mainstream society. It will begin with a close reading of Henry David Thoreau’s Walden, which has functioned as a handbook for countercultural living for over 150 years. The course will then consider readings that propose unconventional approaches to a variety of topics, among them economics, the use of natural resources, technology, health and nutrition, religion, and community life. Through research, classroom discussion, and writing, students will sharpen and articulate their own countercultural beliefs and practices.

FYS The Four Gospels
“The Four Gospels” will study the four canonical gospels of Christian tradition: Matthew, Mark, Luke, and John. The course focuses on the central figure of the Catholic Jesuit tradition, Jesus Christ, by studying his life and teachings as found in these texts. In studying them, our usual method will be literary analysis; the attempt to understand a text accurately will in turn develop good habits of critical reading and thinking. But we will also pay attention to historical realities and to Christian theology—areas which also help one understand the gospels of the New Testament.

**FYS History’s Mysteries**
Who was Jack the Ripper? Did King Richard III really murder his nephews? What happened to Amelia Earhart? Did Anastasia survive the Russian Revolution? This course will examine these and other “cold cases” from the past. Course materials will include contemporary documents and images, historical and literary accounts, fictional and documentary films, and scientific studies of the physical evidence.

**FYS Human and Animal Communication**
Examines language as an evolutionary biological adaptation and explores the complex relationship between the nature of language and human knowledge. We will consider critical differences between oral and written language and the role language has in our expression and understanding of beliefs, prejudices, ideals, and aspirations.

**FYS The Jesuits, Race, and Gender (Service Learning)**
This course will focus on the Jesuits and their responses to racism, both in recent U.S. history and in earlier times throughout the Americas. In addition, the course will examine the ways in which the Jesuits have responded to patriarchal tendencies and feminism since the Society’s beginning in 1540 C.E. Writing assignments will be given to help students understand the issues raised more seriously.

**FYS Modern Myths and Fairy Tales**
In this course, we will explore the continuing influence of fairy tales and Greek and Roman myths on contemporary literature. We will look for answers to the following questions: Why are these stories, centuries or millennia old, still being told and retold? What role have they played in the evolution of literature and on popular culture? How have they changed in their more recent retellings? How might writers use fairy tale elements in a novels or poems that are not strictly retellings? During our time together, we will consider the cultural contexts of the initial versions of the stories and their more recent retellings.

**FYS Nathaniel Hawthorne: The Sketcher from Salem**
This course centers on the development of academic writing and reading skills. We will focus on the tales and sketches from Nathaniel Hawthorne, who captured the spirit of the American experience--New England style. Students will compare and contrast his themes; they will describe his characters; they will classify his settings and images --- in a word, students will develop their writing skills by examining and employing the traditional rhetorical modes.

**FYS Poverty and the American Dream (Service Learning)**
This course will address questions like the following: What is the history of poverty in the United States? How big an issue is poverty in America today? What is life like for poor people, especially
children and teenagers? What are the most effective ways to address poverty and income inequality? Is America still a country of economic opportunity?

It is important for Canisius students to explore poverty and income inequality in America because these are rising themes in our national discourse and Canisius is a Jesuit institution in a city with a high rate of poverty. The course provides an opportunity for students to reflect on what these neighborhoods represent.

FYS Science and Society
We will read essays that examine the relationship between science and society. Topics include: What is Science?, Science and Human Behavior, Bodies and Genes, Science and the Environment, the Act of Seeing, Images as Reality, and Frontiers of Science. The books for the course will be The World of the Image and Science and Society, which include readings by leading scientists and science writers such as Carl Sagan, Aldo Leopold, Peter Singer, and Barbara Smuts.

FYS Studying Suburbia (Service Learning)
How did the suburbs come to be the most common form of American neighborhood? Is an environmentally-friendly suburb a contradiction in terms? What is the future of suburbia as land resources and fossil fuels become increasingly limited? What can or should be preserved from the suburban experience in the United States? This course examines the American ideal of Suburbia and how suburban life is represented in contemporary literature, film, television and popular culture. Some likely course themes will be the Origins of Suburbia, Suburban Culture, Racial Segregation, Gender Roles, the environmental impact of Sprawl, and prospects for the future.

FYS Teaching for Equity & Social Justice (Service Learning)
Development of writing skills will take place under the content lens of teaching for equity and social justice. This will include readings of primary authors such as Jonathon Kozol, Gloria Ladsen-Billings, David Kobrin, Jacqueline Jordan-Irvine, and Rethinking Education Inc. Students will have the opportunity to evaluate their own experiences against the writing of authors related to issues such as diversity, race, socio-economic status, culture, and gender and the social justice movement that promotes educational and socio-economic equity for all learners in all educational settings. This course includes a school-based service learning component completed during class time at Hamlin Park Elementary School within walking distance from the campus.

FYS Technology and its Social Consequences
The class will consider major changes in how mankind has used technology to better manage our world, but also how these technological changes then reshape the social environments in which we live. We’ll look closely at three periods of rapid technological change which also have had enormous social, cultural, and political consequences: the Industrial Revolution (c. 1900), the emergence of electronic media after World War 2, and, of course, the Internet. We’ll read both fictional and non-fictional selections and write critical and research essays on what has happened and is happening.

FYS Tell Me A Story (Team Learning)
Examines how written and spoken language can be a most powerful skill in college careers, professional lives, and personal worlds. We will work in teams to describe, analyze, interpret, and evaluate what we read in a variety and range of word shapes, including memoirs, essays, speeches, and one instance of historical fiction.
**FYS Writing about Medicine**
This course focuses on personal narratives, fiction, drama, and films representing the viewpoints of physicians, caretakers, and patients, emphasizing their changing social roles and diverse abilities. Students will also write a range of essays, from the personal to the persuasive, revising them into longer, more polished forms of writing. The semester’s final project is an annotated bibliography based on a research question growing out of the course’s readings.

**FYS Writing on Work**
Examines representations of work and workers in nineteenth- and twentieth-century American literature and in contemporary film and television. We study classic depictions of working class life, but the course has a special emphasis on the complicated meaning of office space—the ambiguous "white collar" experience that may shape your professional lives in the future.
The History Department is on Facebook!
If you’re on Facebook, become a “fan” of our page to find out what’s up with the History Department, the History Club, and Phi Alpha Theta!

Advising
History majors should meet with their departmental advisers to obtain PIN numbers and talk about courses for the fall. Office hours for members of the department are posted in the history office. If you’re not sure who your advisor is, or don’t yet have an official advisor, check with Dr. Devereux (devereud@canisius.edu)

Fall Semester Courses
Below is a basic list of the fall course offerings. We have several new courses as noted below. If you’d like a printed copy of the “course descriptions” document, stop by the History Office (CT-615).

CLS 103 Greek History (Europe, pre-1800)
HIS 107 History of Europe 1500-1815 (Europe, Pre-1800)
HIS 109 History of Asia to 1800 (Africa/Asia/Latin America, Pre-1800)
HIS 123 US History to Reconstruction (US, Pre-1800)
HIS 124 US History 1877 to the Present (US)
HIS 126 The American Story: The Later Years (US)
HIS 131 Latin American History to 1830 (Africa/Asia/Latin America, Pre-1800)
HIS 201 US Military History (US)
HIS 213 Twentieth Century Europe (Europe)
HIS 229 The Violent Century in Film (Europe: Asia/Africa/Latin America)
HIS 235 From Jamestown to Yorktown: Making the United States (US, pre-1800)
HIS 254 First Peoples (US, pre-1800)
HIS 260 The Making of Modern Africa (Asia/Africa/Latin America)
*HIS 299 The Historian’s Craft: History Through Literature (Europe)
HIS 306 The American Religious Experience (US)
HIS 309 World War One (Europe)
CLS 311 Alexander the Great (Asia/Africa/Latin America, pre-1800)
*HIS 409 Race in Early America (History Seminar)
HIS 411 Honors Thesis (History Honors Program)
HIS 421 Nature and the Arts of Angling, Restoration and Contemplation (Core Capstone)
HIS 460 The Life and Times of Theodore Roosevelt (Core Capstone)

Which History courses will earn credit in the core curriculum?

Field 4: Courses at the 100 and 200 level (with the exception of HIS 299) satisfy Field 4 requirements in the Core Curriculum. These lower-level courses assume no prior college-level study. 100 level courses are broad surveys which furnish students with a general knowledge of the history and traditions of various regions and periods. 200 level courses are somewhat more specific in approach, focusing on the history of individual nations outside the United States, specific populations, or particular themes.

Field 1: HIS 306

Global Awareness: CLS 103, HIS 107, 109, 131, 213, 260, CLS 311
Diversity: HIS 123, 124, 126, 235, 254
Justice: HIS 201
Advanced Writing Intensive: HIS 299, HIS 411
Oral Communication: HIS 126
Core Capstone: HIS 421, 460

Contact Dr. David Devereux, Chair, X 2763
ALL-COLLEGE HONORS PROGRAM

Overview
The All-College Honors Program is a living & learning community of highly-motivated and high-achieving students who take seminar-style courses and enjoy abundant opportunities for academic stimulation, cultural enrichment, and social interaction. All majors (even triple majors) can complete the program. Honors students may apply for Honors housing in Bosch and Dugan Halls.

Eligibility
Qualified students are typically invited into the All-College Honors Program as they enroll at Canisius, but interested 1st-year students with a 3.5 GPA may petition the Honors director for admission to the program. A small number of non-Honors students with a 3.5 GPA may enroll in Honors courses, provided they contact the director after Honors freshmen have had the opportunity of registering.

Curriculum (12 courses, several of which are interdisciplinary)
English, Western Tradition I & II Fine Arts, History, Literature, Philosophy, Religious Studies (2), Science/Math/Tech, Social Science, Thesis

Honors students may take any numbered Honors course, with the exception that only Juniors & Seniors may take Thesis. The Honors course number does not indicate level of difficulty.

Honors students may receive some Honors credit for qualifying AP/IB/CLEP test scores and, with prior approval, some study-abroad courses. Otherwise, Honors students must take Honors courses to fulfill the Honors curriculum.

Honors students, except those majoring in Education (Early Childhood, Childhood, or Students with Disabilities), must also complete two regular core courses in the same foreign language, unless they receive AP/IB/CLEP or (other) college credit for them. “Foreign language” in Honors refers to American Sign Language, Greek, Latin, and modern languages, e.g., Arabic, Chinese, French, German, Italian, Polish, and Spanish.

Fall 2016     Honors Course Schedule
HON 101      English
HON 110      Western Tradition I
HON 214      Sights & Sounds: The Philosophy of Music and Film*
HON 218      Intellectual History of the West
HON 224      Disease & Medicine in America
HON 226      Religion, Politics & the Presidency*
HON 231      The World since 9/11
HON 233      Education & the Media
HON 250      Caesar & Christ*
HON 321      Critical Issues in the History of Photography
HON 324      The Symphony
HON 350      The Theory of Almost Everything
HON 354      Science in the 21st Century
HON 360      Modern Christianity*
HON 363    The Bible & Popular Culture*
HON 384    American Immigrant Voices*
HON 430    Tutorial+
HON 451    Thesis+

(*new Honors course)
(+requires the Honors director's approval to be registered)

**Coming Attractions**
The All-College Honors Program supports Honors courses with co-curricular activities, such as
tickets for musical or theatrical performances; admission to museums, architectural treasures, and art
galleries; and tours of historic Buffalo. In addition, some Honors instructors organize “Chew &
Chat” sessions with their students.

Honors distributes an online newsletter twice monthly that announces events organized either by
the Honors Program or the Honors Student Association. Typical include theater performances in
Buffalo & Canada, a Lunch & Learn series with local leaders; lectures by nationally-known
professors; symphonic, jazz, and operatic concerts; snow tubing, and a Halloween haunted house;
Thanksgiving dinner, a Christmas party and an annual banquet; and a Travel & Learn trip to a major
city. There are also frequent Honors opportunities for community service.

**Special Features**
Canisius All-College Honors students are eligible for several unique opportunities:
1. The Schoenl Scholarship partially funds Honors students who participate in Campus Ministry-
sponsored service-immersion trips outside the United States.
2. The Schoenl “dire needs” fund supports special projects in Latin America.
3. A new study-abroad opportunity at Scotland’s University of Glasgow, one of the world’s best
institutions of high learning.
4. The annual Jesuit Honors Conference.

**Advisement**
Dr. Bruce Dierenfield, the program’s director, is readily available to help Honors students:
CT 606 or CT 607 (dierenfb@canisius.edu).

For more information on the All-College Honors Program and the Honors courses offered in the
upcoming semester, please refer to the college’s website, as well as the Honors website:
[canisius.edu/honors](http://canisius.edu/honors)
The Human Resource Management Minor

Organizations and employees both benefit when Human Resource Management (HRM) functions are carried out professionally. There is a need for individuals who know how to match what people can bring to the organization with organizational requirements, incentives, and culture. HR management professionals work with employees to help them develop their potential. They also are responsible for monitoring and adjusting workplace policies and practices for fairness and transparency.

Requirements (six courses)

Complete the following three courses:
- MGT 360  Organizational Behavior (offered Fall semester only)
- MGT 364  Human Resource Management (offered Spring semester only)
- ENT 411  Entrepreneurial and Management Leadership Skills (not offered every academic year)

or
- MGT 460  Ethical Power and Influence for Leaders (offered Fall semester only)

Plus three of the following (at least one in COM and one in PSY):
- COM 204  Interpersonal Communication (offered every Fall and Spring semester)
- COM 302  Small Group Communication (not offered every academic year)
- COM 318  Organizational Communication (offered Fall semester only)
- COM 319  Training and Development (offered Spring semester only)
- COM 418  Interviewing (not offered every academic year)
- MGT 307  U.S. Business History (not offered every academic year)
- MGT 367  Employee and Labor Relations (not offered every academic year)
- MGT 464  Current Topics in Human Resource Management (not offered every academic year)
- MGT 493  Internship in Human Resource Management

- PSY 329  Leadership & Motivation (offered Spring semester only)
- PSY 395  Assessment in the Behavioral Sciences (offered Fall semester only)

Students in the HRM minor are expected to become members of the Canisius College Chapter of the Society for Human Resource Management (SHRM) which requires joining the national SHRM organization (shrm.org) as a student member.

Required courses in Human Resource Management Minor offered Fall 2016
- MGT 360  Organizational Behavior (offered Fall only)
- MGT 460  Ethical Power and Influence for Leaders (offered Fall only)

Power and influence permeate our everyday lives and are important processes within organizations. Whether it be a company you founded, one you might be working with, or a company you work for, it is vital to understand how power and influence can be used to get things done even if there are barriers in your way. Technical expertise is important, but understanding how to achieve buy-in for your initiatives and goals is vital to your success. This course is about understanding power and influence and learning to use them effectively to achieve your goals. Through self-assessments, you will come to understand your own beliefs and tendencies regarding power and influence. Using this as a starting point, conceptual models are explored to give you real-world approaches in how to use ethical power and influence to become effective leaders.

Elective courses in Human Resource Management minor offered Fall 2016
- COM 204  Interpersonal Communication
- COM 318  Organizational Communication (offered Fall only)
- MGT 493  Internship in Human Resource Management
- PSY 395  Assessment in the Behavioral Sciences (offered Fall semester only)

Revised 2-29-16

Both our major and minor programs are challenging and exciting. Both provide a strong foundation for systems analysis, application development and computer networking, security, forensics, or Web-based jobs in business, organizations, and government agencies, all of which depend on their information systems, networks, and wireless devices. In fact, it is difficult to find jobs in the business world where information technology skills are not needed. Virtually every business or management organization in the private and public sectors depend on workers who have strong technology skills. The Internet has provided many new opportunities and markets for businesses, but to make good decisions and to operate organizations efficiently requires talented and skilled information system professionals. We recently merged information systems with the marketing major and are offering a dual major and an IS Minor where students can increase their marketability, gain technology skills and help organizations to be more effective in meeting customer demands. For more information on the information systems major please visit: http://www.canisius.edu/mcis/ and for information on the courses required for the new dual major in Information Systems & Marketing, please scroll down further.

Note: The Information Systems major is NOT accepting new students. We are transitioning the major to a minor. Students who are currently in the Information Systems major will have classes offered through spring 2018 necessary for graduation. The major will likely return to accepting new students in the future, after the transition period.

Advisement (Important: We are NOT accepting new majors in Information Systems)
In order to register for fall 2016 courses, students need to acquire their PIN numbers at least one week prior to registration. Do not wait until the last minute. This could delay your ability to register on time. Students should use the College Griff Audit system in conjunction with the program course checklist and the information below to determine what classes they should be enrolling in for the fall 2016 semester. In order to obtain your PIN number from the department office (Churchill Tower-516), you will be asked to sign a form indicating that you have carefully reviewed both your Griff Audit and the program checklist prior to receiving your PIN number. PIN numbers are generally available Monday through Friday, between the hours of 8:30 am to 12:00 pm.
You may also receive your PIN number in Tower 504 on Monday, 10am – 3pm, Tuesday, 10am – 2pm, Wednesday, 11am – 5pm, Thursday, 11am – 2 pm, and Friday 2 – 4pm in Tower 504 with Ms. Hetal Patel; and Friday 12-4pm in Tower 516. PIN numbers will not be emailed or given over the phone, so please make arrangements to visit the department office a week prior to your registration date.
If you have questions about course selection after you have reviewed your Griff Audit and the program checklist, see your department advisor. A list of advisor assignments will be emailed to you and will also be listed outside the department office (CT-516). For general queries, see the department chair, Dr. Edward Garrity, email: garrity@canisius.edu.
Fall 2016, Required Courses Offered:

ISB 340, Data Management
(Note: ECommerce in Spring 2016, prereq. is ISB 340)
ISB 350, Networking (formerly ISB 451)

And,

Information Systems Elective courses offered in Fall 2016:

Elective courses offered in Fall 2016:

Digital Marketing (MKT 350, course was previously MKT 450): This course aims to provide students with insight on how modern industry is adopting new emerging media and technologies as marketing tools. In this course, many innovative and evolutionary technologies/media will be introduced, such as blogs, mobile media, in-game advertising, virtual reality, hologram, touchscreen, social media, information kiosks in retail settings, including evolved formats of traditional media (e.g., 3-D TV, HD radio, digital outdoor media). This course includes e-buyer behavior, theoretical understanding, and case studies describing how diverse new media/technologies are adopted in business. In addition, this course will deal with ethical issues that can be found in the adoption of these diverse emerging media from the perspectives of both consumers and practitioners. The ultimate goal of this course is to familiarize students with the vocabulary/concepts, to teach practical knowledge from actual examples of technological adoptions, and finally to provide students with more future-oriented perspectives in understanding marketing strategies. (Counts as MKT and IS elective for dual majors)

Prerequisite: MKT 201. Instructor: Mr. Devon Sprague. Important note: This class is required only for those students who have entered in Fall 2015 and beyond. If you have taken MKT 450 you cannot take MKT 350 again for credit.

Special Topics in Digital Marketing: Marketing Data Analytics (MKT 371): This elective course will be offered in Fall 2016, and will cover Marketing Data Analytics (cross-listed as ISB 440). With the explosion of data available to marketers, an explosion in unmet job demand exists for those who are educated in the art and science of analytics and presentation (storytelling with data). This course takes you through fundamental methods of collecting & analyzing data, culminating with hands-on experience finding and crafting your story using popular and readily available dashboard & data visualization tools. Prerequisite: MKT 201. Instructor: Mr. Steve Czajkowski, VP Operations, Focused Marketing Associates; Stay tuned, you won’t want to miss this class! (counts for IS elective). This course will cover techniques in the field of data analytics. Students will discover relationships in marketing data using various data analysis tools.

Special Topics in Marketing: IT Tools & Supply Chains (MKT 399): This elective course will be offered in Fall 2016. Prerequisite: MKT 201 Instructor: Mr. James Moore, Director of Global IT, Praxair. An excellent class for marketing or information systems students! This elective course will be offered in Fall 2016. Students will examine supply chains using IT analysis tools. (counts for IS elective).
Information Systems MAJOR

Required courses and semesters they are typically offered:

- **ISB 205** Management Software [not offered] (formerly ISB 215)
- **ISB 211** Visual Programming [Spring, not offered]
- **ISB 340** Data Management [Fall 2016]
- **ISB 350** Networking [Fall 2016] (formerly ISB 451)
- **ISB 455** E-Commerce [Spring]
- **ISB 475** Systems Analysis & Design [Spring] (formerly ISB 351)
- Two (2) IS electives from the list below
- **ISB 302** Sustainability & System Dynamics [not offered this Fall] (formerly ISB 202) (Field 5 of Core Curriculum, & Justice attribute)
- **ISB 440** Marketing Data Analytics [offered this Fall 2016]
- **ISB 460** Computer Forensics [Spring]
- **ISB 470** Cyber Security [summer, not offered this Fall]
- **ISB 496** Internship [Fall, Spring, Summer]
- **MKT 370** Special Topics in Digital Marketing and Social Media
- **MKT 350** Digital Marketing (formerly MKT 450)

Note: Advisement checklists are listed below, please scroll down:
**Information Systems ADVISEMENT SHEET**  
**Department of Marketing & Information Systems**  
**Class of 2011 and Beyond**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>___ FYS 101 Freshman Year Seminar</td>
<td>___ ENG 101 English Seminar I</td>
</tr>
</tbody>
</table>
| ___ MAT105 OR MAT 115 OR MAT 111 | ___ MAT 106 OR Arts and Science Elective  
IF MAT 115/111 |
| ___ ECO 101 Principles of Macroeconomics (field #5) | ___ ECO 102 Principles of Microeconomics |
| ___ RST 101 Intro to Religious Studies | ___ ISB 101 Management Technology |
| ___ Business International Requirement (language or approved Regional studies 1) | ___ Business International Requirement (language or approved Regional studies 2) |
| | |
| **SOPHOMORE YEAR** | |
| ___ ISB 205 Management Software (ISB 101) | ___ ISB 211 Visual Programming for Business |
| ___ ACC 201 Financial Accounting | ___ ACC 202 Managerial Accounting |
| ___ History Field of Knowledge 4 | ___ Field of Knowledge, Arts |
| ___ ECO 255 Business Statistics I | ___ ECO 256 Business Statistics II |
| ___ PHI 101 Intro to Philosophy | ___ MGT 101 Introduction to Management |
| | |
| **JUNIOR YEAR** | |
| ___ ISB340 Data Management | ___ ISB Elective |
| ___ FIN 201, Introduction to Finance | ___ MGT 325 Operations Analysis |
| ___ Field of Knowledge, Science | ___ A&S Elective |
| ___ Field of Knowledge, Religion | ___ Field of Knowledge Philosophy (Ethics**) |
| ___ MKT 201 Principles of Marketing | ___ MGT 370 Managerial Environment |
| | |
| **SENIOR YEAR** | |
| ___ ISB 350 Networking (ISB 205) | ___ ISB 475 Systems Analysis and Design |
| ___ A&S Elective | ___ ISB 455 eCommerce (ISB 340) |
| ___ Core Capstone | ___ ISB Elective |
| ___ A&S Elective | ___ MGT 446 Managerial Policy/Strategy |
| ___ A&S Elective | ___ Free Elective |

**ATTRIBUTES**  
Can be fulfilled using a variety of courses including Field of Knowledge courses and electives with attribute designation  

| Justice | ISB 302 satisfies this requirement |
| Ethics |  |
| Diversity |  |
| Global Awareness |  |
| **Advanced Writing Intensive** | Must be at the 200-level or above |
| **Oral Communication Skills** |  |
# Marketing/Information Systems dual Major

## Department of Marketing & Information Systems

### Class of 2011 and Beyond

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td><strong>FRESHMAN YEAR</strong></td>
<td><strong>SOPHOMORE YEAR</strong></td>
</tr>
<tr>
<td>___ FYS 101 Freshman Year Seminar</td>
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<tr>
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<tr>
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<tr>
<td>___ MAT 106 OR Arts and Science Elective</td>
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<tr>
<td>___ RST 101 Intro to Religious Studies</td>
<td>___ ECO 102 Principles of Microeconomics</td>
</tr>
<tr>
<td>___ ECO 101 Principles of Macroeconomic (field #5)</td>
<td></td>
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<tr>
<td>___ ISB 101 Management Technology</td>
<td>___ MGT 101 Introduction to Management</td>
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</tbody>
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<tr>
<th><strong>JUNIOR YEAR</strong></th>
<th><strong>SENIOR YEAR</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>___ MKT 201 Principles of Marketing</td>
<td>___ Summer Session, A &amp; S elective</td>
</tr>
<tr>
<td>___ ACC 201 Financial Accounting</td>
<td></td>
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<tr>
<td>___ ISB 205 Management Software (ISB 101)</td>
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<tr>
<td>___ Summer Session, A &amp; S elective</td>
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<tr>
<td>___ ECO 255 Business Statistics I</td>
<td>___ MKT 401 Marketing Cases</td>
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<tr>
<td>___ Business International Requirement (Language or Approved Regional Studies)</td>
<td>___ MKT 331 Market Research</td>
</tr>
<tr>
<td>___ ISB340 Data Management</td>
<td>___ MKT 475 International Marketing</td>
</tr>
<tr>
<td>___ Natural Science Field of Knowledge 6</td>
<td>___ History Field of Knowledge 4</td>
</tr>
<tr>
<td>___ Religious Studies Field of Knowledge 1</td>
<td>___ Philosophy Field of Knowledge 2, Ethics**</td>
</tr>
<tr>
<td>___ ISB340 Data Management</td>
<td>___ ISB 455 ECommerce (ISB 340)</td>
</tr>
</tbody>
</table>

1. **Note:** The Information Systems major is NOT accepting new students. We are transitioning the major to a minor. Students who are currently in the Information Systems major will have classes offered through spring 2018 necessary for graduation. The major will likely return to accepting new students in the future, after the transition period.
### ATTRIBUTES

<table>
<thead>
<tr>
<th></th>
<th>Can be fulfilled using a variety of courses including Field of Knowledge courses and electives with attribute designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justice</td>
<td>A&amp;S course, or <strong>ISB 302</strong></td>
</tr>
<tr>
<td>Ethics</td>
<td>Field of Knowledge 2 suggested</td>
</tr>
<tr>
<td>Diversity</td>
<td></td>
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<tr>
<td>Global Awareness</td>
<td>MKT475 will satisfy this requirement.</td>
</tr>
<tr>
<td>Advanced Writing</td>
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<tr>
<td>Intensive</td>
<td>Must be at the 200-level or above</td>
</tr>
<tr>
<td>Oral Communication Skills</td>
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- **Ethics** required of all students
- Note: All students must complete a total of 60 hours of Arts and Science courses. We strongly recommend that all students run a Griff Audit to check for this and any other additional requirements.

### New Minor in Information Systems,
Optionally effective Fall 2015 and beyond

ISB 101, Management Technology
ISB 205, Data Visualization & Project Management
ISB 340, Data Management
ISB 360, Decision Support Systems*
ISB 440, Marketing Data Analytics
In addition, students may substitute ISB 350 Security and Networking**, ISB 455 Ecommerce or ISB 460, Computer Forensics for one of the courses above.

* Decision Support Systems is a new class covering the building of interactive decision and data analytic systems (planned for 2017).

### Information Systems Minor

#### Computer Forensics Minor
(***Current minors, see below**)

<table>
<thead>
<tr>
<th>Information Systems</th>
<th>Computer Forensics</th>
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<tbody>
<tr>
<td><strong>Current MINOR</strong></td>
<td><strong>MINOR</strong></td>
</tr>
<tr>
<td>5 COURSES</td>
<td>5 COURSES + AN APPROVED ETHICS COURSE</td>
</tr>
<tr>
<td>1. ISB 205 OR ISB 211</td>
<td>CRJ 227 (PSC 227) Criminal Justice I</td>
</tr>
<tr>
<td>2. ISB 340</td>
<td>CRJ 228 (PSC 228) Criminal Justice II</td>
</tr>
<tr>
<td>Plus 3 of the following courses</td>
<td>ISB 350 (Fall)</td>
</tr>
<tr>
<td>• ISB 350</td>
<td>ISB 460 (Spring)</td>
</tr>
<tr>
<td>• Any ISB electives (except ISB 496)</td>
<td>ISB 470 (Fall normally; Summer 2015)</td>
</tr>
</tbody>
</table>
ADVISING
Ms. Laura McEwen, Assistant Dean, 888-2142 | mcewenl@canisius.edu
Dr. Greg Wood, Associate Dean, 888-2856 | Bagen 103, gwood@canisius.edu
General information: Mrs. Norma Jolls, 888-2215 | Tower 516
Ms. Hetal Patel, Program Advisor, 888-2685 | Tower 504, patelh@canisius.edu
Dr. Edward Garrity, Marketing & Information Systems Dept. Chair, 888-2267 | Tower 501, garrity@canisius.edu
International Business

Courses for International Business Majors for Fall 2016. The IBUS 301 and any of the Management elective courses can also be used to fulfill the requirements of the International Management Minor.

Core Courses:

- IBUS 301 Fundamentals of International Business
- ECO 465 International Banking

Elective Courses:

- MGT 438 Entry Strategies for Emerging Markets
- MGT 440 Global Supply-Chain Management
- MGT 475 Doing Business in Latin America
- MGT 380 International Business Seminar
- PSC 241 Human Rights and Globalization

Suggested International Core Capstone

- PSC 452 European Identity

Please remember that all International Business majors must complete a language through the 216/217 level. Make sure you are registered for the correct course. If you have any questions about course offerings, call Dr. Reitsma at ext. 2408.

You also must have a study abroad experience. If you have not done this yet, please check with Brian Smith’s office at ext. 2784.

Many of you are also dual majoring with another Business major, Modern Languages, Latin American Studies, International Relations or European Studies. Keep in close contact with Laura McEwen for Business, Dr. Reitsma for Modern Languages, Dr. Fajardo-Heyward for LAS, Dr. DiCicco for International Relations, and Dr. Occhipinti European Studies to be sure you are taking all the correct classes for both majors. You can reach Laura McEwen at ext. 2142, Dr. Reitsma at ext. 2408, Dr. Fajardo-Heyward at ext. 2601, Dr. DiCicco at ext. 2697 and Dr. Occhipinti at ext. 2799.

For all questions about internships, independent studies or scheduling, please call Dr. Snodgrass at ext. 2607.
INTERNATIONAL RELATIONS

Below you will find information on advisement and required courses, international experience, major electives, dual majors, and extracurricular activities for students majoring and minoring in International Relations. Please use the myCanisius portal to access the days and times for specific courses. For course descriptions and additional information please consult the Undergraduate Catalog and the relevant Departments’ pages in the Fall 2016 Advisement Guide.

**Advisement and Courses Required of International Relations Majors**

Dr. Jonathan M. DiCicco, Program Director, will be available in Lyons 224 for advisement and distribution of registration PINs. Please sign up for an advising appointment by going to his mobile-friendly website (www.jondicicco.com) and clicking on the SignUpGenius link. Unscheduled drop-ins are not recommended.

For advice and consultation, Dr. DiCicco may also be contacted by email at diciccoj@canisius.edu. Please provide detailed information about outstanding requirements, anticipated courses, and how they will satisfy those requirements, and allow ample time for Dr. DiCicco to consider your situation and respond to your inquiry. If you wish to be advised by another member of the IR faculty, please keep Dr. DiCicco apprised of your academic consultations and plans.

**Requirements of all majors** (see Catalog for details; see Dr. DiCicco for checklist)

- Modern foreign language through the 216/217 level, plus at least one 300+ level course
- History Sequence (two courses as specified in Catalog: Asia, Europe, or Latin America)
- **PSC 140 and PSC 150**
- **HIS 300** or equivalent
- American Foreign Relations (**PSC 245** or **HIS 399**)
- **ECO 101 Principles of Macroeconomics***
- International Business course (300 or 400 level)
- **PSC 442 Seminar in International Relations** (for seniors; offered only in Spring)
- Seven (7) major electives, including up to two courses designated as World Culture electives
- **International education experience**: Study Abroad semester strongly recommended

* Majors contemplating graduate study in IR are urged to take Microeconomics as well, though it is not required for IR, and for most students it will count only as a free elective.

**Fall 2016 Bulletins**

**Graduating Seniors:** All IR majors need to complete **HIS 300 Historical Geography** or an approved equivalent. If you have not yet taken HIS 300 you should plan to take it during the Spring 2017 semester (it is not offered this fall). If this is problematic, please email Dr. DiCicco (diciccoj@canisius.edu) before registration so that a suitable alternative may be identified and approved by the Director in your case. Also: all IR majors need to complete the American Foreign Relations requirement (either **HIS 399** or **PSC 245**). If you have not yet completed this requirement you should consider taking **PSC 245 American Foreign Policy** during the Fall 2016 semester to ensure timely completion of the requirement.
NOTE: Political Science/IR dual majors must complete both PSC 442 Seminar in International Relations and PSC 401 Political Science Capstone. PSC 401 is a one-credit capstone for the Political Science major. PSC 442 is a requirement of the IR major and also serves as a Core Capstone (a requirement of the Core Curriculum).

All freshmen and sophomores who have not yet taken PSC 140 Introduction to International Relations must enroll in this course in Fall 2016. If you have already taken this course or for some reason are unable to take PSC 140, then it is highly recommended that you take PSC 150 Introduction to Comparative Government and Politics.

If you have not yet completed your two-course regional history sequence, please note that the following courses will be offered in Fall 2016:

- HIS 107 History of Europe 1500–1815 (companion course to HIS 108)
- HIS 109 History of Asia to 1800 (companion course to HIS 110)
- HIS 131 Latin American History to 1830 (companion course to HIS 132)
- HIS 213 Twentieth Century Europe (this course may be applied in lieu of HIS 108 only; if so applied, then it may not double-count as an IR major elective)

IBUS 301, MGT 438, MGT 440, or MGT 475 may be taken to satisfy the major requirement for a 300-level or 400-level course in International Business. These courses may carry prerequisites. If you do not have the necessary prerequisites, contact the instructor of the course directly to politely inquire about your prospects of registering for and succeeding in that particular course. Note: if you use one of these courses to fulfill your International Business requirement, you may not double-count the course as an IR elective.

The Department of Modern Languages, Literatures, and Cultures (DMLLC) is offering courses that may be applied toward the language requirements for International Relations:

- FRC 103 Introductory French I, FRC 215 Intermediate French, FRC 300 Intermediate Internship, FRC 323 Topics in Conversation I, and FRC upper-level elective (see World Culture electives);
- GER 103 Elementary German I, GER 215 Intermediate German I, GER 323 Topics in Conversation I, and GER upper-level elective (see World Culture electives);
- SPA 103 and SPA 104 Introductory Spanish, SPA 215 and SPA 217 Intermediate Spanish, SPA 323 Spanish Culture and Civilization, and SPA upper-level elective (see World Culture electives);
- ARBC 103 Introductory Arabic, ARBC 215, and ARBC 323;
- Introductory Chinese, Italian, and Portuguese are offered, but these are NOT recommended for fulfillment of IR major requirements.

Some upper level courses in FRC, GER, and SPA may be counted as World Culture electives for the IR major (see “IR World Culture Electives, Fall 2016” below).

**International Educational Experience**

A significant international educational experience is required of International Relations majors, and a semester’s Study Abroad is strongly recommended to fulfill this requirement. As a general rule, up to three (3) courses from a semester’s Study Abroad may qualify as International Relations major
electives, subject to approval by the Program Director in conjunction with the Associate Dean. In cases of a full year's Study Abroad, a sum total of four (4) such courses may qualify as International Relations major electives, again, subject to approval. Students anticipating a Study Abroad experience should speak with the Program Director well in advance to allow for proper planning and preparation. Students interested in Study Abroad should contact the Office of International Partnerships & Study Abroad at 716-888-2785 or stabroad@canisius.edu. A current list of Study Abroad locations is available online at [http://www.canisius.edu/study-abroad/locations/](http://www.canisius.edu/study-abroad/locations/). Students interested in Study Abroad in Fall 2016 or Spring 2017 should have already applied through the Study Abroad office. If you have not, please contact Director Brian Smith as soon as possible.

**International Relations Electives**

**IR MAJOR ELECTIVES:** Students pursuing a major or minor in International Relations should choose their IR electives from the following list of courses. **NOTE:** Courses within the major may **NOT** "double-count" for multiple requirements. For example, if HIS 213 is taken to satisfy the History Sequence requirement, it may not be double-counted as a major elective (similarly, PSC 245 may be applied as an IR major elective **OR** as fulfilling the IR American Foreign Relations requirement, but not both). This restriction does not affect courses’ eligibility to count simultaneously toward multiple majors or to both major and Core Curriculum requirements.

**International Relations Major Electives, Fall 2016**

- **ECO 465 International Banking** (most appropriate for IBUS dual majors)
- **HIS 213 Twentieth Century Europe** (Dr. Maddox)
- **HIS 229 The Violent Century in Film** (Dr. Maddox)
- **HIS 280 The Making of Modern Africa** (Dr. Devereux)
- **HIS 309 World War One** (Dr. Gibert)
- **HON 231 War and Peace after 9/11** (Dr. Occhipinti)
- **IBUS 301 Fundamentals of International Business** (Dr. Snodgrass)
- **MGT 438 Entry Strategies for Emerging Markets** (Dr. Molloy)
- **MGT 440 Global Supply-Chain Management** (recommended only for adv. IBUS dual majors)
- **MGT 475 Doing Business in Latin America** (Dr. Rivas; prerequisites/permission needed)
- **PSC 241 Human Rights and Globalization** (Dr. Fajardo-Heyward*)
- **PSC 245 American Foreign Policy** (Dr. DiCicco)
- **PSC 346 National Security Council** (Dr. DiCicco; prerequisites needed)
- **PSC 370 Domestic Conflicts and Peace** (Dr. Fajardo-Heyward*)
- **PSC 452 Politics of Identity in Europe** (Dr. Occhipinti; also a Core Capstone)

*Note: Dr. Fajardo-Heyward’s courses in Fall 2016 likely will be hybrid courses with online portions during the opening weeks of the semester.

**WORLD CULTURES ELECTIVES:** International Relations majors are encouraged to take free electives outside the IR major and to satisfy their Core Curriculum requirements by taking courses that provide a cultural dimension to the study of international relations. If so designated, these courses may also be counted as World Cultures electives in the International Relations major. Recall that no more than two such courses may count as major electives. Courses recommended for this purpose are:
IR World Cultures Electives, Fall 2016

ENG 450 Globalization and Literature (Dr. Gregorek; ENG Senior Capstone course)
FRC 433 Survey of French and Francophone Literatures (Dr. Angelini; FRC Elective)
GER 467 Germany Since 1871: Political System and Form of Government (Dr. Boehm; GER Elective)
RST 224 Islam: Tradition and Revival
SPA 453 Almodovar and La Movida (SPA Elective)

Dual Majors

Students with an International Relations major and adequate free electives may add a dual major. Common choices include History, Modern Language (FRC, GER, or SPA), Political Science, and International Business; common co-majors include European Studies and Latin American Studies. If you wish to add a dual major, be sure to:

1. Check with the chair/director of each academic program (bring a fresh GriffAudit);
2. Declare your dual major using the Majors & Minors Declaration Form; and
3. Exercise good judgment when selecting courses to make progress in your majors.

Latin American Studies is now available as a dual major with International Relations! Please check the program website for details and requirements (http://www.canisius.edu/latin-american/courses/) before inquiring with Program Director Dr. Paola Fajardo-Heyward (fajardop@canisius.edu) about adding this co-major.

Extra- and Co-Curricular Activities for IR Majors and Minors

Model United Nations Diplomacy Organization (MUNDO) conducts simulations of diplomacy and UN deliberations and other related activities.

- Organization and staffing of the 38th Annual High School Model United Nations Conference at Canisius College, Fall 2016
- Intercollegiate Model United Nations conferences, 2016-2017 – contact MUNDO e-board
- Find us on GriffLink and on Facebook! Also, join the “Canisius College Model UN Then & Now” group on Facebook to have a connection to graduates with Model UN experience.

Peace Action-New York State, Canisius College Chapter is our newest club! This organization sponsors and runs a wide variety of consciousness-raising—and conscience-raising—events dealing with international human rights and humanitarian issues related to social justice and peace.

- Find us on GriffLink and on Facebook, or contact Alie Iwanenko (iwanenka@canisius.edu) for more information.

International Affairs Society (IAS)

- This organization is currently dormant. E-board officers are needed to revitalize it! The club’s constitutional purpose is stated broadly enough to permit a range of interests and activities to be accommodated, depending on where student leaders want to take things. Contact Dr. DiCicco if you’re interested in serving as a leader.
Connect with International Relations on Facebook (GriffIntReIs) and Twitter (@CanisiusIR)!
The Communication Studies Department’s major in journalism is dedicated to the idea that journalism is a public trust essential to a free society and a democratic form of government. In addition, journalism can and should be a tool for social change and social justice. Students majoring in Journalism at Canisius think critically and exercise their consciences in service of the truth and the greater good; go beyond merely gathering and conveying facts to making sense of them; report creatively and thoroughly, in anticipation of telling stories across platforms; and take all necessary measures to make every story they do as interesting as possible. The Bachelor of Science degree in journalism prepares students to be multimedia journalists in every sense of the word, including print, broadcast, online, and mobile; to think visually and graphically; and to use social media to help tell and promote stories and connect with new generations of media consumers.

The Journalism curriculum includes some courses in Communication Studies and Digital Media Arts. Journalism courses, and those courses accepted in the Journalism major that are offered in Fall 2016 are listed below. Details about degree requirements, dual majors, internships, faculty and communication-related clubs, as well as a faculty directory, can be found in the department’s “Communication Studies Handbook,” which is available in the department office, Lyons Hall Room 314, and on the Journalism page of the Canisius College website: http://www.canisius.edu/journalism.

Advisement
In order to register for Fall 2016 courses, students must meet with their advisors to discuss proposed class schedules and receive a PIN number. Students should do this at least a week before the opening of their registration window.

Students may ascertain who their advisors are by checking one of the following: the master list posted in the hallway near Lyons 314; the doors of professors in the department, each of which bears a posted advisee list; or the department’s website. (Click on the word “Students.”)

For general queries, please contact department chair, Dr. John Dahlberg (dahlberj@canisius.edu).

Journalism majors are encouraged to register for at least one required course (please see “Required Courses” list below) each semester until all are completed.

The following departmental Fall 2016 courses fulfill requirements in the core curriculum as noted:

- COM 201: Oral Communication attribute
- COM 203: Advanced Writing-intensive attribute
- COM 204: Field 5 – Social Sciences
- COM 205: Field 5 – Social Sciences
- COM 414: Core Capstone
Facilities
Up-to-date software and computers are available to students in four labs in Lyons Hall. Also available to students are digital video-editing stations, an audio/music production studio and a television studio/control room, all on the 4th floor of Lyons Hall, and the new live sports production facility in Science Hall. The television studio has been upgraded to HD, and students have access to HD equipment for sign-out from the Media Center, also on the 4th floor of Lyons.

Internships
Qualified junior and senior majors may apply for an internship. For further information, please refer to the handbook or the website and/or see Dr. Barbara Irwin, director of the internship program.

Contacts
Dr. S. Catherine Foster, director of the Journalism program: foster31@canisius.edu
Dr. John Dahlberg, chair of the Communication Studies Department: dahlberj@canisius.edu

Journalism Course Offerings for Fall 2016

Required Courses
- COM 203 Writing for the Public Media
- JRN 100 Introduction to Journalism
- JRN 201 Advanced Multimedia Storytelling
- JRN 310 Journalism

Elective Courses
- COM 359 Communication & Sports
- JRN 311 Advanced Journalism/Investigative Reporting
- JRN 342 Narrative Journalism
- JRN 358 Sports Field Production I
- JRN 359 Sports Field Production II
- JRN 380 Special Topics/Play-by-Play Announcing

(For days and times of these courses, please refer to listings on the college’s web site.)

Fall 2016 Course Descriptions

COM 203 Writing for the Public Media
Intensive writing assignments employing message-design principles provide opportunities to prepare news, features, press releases, advertising copy and opinion pieces.

JRN 100 Introduction to Journalism
The course is designed to develop a sound fundamental understanding of the development, theories and practice of journalism and its role in society.

JRN 201 Advanced Multimedia Storytelling
Expands on digital systems and technologies as they apply to journalism. Through class lecture and hands-on approaches, students will learn software and hardware used for journalistic applications of web design, multimedia, video production, graphics and audio production.
JRN 310  Journalism
Introduction to the principles and practices of a working newsroom. Students practice reporting news and information across a variety of platforms.

COM 359  Communication and Sports
Why do so many people enjoy playing, watching, and talking about sports? This course examines the significance of interpersonal communication in the context of sports. Communication interactions between coaches and athletes, athletes and teammates, coaches and parents, and parents and athletes are explored.

JRN 311 Advanced Journalism/Investigative Reporting
Using the principles and practices of journalism to uncover and report on complex issues in the public interest.

JRN 342 Narrative Journalism
The advanced study and practice of long-form, literary-influenced journalism, from magazines and nonfiction books to cross-platform, online media outlets. Students explore methods of conceptualizing, reporting, researching and writing narrative journalism.

JRN 358 Sports Field Production I/JRN 359 Sports Field Production II
This course provides hands on experience in the production, direction, and editing of live sporting events (basketball, baseball, softball, etc.). Students will learn camera operation, digital switching, instant video replay, floor direction, and digital editing. Pre-requisite for JRN 359: JRN 358.

JRN 380 Special Topics/Play-by-Play Announcing
Learn how to plan, research, write and deliver sports broadcasting.
DEPARTMENT OF KINESIOLOGY

ATHLETIC TRAINING MAJOR

Undergraduate

Please note that all practicums and major courses must be followed in sequence. Registration information on specific courses may be accessed via the College Web Academic Registration site. Specific undergraduate program information may be accessed at http://www.canisius.edu/athletic-training-sports-medicine/.

Undergraduate academic advisement is available through the Department of Kinesiology office (888-2960).

Transfer students should meet with Mr. Koehneke (888-2954) before registering.

ATH 309, Pathology and Pharmacology will be offered in the Fall of 2016. All students planning to graduate in 2017 or 2018 must complete the course in the fall semester of 2016 as it will not be offered in 2017.

A minor, Strength and Conditioning, is available. See information under the Health and Wellness program for more information.

Seniors wishing to pursue a Master’s degree in Health & Human Performance or another Office of Professional Studies program should contact Dr. Dennis Koch at 888-8292 for information and advisement.

HEALTH AND WELLNESS MAJOR

STRENGTH AND CONDITIONING MINOR

Undergraduate

Course prefix changes:
- HHP 235 is now KIN 235
- HHP 336/L is now KIN 336/L
- HHP 350 is now KIN 350
- HHP 498 is now KIN 498

KIN 498 Internship in Health and Wellness is 6 credits and a minimum of 240 hours.

Course prerequisite changes:
- HED 337 has a prerequisite of HED 205 in addition to BIO 114/L.
- KIN 336/L has a prerequisite of BIO 115/L and HHP/KIN 235.
• KIN 498 now has the following prerequisites: KIN 336+lab, HED 337, HED 115, HED 220, HED 425, KIN 498 Internship in Health and Wellness may be taken the second to last or last semester of the program of study. Students should plan to apply for the internship one semester before the internship semester. See Dr. Pelitera (pelitera@canisius.edu) for more information.

**Strength and Conditioning Minor**

The minor is available to all majors. The Strength and Conditioning minor provides an option for students interested in performance training, strength training, personal training and health and physical fitness careers, as well as for students interested in graduate school. The minor prepares students for specialty certifications through the American College of Sports Medicine (ACSM) and/or the National Strength and Conditioning Association (NSCA). Students interested in the Strength and Conditioning minor at Canisius College must meet minimum qualifications. Admission to the strength and conditioning minor is based on skills and knowledge competencies acquired in BIO 114, BIO 115, and KIN 235. Each course must be completed with a grade of C (2.0) or higher. The applicant must attain a minimum C (2.3) cumulative G.P.A. in these three courses and an overall college G.P.A. of C (2.0) or higher. Majors from other departments are eligible for selection by meeting the above requirements. Pending qualifications, the minor may be declared following enrollment in KIN 235.

**Strength and Conditioning Minor Courses**

BIO 114/L Human Biology and Lab (4 cr)
BIO 115/L Musculoskeletal Anatomy and Lab (4 cr)
KIN 235 Kinesiology (3 cr)
KIN 336/L Physiology of Exercise and Lab (3 cr)
HED 337 Exercise Principles (3 cr)
ATH 373 Nutritional Issues for Athletic Trainers or HED 115 Basic Nutrition (3 cr)
PED 365 Principles and Philosophies of Coaching (3 cr)
KIN 420 Strength and Conditioning Applications (3 cr)

**Additional Notes:**

- Undergraduate academic advisement is available through the Department of Kinesiology office. (888-2960 or popej@canisius.edu).
- More information about the program can be found at http://www.canisius.edu/health-wellness/index.dot
- Majors must meet with their advisor before receiving their PIN to register. Contact Jane Pope at popej@canisius.edu or check the bulletin board in the Koessler Athletic Center for advisor assignments.
- Students interested in professional schools after graduation (Physical Therapy, Physician Assistant, Chiropractic, etc) should also seek advisement through the Canisius College Pre-Med Program Director.
Please note the following curricular changes/requirements:

**BIO 114/Lab Human Biology (4 cr)**
- Offered Fall and Spring Semester.
- Should be completed the first semester at Canisius.
- Prerequisite for HHP 235 and HED 337

**BIO 115/Lab Musculoskeletal Anatomy (4 cr)**
- Offered Fall and Spring Semester.
- Should be completed the first or second semester at Canisius.
- BIO 114/L with C or above is a prerequisite.

**EDU 122 Technology in Education (3 cr)**
- Offered Fall/Spring Semester

**EDU 250 Foundations of Education (3 cr)**
- Offered Fall/Spring Semester
- Must also register for EDU 495, EDU 496

**EDU 495 Identification of Child Abuse (0 cr)**
- Offered Fall/Spring Semester
- Co-requisite EDU 250

**EDU 496 Save Schools Against Violence in Education (SAVE) (0 cr)**
- Offered Fall/Spring Semester
- Co-requisite EDU 250

**EDU 497 Dignity for All Students (DASA) (0 cr)**
- Offered Fall/Spring Semester
- Co-requisite PED 493

**EDU 498 Student Teaching Seminar (3 cr)**
- Offered Fall/Spring Semester
- Co-requisite PED 493, EDU 497

**HED 115 Basic Nutrition (3 cr)**
- Offered Fall and Spring Semester.
- This course should be taken during the freshmen year.

**HED 205 Wellness and Fitness (3 cr)**
- Offered Fall and Spring Semester
- There is a fitness competency check in this course. Students must achieve and maintain a health enhancing level of fitness (Pass the aerobic test and pass 2 out of the three other tests—push-ups, curl-ups, flexibility in two separate classes during the program).

**HED 220 Healthy Behaviors**
- Offered Fall and Spring Semester.

**HED 321 Lifeguard, CPR, First Aid, WSI (3 cr)**
- Offered Fall Semester
- Minimum $50.00 certification fee required with this course
• Current Lifeguard, CPR, and First Aid certifications must be on file in the PE office in order to be eligible to student teach.
• Required course for all students who do not have Lifeguard/CPR/First Aid on an official college transcript.

HED 325 School Health (3 cr)
• Offered Spring Semester
• There is a 50 hour field experience required. Transportation is required
• Transfer students cannot be granted this course in transfer without approval from PE and Health Director

HED 326 School Health Curriculum (3 cr)
• Offered Fall Semester
• There is a 50 hour field experience required. Transportation is required
• Transfer students cannot be granted this course in transfer without approval from PE and Health Director.

HED 425 Disease and Illness (3 cr)
• Offered Fall and Spring Semester.
• PESS majors will take this course instead of PED 380. See your advisor for more information.

KIN 235 Kinesiology (3 cr)
• Offered Fall/Spring Semesters
• Formerly HHP 235
• Prerequisites BIO 114/L with C or above.

PED 203 Net, Target, and Fitness Activities (3 cr)
• Offered alternating Spring Semester (Odd year)
• There is a physical skill competency check in this course.

PED 204 Invasion Games (3 cr)
• Offered alternating Fall Semester (Odd year)
• This course replaces PED 106 or 206 if you entered Canisius before Fall, 2009 and have not taken PED 106 or 206. See your advisor for more information.
• There is a physical skill competency check in this course.

PED 207 Dance and Gymnastics (3 cr)
• Offered alternating Spring Semester (Even year)
• Activity/methods class including 7 weeks of dance instruction and 7 weeks of gymnastics instruction.
• Requires ability to be physically active.

PED 305 Outdoor Curriculum and Adventure Activities (3 cr)
• Offered alternating Fall Semester (Even year)
• 6-8 sessions to be held at Hamburg High School. Transportation is available in fall and spring

PED 311 Movement Ed. and Elem. Act. (3 cr)
• Offered Spring Semester
• A 30 hour field experience is required. Transportation is required.
• This course is a prerequisite for PED 441
• There is a movement competency and physical skill competency check in this course.
Transfer students cannot be granted this course in transfer without approval from PE and Health Director.

**Note: Please check the Canisius College website for meeting days/times. This course will only meet one day/week, but is officially scheduled for two days/week. Specific meeting dates will be communicated through D2L before the class starts.

**PED 351 Coaching Theory (3 cr)**
- Offered Fall Semester
- An optional 10 hour service learning experience is available
- Coaching Theory and Techniques has a required text that must be purchased along with the self study guide and National certification (ASEP) test packet.
- Completion of this exam is a required component of the course and a grade of 80% and above earns the candidate national certification through ASEP in coaching theory and techniques.

**PED 354 Adapted Physical Education (3 cr)**
- Offered Fall Semester
- A 30 hour field experience is required. Transportation is required. The experience may be applied for service learning.

**PED 355 Disability Sports (3 cr)**
- Offered Spring Semester

**PED 360 Human Growth and Motor Development (3 cr)**
- Offered Fall Semester
- A 30 hour field experience is required. Transportation is required. The experience may be applied for service learning.

**PED 365 Philosophy of Coach (3 cr)**
- Offered Spring Semester

**PED 371 Assessment in PE (3 cr)**
- Offered Spring Semester
- Transfer students cannot be granted this course in transfer without approval from PE and Health Director
- There is a fitness competency check in this course. Students must achieve and maintain a health enhancing level of fitness (Pass the aerobic test and pass 2 out of the three other tests—push-ups, curl-ups, flexibility in two separate classes during the program).
- Ask your advisor for special instructions in how to register for this course.

**PED 372 Seminar in Teaching PE/Health**
- Offered Spring Semester

**PED 380 Concepts in Teaching Sport Skills (3 cr)**
- Offered Spring Semester
- A 30 hour field experience is required. Transportation is required.

**PED 441 Methods of Teaching PE (3 cr)**
- Offered Fall Semester
- Transfer students cannot be granted this course in transfer without approval from PE and Health Director
- There is a fitness competency check in this course. Students must achieve and maintain a health enhancing level of fitness (Pass the aerobic test and pass 2 out of the three other tests—push-ups, curl-ups, flexibility in two separate classes during the program).
- Ask your advisor for special instructions in how to register for this course.

**PED 441 Teaching Practicum in PE Lab (0 cr)**
- Offered Fall and Spring Semester
- Co-requisite for PED 371 or 441 (see advisor)
- A practicum is required in this course. Transportation is required.
- Transfer students cannot be granted this course in transfer without approval from PE and Health Director.
- Ask your advisor for special instructions in how to register for this course.
- Verification of current Lifeguard/CPR/First Aid certification a requirement for this class.
- **Note:** Please check the Canisius College website for meeting days/times. This course will only meet one day/week, but is officially scheduled for three days/week. Specific meeting dates will be communicated through D2L before the class starts.

**PED 493 Student Teaching (12 cr)**
- Fall/Spring Semester
- Co-requisite EDU 497, EDU 498

**KIN 494 Capstone in Kinesiology (3 cr)**
- Fall/Spring Semester

**Additional Notes:**
- A grade of C or above is required for all major courses. It is recommended to repeat major courses below a C as soon as possible.
- Common assignments will be collected in the following courses: EDU 122, EDU 250, PED 203, PED 204, HED 205, HED 325, HED 326, PED 311, PED 354, PED 371, PED 380, and PED 441. Students must score an average of 3/6 in order to pass Transition Pt. II. See your advisor for more information.
- Transition Pt. II occurs the last semester prior to student teaching (PED 371 or PED 441). Each student in PED 371/PED 441 will be evaluated on the following criteria: 1) GPA or 2.5 or above, 2) C or above in all major courses (including BIO 114/L/115/L & KIN 235), 3) all major courses completed or in progress, 4) current lifeguard and CPR/First Aid certification, 5) appropriate dispositions, and 6) passing evaluations on all field experiences. Students not meeting the minimum criteria will fail the transition point and be required to remediate the issue(s) before being cleared to student teach.
- For Physical Education/Health and Physical Education students must maintain and achieve healthy fitness levels in aerobic capacity, strength, endurance, and flexibility. Students will be required to pass the aerobic capacity test and 2 of 3 of the remaining fitness components. In the event a student does not meet these standards, a student will receive an Incomplete grade for the class. Students who receive an Incomplete grade must work with the instructor to rectify the grade. Refer to the Academic Catalog for Incomplete grade policy (http://www.canisius.edu/catalog/academic.asp). Accommodations will be made for students with documented special needs or medical excuses. In these situations, modifications or waivers of participation will be considered by the instructor in consultation with the Department Chair of Kinesiology.
- Majors must meet with their advisor before receiving their PIN to register. Contact Jane Pope at popej@canisius.edu or check the bulletin board in the Koessler Athletic Center for advisor assignments.
Coaching Minor

The 18 credit minor is designed for those interested in earning NY State Coaching certification for middle school and high school athletics. It can be attached to any major.

The courses selected depend on major of the student. Courses should be discussed in consultation with a departmental advisor.

HED 115 or ATH 373, HED 205 or KIN 337 are pre-requisites for PED 351 as the ASEP certification exam has nutrition and physiology/fitness components.

A coaching internship (PED 499) is required.

Note: Physical and Health Education majors are not eligible for the minor as they complete these courses in the curriculum and are NY State certified as coaches upon graduation.

<table>
<thead>
<tr>
<th>NY State requirement</th>
<th>Department of Kinesiology (Minor in Coaching)</th>
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<tbody>
<tr>
<td>Theory and Techniques of Coaching</td>
<td>PED 351 Theory and Techniques of Coaching (3)</td>
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<tr>
<td>Philosophy and Principles</td>
<td>PED 365 Principles and Philosophy (3)</td>
</tr>
<tr>
<td>Health Science Related to Coaching</td>
<td>HED 205 or KIN 337 (3)</td>
</tr>
<tr>
<td>First Aid for Coaches</td>
<td>HED 321 or ATH 170 (3) (Responding to Emergencies)</td>
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<td></td>
<td>PED 499</td>
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<tr>
<td>Coaching Internship</td>
<td>Additional Coursework for the minor</td>
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<tr>
<td></td>
<td>HED 115 Nutrition or ATH 373 (3)</td>
</tr>
</tbody>
</table>
|                                       | PED 380 Teaching Sports Skills (3)                                     | **Total (18)**
Latin American Studies Program (LAS)

Enhance your knowledge and understanding of the world with either a LAS co-major or minor. Having LAS as a co-major or minor will also help to build your resume and expand your career opportunities after graduation.

This interdisciplinary program draws on experienced faculty from several departments in the College of Arts and Sciences, School of Education and Human Services as well as the Richard J. Wehle School of Business.

Major Requirements (10 courses)

- LAS must be combined with another major at Canisius. There are no limits on the number of courses that count for this major that also apply to another major.
- **Language:** Spanish 217 or its equivalent. The Program Director can allow students to pursue French on an exceptional basis to take into account the French-speaking parts of Latin America. The Program Director can also decide to allow a lower level of coursework in Portuguese to fulfill this requirement (e.g., if combined with study abroad or service-immersion program in Brazil).
- **Study Abroad:** an approved short-term or semester-long program in a formal pre-approved program in the target language. The Program Director can decide to allow students to substitute for a major service-learning experience or trip (such as those offered in LA through campus ministry), internship, or a major research project involving LA/Latino communities in the US.
- **Social Science and History** – 3 courses
  - all courses must be taken at Canisius (rather than abroad)
  - must be taken from at least two academic departments/disciplines (Business, Education, History, Political Science, and Honors courses in these disciplines)
- **Culture, Literature or Languages** – 3 courses*
  - all courses must be taken at Canisius (rather than abroad)
  - must be taken from at least two academic departments/disciplines (Modern Languages Literature and Cultures, Religious Studies, Philosophy, Fine Arts, and Honors courses in these disciplines)
- **Major Electives** – 3 approved courses from any discipline or Study Abroad
- **Senior Capstone** – 1 course

Minor Requirements (6 courses)

- **Social Science & History** – 3 courses
  - Must be taken at Canisius from at least two academic departments/disciplines (Business, Education, History, Political Science, or Honors in these disciplines)
- **Language, Literature, and Culture** – 3 courses*
  - Must be taken at Canisius from at least two academic departments/disciplines (Modern Languages Literature and Cultures, Religious Studies, Philosophy, Fine Arts, and Honors courses in these disciplines)
*Spanish 217 or its equivalent counts as one of the required culture, literature and languages courses.

Fall 2016 LAS course offering:

Most of the courses listed below have Latin America/Latin@ as their main focus. However, the program may also include courses with a substantial Latin American/Latino@ component; these courses are also listed below (**). In the latter cases, students have to produce a project or paper on Latin America (or Latin@ issue) as part of those courses.

HIS 132 Latin American History to 1830  
MGT 475 Doing Business in Latin America  
PSC 150 Comparative Government & Politics**  
PSC241 Human Rights and Globalization**  
PSC370 Domestic Conflicts and Peace**  
SPA 217 Introduction to Composition

Please contact Program Director Dr. Paola Fajardo-Heyward at fajardop@canisius.edu if you have questions about this program or visit our website at http://www.canisius.edu/latin-american/index.dot
MANAGEMENT MAJOR

Managers coordinate the activities of people and resources in order to accomplish organizational objectives. The major prepares students for a broad range of careers in such areas as supply chain management, banking, manufacturing, human resource management and labor relations, transportation, government and non-profit organizations. For more information about becoming a management major, please contact Dr. Gordon Meyer at 888-2634 or meyerg@canisius.edu. For a complete listing of the courses required for the Management major, please contact the undergraduate catalog or the college web site: www.canisius.edu/manage/

Required Courses Offered During Fall 2016

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Introduction to Management (MGT 101)</td>
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<tr>
<td>Management Science (MGT 335)</td>
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<tr>
<td>Productions/Operations Mgt. (MGT 336)</td>
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<tr>
<td>Organizational Behavior (MGT 360)</td>
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<tr>
<td>Managerial Environment (MGT 370)</td>
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<tr>
<td>Managerial Policy/Strategy (MGT 446)</td>
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</tbody>
</table>

Additional Management Courses – Fall 2016

Management Electives – Fall 2016

International Business Seminar (MGT 380A) This course offers short-term seminars in Europe or China, either in winter between the fall/spring semesters or in the summer. Winter trips are typically two-and-one-half weeks and summer trips are typically three weeks. These seminars give exposure to international business environment and to business practices outside of the USA. There are readings, discussions, and a substantial paper required. Prerequisites: Open to upper-level business majors and to others by approval. Depending on the specific seminar the costs range from approximately $4500.00 to $7500.00 in addition to normal tuition for the 3 credit hour course. May be used as MGT or IBUS elective. Application to Dr. Ron Rivas

Entry Strategies for Emerging Markets (MGT 438) This course examines global corporate entrepreneurship and the process through which established companies identify, launch, and manage the entry of existing products into geographic markets in which the companies do not currently compete. We will also look at “emerging giants” — entrepreneurial firms in emerging markets that have grown to become multinationals. The course examines the differences between emerging markets and mature markets, as well as differences among emerging markets. The objective is to understand how these issues affect business opportunities in different emerging markets and why these efforts often fail. Prerequisites: Econ 101&102, MGT 101. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Steve Molloy

Global Supply-Chain Management (MGT 440) This course examines supply chain management, operations planning, logistics and manufacturing issues and practices in a global context. Based upon course content, the student may take certification course offered by APICS in Basics of Supply Chain Management. Prerequisite: MGT 336 or MGT 325. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Lynn Fish

Ethical Power and Influence for Leaders (MGT 460) Power and influence permeate our everyday lives and are important processes within organizations. Whether it be a company you founded, one you might be working with, or a company you work for, it is vital to understand how power and influence can be used to get things done even if there are barriers in your way. Technical expertise is important, but understanding how to achieve buy-in for your initiatives and goals is vital.
to your success. This course is about understanding power and influence and learning to use them effectively to achieve your goals. Through self-assessments, you will come to understand your own beliefs and tendencies regarding power and influence. Using this as a starting point, conceptual models are explored to give you real-world approaches in how to use ethical power and influence to become effective leaders. Prerequisites: MGT 101 or approval from instructor. May be used as ENT or MGT elective. Required course in the Human Resource Management minor. Fall only. Instructor: Dr. Robyn Brouer

Doing Business in Latin America (MGT 475) This course is designed to provide an introduction to the Latin American business environment and its impact on management practices. Latin America has resource rich, rapidly developing economies with enormous potential for business. Some Latin American countries have experienced, and still are undergoing, political and economic transformations. This course will help students understand the opportunities and business potential as well as risks of and barriers to doing business in Latin American countries. This course uses cases that focus on managerial aspects relevant to investment, risk management, and Latin America cultural issues. May be used as ENT, MGT or IBUS elective. Instructor: Dr. Ronald Rivas

Entrepreneurship and Family Business (ENT 311): Provides students with an understanding of key concepts related to and challenges faced by family businesses. Students will learn about ways to foster healthy family businesses through the use of innovative tools and via hands-on learning. The course will explore how the dynamics of a family unit can both help and hinder the success of a business organization. Issues such as mentoring, succession planning and family creeds and councils, and the special problems of family businesses and other closely-held corporations will be explored. Attention will also be devoted to family business planning, effective governance approaches in family businesses, preparing heirs for entry into and management of family firms, and tax and compensation planning. Prerequisites: MGT 101 AND MKT 201 OR ENT 201, Junior standing. May be used as ENT or MGT elective; Fall only. Instructor: Dr. Ji-Hee Kim

New Venture Creation (ENT 402) Capstone course required of all entrepreneurship majors at the end of the program. Students must develop an original idea for a new venture and write a comprehensive business plan for that venture. This integrative course brings together the theory and practice of entrepreneurship. The course focuses on identifying opportunities for a new venture and the process of starting and growing a new business. The business plan will apply key principles and concepts to real-world situations. Students must participate the New York State Business Plan Competition and other required activities to complete this course to get a final grade during the following spring semester. Prerequisites: ENT 401 and Senior Standing. May be used as MGT or MKT elective; Fall only. Instructor: Dr. Ji-Hee Kim.
MARKETING MAJOR  
(And dual Major in Marketing & Information Systems and Minor in Information Systems)

Marketing is an exciting and dynamic discipline with many career options in industries such as advertising, entertainment, fashion, public relations, telecommunications, e-commerce, and many others. The program is designed for students who want a balanced career that rewards creativity and business results. Marketing Majors take Principles of Marketing, Consumer Behavior, Marketing Research, International Marketing, Cases in Marketing Management and two marketing electives. For more information, please contact Dr. Edward Garrity at 888-2267, garrity@canisius.edu. For a complete listing of the courses required for the Marketing Major, please consult the undergraduate catalog or the college web site: www.canisius.edu/market/

F.I.T. Program
Interested in Fashion? Consider joining the Canisius / Fashion Institute of Technology (FIT) program. Students study Marketing at Canisius for 3 years and spend their senior year at FIT in New York City learning about Fashion Merchandising and other areas of the fashion industry. Students need to begin planning for this program early in their college career (freshman/sophomore year) because of the rigid scheduling requirements. See Dr. Wood, 863-3881, the faculty coordinator for more information.

Professional/Career Development
All Marketing Majors are strongly encouraged to join the Canisius College Chapter of The American Marketing Association. This professional group helps students develop their knowledge of marketing through extra-curricular activities such as company tours, guest speakers, networking with professional organizations, attendance at national conferences, etc. To learn more, contact Dr. David Snyder at 888-2608, Snyder@canisius.edu.

Advisement
In order to register for fall 2016 courses, students need to acquire their PIN numbers at least one week prior to registration. Do not wait until the last minute. This could delay your ability to register on time. Students should use the College Griff Audit system in conjunction with the program course checklist and the information below to determine what classes they should be enrolling in for the fall 2016 semester. In order to obtain your PIN number from the department office (Churchill Tower-516), you will be asked to sign a form indicating that you have carefully reviewed both your Griff Audit and the program checklist prior to receiving your PIN number. PIN numbers are generally available Monday through Friday, between the hours of 8:30 am to 12:00 pm. You may also receive your PIN number in Tower 504 on Monday, 10am – 3pm, Tuesday, 10am – 2pm, Wednesday, 11am – 5pm, Thursday, 11am – 2 pm, and Friday 2 – 4pm in Tower 504 with Ms. Hetal Patel; and and Friday 12-4pm in Tower 516. PIN numbers will not be emailed or given over the phone, so please make arrangements to visit the department office a week prior to your registration date.

If you have questions about course selection after you have reviewed your Griff Audit and the program checklist, see your department advisor. A list of advisor assignments will be emailed to you and will also be listed outside the department office (CT-516). For general queries, see the department chair, Dr. Edward Garrity, email: garrity@canisius.edu.
Required Courses Marketing Courses

<table>
<thead>
<tr>
<th>Fall Only Courses</th>
<th>Spring Only Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Marketing (MKT 201)</td>
<td>Principles of Marketing (MKT 201)</td>
</tr>
<tr>
<td>Consumer Behavior (MKT 320)</td>
<td>Fundamentals of Marketing Research (MKT 331)</td>
</tr>
<tr>
<td>Cases in Marketing (MKT 401)</td>
<td>International Marketing (MKT 475)</td>
</tr>
</tbody>
</table>

Marketing majors are required to complete 2 Marketing electives prior to graduation.

To graduate on time, students must adhere to the following guidelines

Sophomores: You MUST take Principles of Marketing (MKT 201) during the fall or spring semester. Failure to do so will mean you won’t meet the requirements for your junior year courses.

Juniors: You MUST take Consumer Behavior (MKT 320) during the fall semester. It will not be offered in the spring semester. This course is a prerequisite for MKT 401 which you need to take in the fall of your senior year. If you don’t take MKT 320 as a junior, it will delay your ability to take MKT 401 on time and therefore delay your graduation. You should consider taking at least 1 marketing elective during your junior year.

Seniors: You MUST take Cases in Marketing Management (MKT 401) in the fall semester. It will not be offered in the spring. Failure to complete MKT 401 in the fall, 2016 will delay your graduation. In addition, make sure you are on track to complete the requirement for Marketing Electives.

Required Courses Offered in Fall 2016:

**Principles of Marketing (MKT 201):** Introduction to the concepts, issues and opportunities associated with marketing management. Marketing strategy, buyer behavior, new product development, product management, price, promotion and channel decisions within context of overall environment and the cornerstones of this course. Instructors: Kathleen Davis, Kim Schilling-Faleski, Peter Hall, and Mary Owusu. Fall and Spring

**Consumer Behavior (MKT 320):** Application of concepts drawn from the behavioral sciences (i.e., anthropology, sociology and psychology) to provide insight into consumer decision-making and buyer behavior. Instructor: Dr. David Snyder, Prerequisite: MKT 201 or permission of instructor. Fall

**Digital Marketing (MKT 350, course was previously MKT 450):** This course aims to provide students with insight on how modern industry is adopting new emerging media and technologies as marketing tools. In this course, many innovative and evolutionary technologies/media will be introduced, such as blogs, mobile media, in-game advertising, virtual reality, hologram, touchscreen, social media, information kiosks in retail settings, including evolved formats of traditional media (e.g., 3-D TV, HD radio, digital outdoor media). This course includes e-buyer behavior, theoretical understanding, and case studies describing how diverse new media/technologies are adopted in business. In addition, this course will deal with ethical issues that can be found in the adoption of these diverse emerging media from the perspectives of both consumers and practitioners. The ultimate goal of this course is to familiarize students with the vocabulary/concepts, to teach practical knowledge from actual examples of technological adoptions, and finally to provide students with
more future-oriented perspectives in understanding marketing strategies. (Counts as MKT and IS elective for dual majors)

*Prerequisite: MKT 201. Instructor: Mr. Devon Sprague. Important note: This class is required only for those students who have entered in Fall 2015 and beyond. If you have taken MKT 450 you cannot take MKT 350 again for credit.*

**Cases in Marketing Management (MKT 401):** Case analysis is used to apply advanced practices and policies concerning product, price, promotion and supply chain marketing to marketing decision making. Instructor: Dr. Guy Gessner. *Prerequisites: FIN201, ACC201 and ACC202, MGT325 (or MGT335, MGT336), MKT201, MKT320. Fall*

**Additional Marketing Electives – Fall 2016**

**Digital Marketing (MKT 350, course was previously MKT 450):** This course is considered an elective for all marketing students who have started the program prior to Fall 2015 and who have not previously taken MKT 450.

**Special Topics in Digital Marketing: Marketing Data Analytics (MKT 371):** This elective course will be offered in Fall 2016, and will cover Marketing Data Analytics (cross-listed as ISB 440). With the explosion of data available to marketers, an explosion in unmet job demand exists for those who are educated in the art and science of analytics and presentation (storytelling with data). This course takes you through fundamental methods of collecting & analyzing data, culminating with hands on experience finding and crafting your story using popular and readily available dashboard & data visualization tools. *Prerequisite: MKT 201. Instructor: Mr. Steve Czajkowski, VP Operations, Focused Marketing Associates; Stay tuned, you won’t want to miss this class! (counts for IS elective). This course will cover techniques in the field of data analytics. Students will discover relationships in marketing data using various data analysis tools.*

**Special Topics in Marketing: IT Tools & Supply Chains (MKT 399):** This elective course will be offered in Fall 2016. *Prerequisite: MKT 201 Instructor: Mr. James Moore, Director of Global IT, Praxair. An excellent class for marketing or information systems students! This elective course will be offered in Fall 2016. Students will examine supply chains using IT analysis tools. (counts for IS elective).*

**New Venture Creation (ENT 402)** Capstone course required of all entrepreneurship majors at the end of the program. Students must develop an original idea for a new venture and write a comprehensive business plan for that venture. This integrative course brings together the theory and practice of entrepreneurship. The course focuses on identifying opportunities for a new venture and the process of starting and growing a new business. The business plan will apply key principles and concepts to real-world situations. Students must participate the New York State Business Plan Competition and other required activities to complete this course to get a final grade during the following spring semester. *Prerequisites: ENT 401 and Senior Standing. May be used as MGT or MKT elective; Fall only. Instructor: Dr. Ji-Hee Kim.*
# MARKETING COURSE ADVISEMENT SHEET

## Department of Marketing & Information Systems

### Class of 2015 and Beyond

## Fall Semester

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ FYS 101 Freshman Year Seminar</td>
<td></td>
</tr>
<tr>
<td>___ MAT 105 OR MAT 115 OR MAT 111</td>
<td></td>
</tr>
<tr>
<td>___ RST 101 Intro to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>___ ECO 101 Principles of Macroeconomics (field 5)</td>
<td></td>
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<tr>
<td>___ ISB 101 Management Technology</td>
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## Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>___ ENG 101 English Seminar I</td>
<td></td>
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<tr>
<td>___ MAT 106 OR Arts and Science Elective IF MAT 115/111</td>
<td></td>
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<tr>
<td>___ PHI 101 Intro to Philosophy</td>
<td></td>
</tr>
<tr>
<td>___ ECO 102 Principles of Microeconomics</td>
<td></td>
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<tr>
<td>___ MGT 101 Introduction to Management</td>
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## SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>___ MKT 201 Principles of Marketing</td>
<td></td>
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<tr>
<td>___ ACC 201 Financial Accounting</td>
<td></td>
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<tr>
<td>___ History Field of Knowledge 4</td>
<td></td>
</tr>
<tr>
<td>___ ECO 255 Business Statistics I</td>
<td></td>
</tr>
<tr>
<td>___ Business International Requirement</td>
<td></td>
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<tr>
<td>___ (Language or Approved Regional Studies)*</td>
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## Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>___ MKT 320 Consumer Behavior</td>
<td></td>
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<tr>
<td>___ MGT 325 Operations Analysis</td>
<td></td>
</tr>
<tr>
<td>___ MKT 350***, Digital Marketing</td>
<td></td>
</tr>
<tr>
<td>___ Natural Science Field of Knowledge 6</td>
<td></td>
</tr>
<tr>
<td>___ Religious Studies Field of Knowledge 1</td>
<td></td>
</tr>
<tr>
<td>___ MGT 370 Managerial Environment</td>
<td></td>
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## Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ MKT 401 Cases in Marketing Mangt.*****</td>
<td></td>
</tr>
<tr>
<td>___ MKT Elective</td>
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<tr>
<td>___ A&amp;S Elective</td>
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<tr>
<td>___ A&amp;S Elective</td>
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<tr>
<td>___ Core Capstone</td>
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## Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Justice</td>
<td>A&amp;S course or ISB 302 satisfies this requirement.</td>
</tr>
<tr>
<td>Ethics</td>
<td></td>
</tr>
<tr>
<td>Diversity</td>
<td></td>
</tr>
<tr>
<td>Global Awareness</td>
<td>MKT375 satisfies this requirement. See spring, junior year.</td>
</tr>
<tr>
<td>Advanced Writing Intensive</td>
<td>Must be at the 200-level or above</td>
</tr>
<tr>
<td>Oral Communication Skills</td>
<td></td>
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</tbody>
</table>

*Two semesters of language or approved regional studies*

**MKT 375. International Marketing has been re-numbered from MKT 475.

*** MKT 350 is a required class for students entering Fall 2015 and beyond; it has been re-numbered from MKT 450. If you entered prior to Fall 2015, MKT 350 can be replaced with a free elective.

**** Ethics required of all business students.

***** MKT 401, Cases in Marketing Management is a capstone course in marketing, and requires senior standing.
Students still need to take the Core Capstone, to cap off the college’s core curriculum.

Note: All students must complete a total of 60 hours of Arts and Science courses. We strongly recommend that all students run a Griff Audit to check for this and any other additional requirements.

New Minor in Information Systems,
Optionally effective Fall 2015 and beyond

ISB 101, Management Technology
ISB 205, Data Visualization & Project Management
ISB 340, Data Management
ISB 360, Decision Support Systems*
ISB 440, Marketing Data Analytics

In addition, students may substitute ISB 350 Security and Networking**, ISB 455 Ecommerce or ISB 460, Computer Forensics for one of the courses above.

* Decision Support Systems is a new class covering the building of interactive decision and data analytic systems (planned for 2017).

Information Systems Minor

Computer Forensics Minor

(Current minors, see below)

<table>
<thead>
<tr>
<th>Information Systems Minor</th>
<th>Computer Forensics Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5 COURSES</strong></td>
<td><strong>5 COURSES + AN APPROVED ETHICS COURSE</strong></td>
</tr>
<tr>
<td>1. ISB 205 OR ISB 211</td>
<td>1. CRJ 227 (PSC 227) Criminal Justice I</td>
</tr>
<tr>
<td>2. ISB 340</td>
<td>2. CRJ 228 (PSC 228) Criminal Justice II</td>
</tr>
<tr>
<td><strong>Plus 3 of the following courses</strong></td>
<td>3. ISB 350 (Fall)</td>
</tr>
<tr>
<td>• ISB 350</td>
<td>4. ISB 460 (Spring)</td>
</tr>
<tr>
<td>• Any ISB electives (except ISB 496)</td>
<td>5. ISB 470 (Fall normally; Summer 2015)</td>
</tr>
</tbody>
</table>
Mathematics & Statistics

New courses:

- **MAT361: Actuarial Review I**: This course prepares students to take Exam P of the Society of Actuaries or Exam 1 from the Casualty Actuary Society. Key probability concepts are reviewed and students learn to apply these tools to problems encountered by actuaries. The course will develop a thorough command of calculus and probability topics. Additionally, a very basic knowledge of insurance and risk management is introduced. Prerequisites: MAT 111-112, MAT 211, and MAT 351-352 or permission of instructor. Offered every Fall.

- **MAT362: Actuarial Review II**: This course prepares students to take Exam FM of the Society of Actuaries or Exam 2 from the Casualty Actuary Society. This covers interest theory (discrete and continuous) and an introduction to derivative securities. Prerequisites: MAT 111-112, MAT 211 and MAT 351-352 or permission of instructor. Offered every spring.

Introductory courses offered Fall 2016

- **MAT105: Finite Mathematics** is offered every semester.
- **MAT106: Calculus for the Non-sciences** is offered every semester.
- **MAT111 (or MAT109-110 or MAT115): Calculus I** (or **MAT109-110: Calculus with Review I and II or MAT115: Calculus for Business I**). Required for all Mathematics majors, minors, and Math-Ed majors. Note that MAT109-110 covers the same material as MAT111, but with pre-calculus topics covered in more detail. (MAT109 and 115 are only offered in the fall, while MAT 110 is only offered in the spring. MAT111 is offered every semester.)
- **MAT112: Calculus II**. Required for all Mathematics majors, minors, and Math-Ed majors. Offered every semester.
- **MAT121: Nature of Mathematics**.
- **MAT131: Statistics and Computers** is offered every semester.
- **MAT141: Inferential Statistics and Computing for Sciences** is offered every semester.
- **MAT161: Mathematics for Elementary Teachers**: Strongly recommended for elementary or special education students who are not concentrating in mathematics education. Every fall.

Intermediate courses offered Fall 2016

- **MAT211: Calculus III**. Required for all Mathematics majors, minors, and Adolescent Math-Ed majors. Offered every semester

Upper-level courses offered Fall 2016 semester

- **MAT311: Abstract Algebra**: Required for all Mathematics majors and Math-Ed majors. Offered every fall.
- **MAT321: Real Analysis**: Required for all Mathematics majors. Offered every fall.
• MAT331: Modern Geometry: Required for all Math-Ed majors. Offered every other fall.
• MAT352: Probability and Statistics II: Offered every fall.
• MAT354: Experimental Design: Offered every third semester, so won’t be offered again until Spring 2018.
• MAT380-381-480: Mathematics Seminar. Required for all Math majors. Once you’ve completed all three, you get credit for an Oral Communication Attribute.

Future courses
• MAT150: Math and Politics will be offered in Spring 2017.
• MAT181: Symmetry is offered on demand.
• MAT191: Introduction to Discrete Mathematics is offered every spring.
• MAT219: Linear Algebra: Required for all Mathematics majors, minors, and Math-Ed majors. Offered every spring.
• MAT222: Differential Equations: Required for Adolescent Math-Ed majors. Math majors have a choice of taking this course or MAT 351. Offered every spring.
• MAT301: History of Mathematics: Required for all Math-Ed majors. Offered every other fall.
• MAT312: Topics in Algebra is offered every other spring.
• MAT313: Number Theory is offered on demand.
• MAT322: Topics in Analysis is offered every other spring.
• MAT351: Probability and Statistics I is offered every spring.
• MAT353: Regression Analysis is offered every other spring.
• MAT341: Numerical Analysis is offered every other spring.
• MAT342: Graph Theory is offered every other spring.
• MAT353: Regression Analysis is offered every third semester.
• MAT370: Topics in Statistics is offered every third semester.
• MAT411: Topology is offered on demand.
• MAT421: Complex Analysis is offered on demand.

Scheduling of upper-level mathematics courses for the future:
MEDICAL LABORATORY SCIENCE
(also known as Clinical Laboratory Science or Medical Technology)
Science Hall 1026

Advisement Information: Students interested in the Medical Laboratory Science majors should make an appointment with the Program Director, Dr. Allyson Backstrom, SH 1026, ext. 2539 (backstra@canisius.edu.)

Major Information: Medical Laboratory Science is a vibrant field where the challenges of medicine meet the complexities of science. Medical Laboratory Scientists can be found working in a number of different settings from doctor’s offices to hospitals, research labs to public health centers. This growing field offers a wide range of employment opportunities in areas of clinical analysis, public health, industry, higher education, healthcare administration and research. Performing testing on tissue, blood, and other body fluids, the Medical Laboratory Scientist plays a pivotal role in the diagnosis and treatment of diseases working from the laboratory in the fast paced world of medicine.

Major Course Requirements:
BIO111/112 Introduction to Biology I & II + Labs
BIO114 Anatomy & Physiology I + Lab
BIO211/212 Cellular Biology and Biochemistry I & II + Labs
BIO307 General Microbiology + Lab
BIO426 Immunochemistry
CHM111/112 General Chemistry I & II + Labs
CHM227/228 Organic Chemistry I & II + Labs
MAT141 Inferential Statistics and Computers for Science
MDT280/281 Sophomore Seminars
MDT380/381 Junior Seminars
MDT400/401 Hospital Rotations
Science Elective: Two courses to be arranged with advisor

Additional upper level science coursework is recommended. Students complete three years of prerequisite coursework on campus at Canisius and then a hospital rotation year at an affiliated program (WCA Hospital in Jamestown, NY or Rochester General Hospital in Rochester, NY.) The clinical year hospital rotation is completed during the senior year (this is an 11-month program.)

All Medical Laboratory Science professionals practicing in New York must be licensed by the state. The B.S. degree from Canisius College in Medical Laboratory Science provides the means to become licensed in New York State and Board Certified by the National Accrediting Agency for Clinical Laboratory Science.

Employment Opportunities: The U.S. Bureau of Labor & Statistics reports rapid job growth and excellent job opportunities are expected. Most jobs will be continue to be in hospitals but employment will grow rapidly in other settings as well.
Military Science Program (ROTC)

Full-Time Faculty: Major Stephen Ang; Captain Jeffrey Miles; Master Sergeant Donald Durgin; Master Sergeant B. Alan Payne; Master Sergeant Dwayne A. Wood; Rebecca M. Sparacino, Lieutenant Colonel (Retired); Gerard Sobchak, Staff Sergeant (Retired); and Sylvia Thomas

The Military Science & Leadership (MLS) Program augments the college learning experience. The cornerstone of the MLS program is the development of leaders. Individual courses support the identification, assessment, and leadership development of young men and women. The goal of the MLS Program is to train confident and competent leaders of character for commissioning as officers in the United States Army, Army Reserve or Army National Guard. Every student taking MLS will learn superior organizational, leadership and managerial skills that will prepare them to lead in public service, business, military, and community organizations. This program is open to students of all majors and there is no requirement for previous military service or experience.

The traditional MLS program is four years: a two-year Basic Course (six credit hours/year), for which no military obligation is incurred, and a two-year Advanced Course (six credit hours/year), plus a US Military History Course (3 credits); for which there is a military obligation.

The Basic Course refers to the first and second year of the MSL curriculum. It is designed as a classroom and lab course that stresses the fundamentals of leadership. A freshman student would enroll in MLS 101 and MLS 111L in the fall and MLS 102 and MLS 112L in the spring. A sophomore would enroll in MLS 201 and 211L in the fall and MLS 202, 212L in the spring. These courses are designed for students who want to improve their leadership. Instructors develop their students’ physical, mental and critical thinking skills through team building and collective hands-on problem solving case studies. A number of popular and challenging extra-curricular activities are available for students who take these courses. Students may take up to twelve Basic Course credits without obligation. The basic course sequence is required for all students that want to qualify for entry into the Advanced Course. MLS 210-The Cadet Initial Entry Training (CIET) is held at Fort Knox, KY between either the summer of the student's freshman and sophomore year or sophomore and junior year. CIET is a mandatory component for students wishing to earn a Commission in the US Army. Students, with prior military service may also receive placement credit directly into the Advanced Course with approval from the Department Chair.

For more information students should contact the Military Science Department located on the first floor in the Health Science Building.

The following sequence of Military Science 100 and 200 level courses can each be counted as a 3.0 credit, free elective:

MLS 101 (3 credit) and MLS 111L (0 credit) (Fall Semester)
MLS 102 (3 credit) and MLS 112L (0 credit) (Spring Semester)
MLS 201 (3 credit) and MLS 211L (0 credit) (Fall Semester)
MLS 202 (3 credit) and MLS 212L (0 credit) (Spring Semester)

Note: Students must present Medical Documentation signed by their doctor in order to participate in the lab portion. The required form is available at the Army ROTC department at Canisius College.
The **Advanced Course** is comprised of MLS 301/311L, MLS 302/312L, MLS 401/411L and MLS 402/412L and MLS 480. Upon completion of this sequence and successful completion of The Cadet Leader’s Course (CLC) students are commissioned as Second Lieutenants in the Army, Army National Guard or Army Reserve. Based on the students’ area of study Military Science 300 and 400 level courses continue to bear free elective credit.

The following sequence of Military Science 300 and 400 level courses may be counted as a 3.0 credit elective:

- MLS 301 (3 credits) and MLS 311L (0 credits)
- MLS 302 (3 credits) and MLS 312L (0 credits)
- MLS 401 (3 credits) and MLS 411L (0 credits)
- MLS 402 (3 credits) and MLS 412L (0 credits)

Note: Students are required to sign up and participate in Lab during the Advance Course even though they do not receive credit for the lab.

**MLS 480-(3 credits)-US Military History**

Successful completion of the ROTC program also requires a one-semester course in military history that is offered through the ROTC Department.

**Military Science Summer Credit**

During the summer, students attend Cadet Initial Entry Training (CIET) at Ft. Knox, KY. CIET is a 29 day training program that is mandatory for all students seeking a Commission. Students must meet all contracting criteria to attend CIET; attendance may occur between either the freshman and sophomore year or sophomore and junior year. For more information on this program, contact the Military Science Department.

Juniors attend—Cadet Leader’s Course (CLC) at Ft. Knox, KY during the summer between their junior and senior year. This is a demanding 30 day course designed to increase critical thinking and enhance leadership skills and is mandatory for all Advanced Course ROTC cadets.

Further details are available through the Canisius College Department of Military Science.

**2015-2017 Military Science Courses**

**MLS 101-Fall-Introduction to the Army and Critical Thinking - 3 credits**

This course introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management, and comprehensive fitness relate to leadership, and the Army profession. Optional: Leadership Lab; three one-hour physical fitness sessions; weekend military exercises.

**MLS 102-Spring-Introduction to the Profession of Arms – 3 credits**

This course introduces Cadets to the personal challenges and competencies that are critical for adaptive leadership. Cadets learn the basics of the communications process and the importance for leader’s to develop the essential skills to effectively communicate in the Army. Students will examine the Army Profession and what it means to be a professional in
the US Army. Optional: Leadership Lab; three one-hour physical fitness sessions; weekend military exercises.

**MLS 201-Fall-Foundations of Leadership -3 credits**
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practice planning, executing and assessing team exercises. Optional: leadership labs, three one-hour physical fitness sessions, weekend military exercises.

**MLS 202-Spring-Foundations of Tactical Leadership – 3 credits**
This course examines the challenges of leading teams in the complex operational environment. The course highlights dimensions of terrain analysis, patrolling, and operations orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team building skills. Optional: leadership labs, three-five one-hour Physical Readiness Training (PRT) sessions, one Leader’s Training Exercise (LTX) per semester.

**MLS 111L/112L/211L/212L- Basic Course Leadership Laboratory – 0 credits**
Students are given opportunities to lead their peers in hands-on training in basic military skills such as land navigation, rifle marksmanship, tactics, drill and ceremony, first aid training and survival swimming. Prerequisite: Concurrent Enrollment in MLS 101, 102, 201 or 202. All students will be required to provide medical documentation that they are fit to participate in a normal college physical education course. Lab is conducted on Thursday from 3:00-5:00pm every week.

**MLS 210-Summer Course-Cadet Initial Entry Training (CIET) – 3 credits**
Required for all students seeking a Commission in the US Army, Army Reserve or Army National Guard; this 29 day course is designed to challenge Cadets mentally, physically and prepare them to meet the challenges of becoming a Commissioned Officer. Students must be contracted to attend CIET.

**MLS 301 – Fall-Adaptive Team Leadership – 3 credits**
This course challenges Cadets to study, practice, and evaluates adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, Cadets continue to develop their leadership and critical thinking abilities. Prerequisite: Approval of department chair; concurrent registration in MLS 311L.

**MLS 302-Spring- Applied Team Leadership – 3 credits**
This course is an academically challenging course were you will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and ethics, personal development, and small unit tactics at the team and squad level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating and leading a team or squad in the execution of a tactical mission. Prerequisite: Approval of department chair; concurrent registration in MLS 312L.

**MLS 311L/312L Advanced leadership Lab- 0 credits**
Cadets apply basic military skills in small peer learning exercises and small unit training operations. Leadership positions are rotated to solve problems in tactics, land navigation, logistics and crisis reaction. * Required for MSL 301/302 students.

**MLS 310-Summer Course- Cadet Leaders’ Course – 3 credits**
CLC is a demanding 30 day course held at Fort Knox, KY which is designed to increase critical thinking skills and enhance leadership skills. It is required for all Advanced Course ROTC cadets. In addition to proving their leadership ability, cadets must meet established standards in physical fitness and demonstrate proficiency in military skills.

**MLS 401-Fall-Mission Command and the Army Profession – 3 credits**
Mission Command and the Army Profession explore the dynamics of leading in the complex situations of current military operations. You will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. You also explore aspects of interacting with non-government organizations, civilians on the battlefield, the decision making processes and host nation support. Prerequisites: MSL 301, MLS 302 and MLS 310; concurrent registration in MLS 411L.

**MLS 402 –Spring -Mission Command and the Company Grade Officer– 3 credits**
Mission Command and the Company Grade Officer explore the dynamics of leading in the complex situations during Unified Land Operations I, II, and III. Examine the Art of Command and how to properly communicate with your NCOs and Soldiers during Taking Charge 1, 2 and 3, and Developing Others (counseling). During Cultural Awareness and Cultural Property Protection (CPP), you will discuss numerous situations on how ethical decisions impact personnel and the unit mission. Through the understanding of your roles and responsibilities, you will learn about Comprehensive Soldier Fitness (CSF), Being Ready and Resilient (R2C), and Individual and Family Readiness can assist you in preparing your Soldiers and their Families on reducing and managing stress during times of uncertainty. Prerequisite: MLS 401; concurrent registration in MLS 412L.

**MLS 411L/412L-Senior Leadership Laboratory – 0 credits**
Under cadre supervision, seniors plan, conduct and evaluate training for the underclass leadership labs. Seniors provide instruction, coaching and mentoring to underclass cadets, and conduct command and staff activities needed to run the cadet battalion as well as participate in separate labs to enhance their understanding of Military operations. *Required for MLS 401/402.

**MLS 480 – US Military History – 3 credits**
Explore the evolution of the United States Army from its origins in the Revolutionary War all the way through current operations in Iraq/ Afghanistan as well as the Global War on Terrorism. We will discuss in depth the effects the growth of our nation had on the development of a Professional Army. Students will gain an appreciation for the history of the U.S. Military through the study of wars, campaigns and battles while also gaining an understanding of the differences between strategic, operational and tactical levels. Further insight into battles will be taught by reflecting on events utilizing the 9-principles of war as a means of battle analysis. We will also explore the effects politics and international policy has on determining military strategies, also touching on the effects that different cultures/ethnic groups have on both past and present military operations.

**MLS 199/299/399/499- Independent Study -3 credits**
Students study selected military topics under the supervision of a cadre member. Prerequisite: Permission of the Professor of Military Science.
AMERICAN SIGN LANGUAGE
- ASL 103

ARABIC MINOR
- NEW: Intermediate courses are re-numbered:
  ARBC 115/116=ARBC 215/217
  ARBC 215/216=ARBC 323/324
- Fall Offering: 103, 215, 323

CHINESE
- CHI 103

FRENCH MAJOR AND MINOR
- FRC 103 – Introductory French I
- FRC 215 – Intermediate French I
- FRC 300 – Intermediate Internship
- FRC 323 – Topics in Conversation I
- FRC 433 – Survey of French and Francophone Literatures

GERMAN MAJOR AND MINOR
- GER 103 – Introductory German I
- GER 215 – Intermediate German I
- GER 323 – Topics in Conversation I
- GER 467 – Germany Since 1871: Political System and Form of Government

ITALIAN
- ITA 103 – Introductory Italian I
- It is strongly recommended that students, who plan to participate in the Study Abroad Program in Italy in the near future, take at least two Italian language courses before their departure. Your study abroad experience will be much more rewarding and you’ll make progress in learning to communicate grammatically and effectively in Italian at no time.

PORTUGUESE
- PORT 103 – Intro Brazilian Portuguese
SPANISH MAJOR AND MINOR

- Courses offered in the Fall of 2016:
  - Introductory: SPA 103, SPA 104
  - Intermediate: SPA 215, SPA 217 – Introduction to Composition
  - Intermediate High: SPA 323 – Conversation : Spain
  - Advanced Low: SPA 453: Almodovar and La Movida: A look at the iconic Spanish film director, the history that impacted his work, and the lasting cultural legacy.
GriffAudit: The Pre-Medical Center will assist students in course planning in all pre-health areas. Students who intend to pursue health-professional studies should request they be assigned an appropriate attribute at the Office of Student Records and the Pre-Medical Center: Medicine, Dentistry, Pharmacy, Veterinary Medicine or Health (‘health’ includes all other areas such as Physician Assistant, Podiatry, Physical Therapy, Chiropractic, etc.) Specific course details are included on the student’s GriffAudit for pre-med, pre-den, pre-phar and pre-vet and can be found at the end of this guide. Requirements for pre-heal (all other health areas) are not detailed in a GriffAudit as requirements vary tremendously from school to school. We have information for the full range of health professions in our Center.

Enrollment in Pre-Med/Pre-Health Program: We have created a portfolio/advisement system for pre-med/pre-health students through D2L. This allows students to begin creating their portfolio of work/activities conducted in high school and college related to preparation for the health professions. Students should contact the Pre-Medical Center to begin this process. Annual ‘Stay on Track’ meetings are conducted for Freshmen, Sophomores, Juniors and Seniors. Students must plan to attend the appropriate meeting. Any Freshman or Sophomore who did not attend a meeting this year must meet with a pre-med/pre-health advisor this spring.

Pre-Medical/Pre-Health Curriculum: Canisius College offers a rigorous curriculum in the basic sciences, humanities and social sciences. Service Learning courses are strongly encouraged. In addition the Pre-Medical Center offers an introductory seminar designed to help students explore the many health-related professions. We encourage students to also consider this course as a way to being their inter-professional education.

HRP101 Introduction to Health Professions: This course facilitates student exploration of the broad range of career opportunities in health care. Students learn about various aspects of each profession through readings and guest presentations by area health professionals, then reflecting on each profession in relation to their own personal strengths and interests. This course is ideal for first-year and other students who are still exploring possible careers or who want to better understand the career preparation paths of other members of the health-care team. This 1-credit hour course meets once per week and is offered both fall and spring semesters. NOTE: This course will not be offered during the 2016-2017 academic year.

HRP111 Medical Terminology
1 credit, No Prerequisites
This introductory course in medical terminology focuses on prefixes, suffixes, word roots and their combinations to build basic medical vocabulary. Terminology related to anatomy, physiology, symptomology, and pathology will be included. NOTE: This course will be offered Spring 2017.
**HRP201/202 Topics in Health Professions:** This course facilitates student in-depth exploration of specific topics in health and health care. Past topics have included Primary Care Seminar I & II. Future topics planned include a Medical Specialties and an American Medical Student Association Scholars Program seminar. **Note:** This course will next be offered Spring 2017.

**Early Assurance/Joint Degree Programs:** Programs are available in medicine (allopathic and osteopathic), dentistry, pharmacy, and optometry for Freshmen and Sophomores who have achieved high levels of academic performance early in their time at Canisius. Each program has unique application processes and requirements. Students are encouraged to seek information at the Pre-Medical Center.

**Pre-Veterinary Medicine Students**
Students interested in attending Ontario Veterinary College should discuss requirements with the Pre-Med Director.

**New Information for Pre-Medical Students**
As the medical school admissions process undergoes major changes over the next several years, it is essential that students stay in close contact with advisors in the Pre-Medical Center regarding test preparation and changing course requirements.

**MCAT2015:** In 2015, a revised MCAT (Medical College Admissions Test) was first offered. (https://www.aamc.org/students/applying/mcat/mcat2015/)
All students planning to take the MCAT will need to know specific content covered in typical introductory level psychology, sociology and basic biochemistry courses in addition to the previous MCAT content. A specific statistics course is not required for the new MCAT but the exam has students utilize basic statistics in interpreting scientific and social science content. Some medical schools do require a specific statistics course. The new MCAT consists of four individual test sections. Two revised test sections focus on the basic sciences, ‘Biological and Biochemical Foundations of Living Systems’ and ‘Chemical and Physical Foundations of Biological Systems,’ Psychology and Sociology content appear in a new section focused on the ‘Psychological, Social and Biological Foundations of Behavior.’ The Canisius Core and Honors Curriculum prepares students for the ‘Critical Analysis and Reasoning’ section of the test (focuses on the humanities and social sciences and will include readings from areas such as philosophy, ethics, cultural diversity and public health.)

Courses needed to prepare for the MCAT 2015*:
- One year of general biology – such as BIO111/112
- One year of general chemistry – such as CHM111/112
- One year of organic chemistry – such as CHM227/228
- One year of general physics – such as PHY201/202 or PHY223-224
- Biochemistry – offered by the Chemistry Department’s BCH 301/302 or Biology Department’s (BIO211/212)
- Introductory Sociology – such as SOC110
- Introductory Psychology – such as PSY101 and/or PSY102
  (note that MCAT content is spread throughout both PSY101 and PSY102 so where possible, students may want to take both courses)
- Statistics (Math, Psychology or Business) is recommended
While these courses include the vast majority of MCAT content, students are still expected to self-study some topics in preparation for the test. Students should plan their course schedule (typically Junior year) to allow ample time to study for the test. Most students also take a review course as part of their MCAT preparation. Please reassure students that waiting a year to apply to medical school to allow more time to prepare for the MCAT will only strengthen their application.

Personal Competencies: A set of personal characteristics and skills desired in future physicians has also been defined. These competencies may be found online and are included below: [https://www.aamc.org/initiatives/mr5/about_mr5/64636/innovation_lab.html](https://www.aamc.org/initiatives/mr5/about_mr5/64636/innovation_lab.html)

1. **Integrity and Ethics**: Behaves in an honest and ethical manner; adheres to ethical principles and follows rules and procedures; resists peer pressure to engage in unethical behavior and encourages others to behave in honest and ethical ways.
2. **Reliability and Dependability**: Consistently fulfills obligations in a timely and satisfactory manner; takes responsibility for personal actions and performance.
3. **Service Orientation**: Demonstrates a desire to help others and a sensitivity to others’ needs and feelings; demonstrates a desire to alleviate others’ distress.
4. **Social, Interpersonal, and Teamwork Skills**: Demonstrates an awareness of others’ needs, goals, feelings, and the ways that social and behavioral cues affect peoples’ interactions and behaviors; adjusts behaviors appropriately in response to these cues; treats others with respect and demonstrates a respect for diverse populations.
5. **Desire to Learn**: Sets goals for continuous self-improvement and for learning new concepts and skills; assesses own strengths and weaknesses; solicits and responds appropriately to feedback.
6. **Resilience and Adaptability**: Demonstrates tolerance of stressful or changing environments or situations and adapts effectively to them; is persistent, even under difficult situations; recovers from setbacks.

Students are encouraged to engage in activities within and beyond the classroom that allow them to develop and reflect on these competencies. Academic integrity and appropriate personal behavior on and off campus are essential for entry into the health professions.

**IMPORTANT INFORMATION FOR PRE-MED STUDENTS ABOUT REQUIREMENTS FOR MEDICAL SCHOOLS**

**MAJOR**: Medical schools do not require or expect a specific major for admission. All pre-med students should complete the recommended pre-med coursework. Students who are majoring outside of the sciences should consider taking additional upper-level coursework in the sciences as electives.

**AP CREDIT**: Please be aware that many medical schools DO NOT accept AP credit in biology, chemistry or physics. It is recommended that students with AP credit for a science course take the introductory biology, chemistry and physics sequences (BIO 111/112/L, CHM 111/112/L, PHY
Students desiring to not take these courses should discuss options with the Pre-Med Advisor.

**MEDICAL SCHOOL ACCEPTANCE CRITERIA:** In addition to GPA, MCAT scores, and a HSARC recommendation, medical schools base their acceptance on service orientation, teamwork and leadership qualities, research experience, clinical volunteerism, and shadowing experience among others. Students are strongly encouraged to consider service-learning opportunities.

**GOOD STANDING:** To be considered in good standing with the Pre-Med Center, students should complete the registration form, submit annual updates to the Pre-Med Center as detailed in Stay on Track meetings each semester, and participate in the Health Sciences Advisory and Recommendation Committee (HSARC) process to obtain a letter of evaluation. Both allopathic and osteopathic medical schools will request a HSARC committee letter of evaluation be submitted by Canisius College as part of each student’s medical school application.

**FOR MORE INFORMATION OR IF YOU HAVE QUESTIONS ABOUT THE REQUIREMENTS OF A PARTICULAR MEDICAL SCHOOL:** Contact the Pre-Med Center (SH1026) at 716.888.2539 or email backstra@canisius.edu.

**REQUIRED AND RECOMMENDED COURSES FOR PRE-MED STUDENTS**

All students, regardless of major, must take the required courses indicated below. In addition, certain other courses are recommended, although not required. Students must stay in contact with the Pre-Med Center regarding requirements for individual medical schools.

- **English Composition** – 1 course
  - FYS 101 or HON 101

- **English Literature** – 1 course
  - ENG 101 or HON (Literature designation)

- **General Biology** – 2 semesters with lab
  - BIO 111, BIO 111L, BIO 112, BIO 112L

- **General (Inorganic) Chemistry** – 2 semesters with lab (CHM 109/110 may substitute for CHM 111)
  - CHM 111, CHM 111L, CHM 112, CHM 112L

- **General Physics** – 2 semesters with lab
  - PHY 201, PHY 201L, PHY 202, PHY 202L
  - Or
  - PHY 223, PHY 223L, PHY 224, PHY 224L

- **Organic Chemistry** – 2 semesters with lab
  - CHM 227, CHM 227L, CHM 228, CHM 228L

- **Biochemistry** – 1 semester with lab required/2 semesters recommended (the MCAT contains content from both semesters)
  - BIO 211, BIO 211L, BIO 212, BIO212L
  - Or
  - BCH 301, BCH 301L, BCH 302
• Psychology – 1 semester required/2 semesters recommended (the MCAT contains content from both semesters)
  o PSY 101, PSY 102
• Sociology – 1 semester required
  o SOC 110
• Statistics – 1 semester required
  o MTH 141 Or PSY 201
• College Math – 1 semester (MTH 111 Calculus I is recommended - MTH 109/110 may substitute for MTH 111)
• Humanities and Social Sciences Recommended Courses
  o Students should select challenging courses in areas such as philosophy, ethics, literature, behavioral and social sciences, etc. to help develop strong critical analysis and reading skills.
• Science Recommended Courses
  o Students not majoring in the sciences should elect additional coursework in the sciences. Courses in Anatomy, Physiology, Microbiology, and Genetics are especially useful for all majors.

GPA INFORMATION FOR PRE-MED STUDENTS
The GPA reported on medical school applications may not be identical to the Canisius GPA. Application GPAs include all grades from all courses at all colleges/universities attended. Repeated courses will be included in allopathic medicine application GPAs. GPA calculation spreadsheets are available through the Pre-Med Center for your use in determining your actual GPA for applications.

IMPORTANT INFORMATION FOR PRE-DENTAL STUDENTS ABOUT REQUIREMENTS FOR MOST DENTAL SCHOOLS

MAJOR: Dental schools do not require or expect a specific major for admission. All pre-dent students should complete the recommended pre-dent coursework. Students who are majoring outside of the sciences should consider taking additional upper-level coursework in the sciences as electives.

AP CREDIT: Please be aware that many dental schools DO NOT accept AP credit in biology, chemistry or physics. It is recommended that students with AP credit for a science course take the introductory biology, chemistry and physics sequences (BIO 111/112/L, CHM 111/112/L, PHY 201/202/L). Students desiring to not take these courses should discuss options with the Pre-Med Advisor.

DENTAL SCHOOL ACCEPTANCE CRITERIA: In addition to GPA, DAT scores, and a HSARC recommendation, dental schools base their acceptance on service orientation, teamwork and leadership qualities, research experience, clinical volunteerism, and shadowing experience among
others. Students are strongly encouraged to consider service-learning opportunities and activities that develop fine motor skills.

GOOD STANDING: To be considered in good standing with the Pre-Med Center, students should complete the registration form, submit annual updates to the Pre-Med Center as detailed in Stay on Track meetings each semester, and participate in the Health Sciences Advisory and Recommendation Committee (HSARC) process to obtain a letter of evaluation. Dental schools will request a HSARC committee letter of evaluation be submitted by Canisius College as part of each student’s dental school application.

FOR MORE INFORMATION OR IF YOU HAVE QUESTIONS ABOUT THE REQUIREMENTS OF A PARTICULAR DENTAL SCHOOL: Contact the Pre-Med Center (SH1026) at 716.888.2539 or email backstra@canisius.edu.

REQUIRED AND RECOMMENDED COURSES FOR PRE-DENT STUDENTS
All students, regardless of major, should take the required courses indicated below to be eligible to apply to a broad range of dental schools. In addition, certain other courses are recommended, although not required. Students must stay in contact with the Pre-Med Center regarding requirements for individual dental schools.

- English Composition – 1 course
  - FYS 101 or HON 101
- English Literature – 1 course
  - ENG 101 or HON (Literature designation)
- General Biology – 2 semesters with lab
  - BIO 111, BIO 111L, BIO 112, BIO 112L
- General (Inorganic) Chemistry – 2 semesters with lab (CHM 109/110 may substitute for CHM 111)
  - CHM 111, CHM 111L, CHM 112, CHM 112L
- General Physics – 2 semesters with lab
  - PHY 201, PHY 201L, PHY 202, PHY 202L
    - Or
    - PHY 223, PHY 223L, PHY 224, PHY 224L
- Organic Chemistry – 2 semesters with lab
  - CHM 227, CHM 227L, CHM 228, CHM 228L
- Biochemistry – 1 or 2 semesters with lab recommended
  - BIO 211, BIO 211L, BIO 212, BIO212L
    - Or
    - BCH 301, BCH 301L, BCH 302
- Psychology/Sociology – 2 semesters are recommended
  - PSY XXX (not PSY 201), SOC XXX
- Statistics – 1 semester is recommended
  - MTH 141 Or PSY201
• College Math – 1 semester is recommended (MTH 111 Calculus I is recommended - MTH 109/110 may substitute for MTH 111)

• Humanities and Social Sciences Recommended Courses
  ○ Students should select challenging courses in areas such as philosophy, ethics, literature, behavioral and social sciences, etc. to help develop strong critical analysis and reading skills.

• Science Recommended Courses
  ○ Students not majoring in the sciences should elect additional coursework in the sciences. Courses in Anatomy, Physiology, and Microbiology are especially useful for all majors as they are required by a significant number of dental schools.

GPA INFORMATION FOR PRE-DENT STUDENTS
The GPA reported on dental school applications may not be identical to the Canisius GPA. Application GPAs include all grades from all courses at all colleges/universities attended. Repeated courses will be included in dental application GPAs. GPA calculation spreadsheets are available through the Pre-Med Center for your use in determining your actual GPA for applications.

IMPORTANT INFORMATION FOR PRE-VET STUDENTS ABOUT REQUIREMENTS FOR MOST VETERINARY MEDICINE SCHOOLS

MAJOR: Veterinary medicine schools do not require or expect a specific major for admission. All pre-vet students should complete the recommended pre-vet coursework. Students who are majoring outside of the sciences should consider taking additional upper-level coursework in the sciences as electives.

AP CREDIT: Please be aware that many veterinary medicine schools DO NOT accept AP credit in biology, chemistry or physics. It is recommended that students with AP credit for a science course take the introductory biology, chemistry and physics sequences (BIO 111/112/L, CHM 111/112/L, PHY 201/202/L). Students desiring to not take these courses should discuss options with the Pre-Med Advisor.

VETERINARY MEDICINE SCHOOL ACCEPTANCE CRITERIA: In addition to GPA, DAT scores, veterinary medicine schools base their acceptance on service orientation, teamwork and leadership qualities, research experience, animal contact hours, and shadowing experience among others. Students are strongly encouraged to consider service-learning opportunities and activities that develop fine motor skills.

GOOD STANDING: To be considered in good standing with the Pre-Med Center, students should complete the registration form and submit annual updates to the Pre-Med Center as detailed in Stay on Track meetings each semester.
FOR MORE INFORMATION OR IF YOU HAVE QUESTIONS ABOUT THE REQUIREMENTS OF A PARTICULAR VETERINARY MEDICINE SCHOOL: Contact the Pre-Med Center (SH1026) at 716.888.2539 or email backstra@canisius.edu.

REQUIRED AND RECOMMENDED COURSES FOR PRE-VET STUDENTS
All students, regardless of major, should take the required courses indicated below to be eligible to apply to a broad range of dental schools. In addition, certain other courses are recommended, although not required. Students must stay in contact with the Pre-Med Center regarding requirements for individual veterinary medicine schools.

- English Composition – 1 course
  - FYS 101 or HON 101
- English Literature – 1 course
  - ENG 101 or HON (Literature designation)
- General Biology – 2 semesters with lab
  - BIO 111, BIO 111L, BIO 112, BIO 112L
- General (Inorganic) Chemistry – 2 semesters with lab (CHM 109/110 may substitute for CHM 111)
  - CHM 111, CHM 111L, CHM 112, CHM 112L
- General Physics – 2 semesters with lab
  - PHY 201, PHY 201L, PHY 202, PHY 202L
    - Or
  - PHY 223, PHY 223L, PHY 224, PHY 224L
- Organic Chemistry – 2 semesters with lab
  - CHM 227, CHM 227L, CHM 228, CHM 228L
- Biochemistry – 1 semester with lab required/2 semesters recommended (Guelph requires both BIO 211/212)
  - BIO 211, BIO 211L, BIO 212, BIO212L
    - Or
  - BCH 301, BCH 301L, BCH 302
- Microbiology – 1 semester with lab is recommended (required by most vet schools)
  - BIO 307, BIO 307L
- Genetics – 1 semester with lab is recommended (required by many vet schools, including Guelph)
  - BIO 404, BIO 404L
- Statistics – 1 semester is required
  - MTH 141 Or PSY201
- College Math – 1 semester is recommended (MTH 111 Calculus I is recommended by some schools - MTH 109/110 may substitute for MTH 111)
- Humanities and Social Sciences Recommended Courses
Students should select challenging courses in areas such as philosophy, ethics, literature, behavioral and social sciences, etc. to help develop strong critical analysis and reading skills.

- Science Recommended Courses
  - Students not majoring in the sciences should elect additional coursework in the sciences. Courses such as Comparative Anatomy, Physiology, and Cellular Biology are also useful as they are required by some veterinary medicine schools.

GPA INFORMATION FOR PRE-VET STUDENTS
The GPA reported on veterinary medicine school applications may not be identical to the Canisius GPA. Application GPAs include all grades from all courses at all colleges/universities attended. Repeated courses will be included in veterinary medicine application GPAs. GPA calculation spreadsheets are available through the Pre-Med Center for your use in determining your actual GPA for applications. The application science GPA includes: Animal Science, Biochemistry, Biology, General (Inorganic Chemistry), Microbiology, Organic Chemistry, Other Life Science, and Physics.
ADD a MAJOR or MINOR in POLITICAL SCIENCE… BUILD YOUR RÉSUMÉ

- The country & the world are changing…understanding politics is more important than ever
- See the department’s website: www.canisius.edu/political-science/

THE POLITICAL SCIENCE MAJOR (12 courses)

- Seven required courses: PSC 103, 104, 111, 140, 150, 217, and 401 (on-line/one credit).
- Five major electives: at least two of these courses at the 300 or 400 level, plus three others.

POLITICAL SCIENCE MAJOR HONORS PROGRAM

- Lengthy research paper in Political Science prepared under the supervision of a member of the Political Science Department (e.g., thesis for All College Honors Program).
- Grade point average overall: 3.30 & grade point average for major courses: 3.50.
- Apply as a junior or senior. Contact Dr. Occhipinti for details.

MINORS

Political Science Minor, 7 courses

- PSC 103, 104, 111, 140 & 150; one elective on American public policy and one elective on American political institutions & behavior.

Law and Public Policy Minor, 8 courses

- PSC 103, 215, 245, 320, 321 (or 420), 345, ECO 101 (macro-economics); and one elective in public finance/economics, such as ECO 411 or an approved substitute (see GriffAudit).

International Relations Minor, 9 courses

- PSC 140 and 150; world history sequence (2 courses); HIS 300 Historical Geography; International Business/Economics (1 elective course); three elective courses approved for IR (from PSC, HIS, IBUS, etc.); and modern foreign language requirement.

CO-CURRICULAR ACTIVITIES

- Students Clubs: College Republicans, Young Democrats, Phi Alpha Delta (Pre-Law/Mock Trial), EuroSim (EU Simulation), MUNDO (Model UN), Peace Action, Latin American Students and Friends (LASAF), and more…
- Travel: Washington, DC for career and networking with alumni (October) & Europe for EuroSim, and more through some of the student clubs connected with our department.
- Fitzpatrick Institute of Public Policy & Leadership: Guest speakers, symposia and support for student travel and projects.
- Raichle Pre-Law Center: Prepare for law school & participate in internships with judges or attorneys. Meet with the Director, Robert Klump (klumpr@canisius.edu).
  - See the Raichle Pre-Law pages for course offerings: Mock trial and Legal Reasoning
- Internships: State & local government in Buffalo or semester-long in Washington, DC
  - Please note that academic credit (pass/fail) for an internship requires help from a faculty member and an application submitted to Dr. Occhipinti by May 1.
PIN NUMBERS AND ADVISING
Be sure to check your GriffAudit and be able to explain your plans for a course schedule and graduation. Can be obtained, with advising, from any department member:
- Dr. John Occhipinti (occhipij@canisius.edu, 888-2695), Dept. Chair, Dir., Eur. Studies & IR
- Dr. Jonathan DiCicco (dicioccoj@canisius.edu, 888-2697), Dir., International Relations (IR)
- Dr. Paola Fajardo-Heyward (fajardop@canisius.edu, 888-2601), Dir., Latin Amer. Stds. & IR
- Dr. Kevin Hardwick (hardwick@canisius.edu, 888-2698), Director, Urban Studies
- Dr. Michael Haselswerdt (haselswm@canisius.edu, 888-2694), Fitzpatrick Institute

MAJOR ELECTIVES FOR FALL 2016
- For course descriptions, see the college catalog on the Canisius website.
- For days/times & core application, see the course schedule on the MyCanisius website.

Electives in American Politics and Public Law
PSC 215 National Issues (Hardwick)
PSC 224 Congress and the Legislative Process (oral communication for core) (Haselswerdt)
PSC 320 Constitutional Law I (Klump)
PSC 336 Urban Government and Politics (Hardwick)

Electives in International Relations and Comparative Politics
PSC 241 Human Rights and Globalization (intensive writing for core) (Fajardo-Heyward)
PSC 245 US Foreign Policy (DiCicco)
PSC 346 National Security Council (DiCicco)
PSC 370 Domestic Conflict and Peace (Fajardo-Heyward)
PSC 452 Politics of Identity in Europe (core curriculum capstone) (Occhipinti)

REQUIRED COURSES
- Offered in fall 2016: PSC 103, 104, 111, 140, & 150. See the course schedule online.
- FYI: PSC 217 is taught in the spring only. Plan accordingly if you want to graduate on time.

Please note: Dr. Fajardo-Heyward’s courses will be taught on-line near the beginning of the fall term and will then be taught in the classroom, as normal. This is why her courses are listed as HYB (“hybrid”) in the course schedule. It is likely that Dr. Fajardo-Heyward’s courses will be taught mostly face-to-face in the classroom, rather than mostly on-line. More information will be provided at the start of the semester.

Plan Ahead: Graduating in May or December 2017? You must take PSC 401 in Spring 2017
PSC 401: Senior Capstone Course (One Credit. Pass/Fail): This is a hybrid course that mostly entails learning online, rather than in the classroom. Offered spring only.
***NOTE: students need 120 credits to graduate and can take up to 18 credits each term without paying extra fees. PSC 401 counts for 1 of the 18 credits.
PSYCHOLOGY DEPARTMENT
Health Science 209 - 888-2510

PSYCHOLOPEDIA, our departmental publication, contains a complete description of all courses, minors, dual majors, practica, and student clubs and organizations offered in Fall 2016! The Psycholopedia can be accessed on the web by going to psycholopedia.net.

What is the advisement procedure?
For advisement assistance and to obtain your alternate registration pin number, contact your advisor via e-mail or phone for an appointment. ACT EARLY if you want to be sure of getting your alternate pin number in time for registration!!! If you do not know who your advisor is or have not yet chosen an advisor, please call or stop in and see Sharon Lotterer in the Psychology Department.

What courses are being offered in Fall 2016?

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>PSY 101 A, C, D</td>
<td>Introduction to Psychology I</td>
</tr>
<tr>
<td>PSY 201 A, B, C, D</td>
<td>Basic Stats for the Behavioral Sciences</td>
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<tr>
<td>PSY 202 A</td>
<td>Research Methods in Psychology</td>
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<td>PSY 203</td>
<td>Lifespan Developmental</td>
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<td>PSY 229</td>
<td>Industrial/Organizational Psychology</td>
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<td>PSY 230</td>
<td>Psychology of Religion</td>
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<td>PSY 302</td>
<td>Personality Psychology</td>
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<td>PSY 303</td>
<td>Abnormal Psychology</td>
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<td>PSY 307</td>
<td>Adolescent Psychology</td>
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<tr>
<td>PSY 312</td>
<td>Autism &amp; Developmental Disabilities</td>
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<td>PSY 326</td>
<td>Psychology of Memory</td>
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<tr>
<td>PSY 334</td>
<td>Child, Family and Community</td>
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<td>PSY 373</td>
<td>Behavior Modification</td>
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<td>PSY 384</td>
<td>Child Psychopathology</td>
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<td>PSY 391</td>
<td>Biopsychology of Stress</td>
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<tr>
<td>PSY 395 A</td>
<td>Assessment in the Behavioral Sciences</td>
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<tr>
<td>PSY 397</td>
<td>Neurobiology of Mental Disorders</td>
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<td>PSY 452</td>
<td>Techniques of Counseling</td>
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<tr>
<td>PSY 470 A</td>
<td>Controversial Issues</td>
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<td>PSY 495</td>
<td>Research Seminar in Psychology</td>
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<tr>
<td>PSY 498 B</td>
<td>Practicum: Industrial/Organizational*</td>
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<tr>
<td>PSY 498 C</td>
<td>Practicum: Clinical/Counseling*</td>
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<tr>
<td>PSY 498 D</td>
<td>Practicum: School Psychology*</td>
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<tr>
<td>PSY 498 E</td>
<td>Practicum: Sports Psychology*</td>
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<tr>
<td>PSY 498 F</td>
<td>Practicum: Forensic Psychology*</td>
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<tr>
<td>PSY 498 G</td>
<td>Practicum: Child, Family and Community*</td>
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RELIGIOUS STUDIES AND THEOLOGY

In the Department’s numbering scheme since 2009, **200 level courses** generally introduce a student to a religion or a particular method of the study of religion; **300 level courses** generally explore a particular topic or aspect of religion in greater depth. **400 level courses** are reserved for majors, minors, or special permission of the instructor (or Department Chair). All courses at the **200, 300, or 400 levels require RST 101 as a prerequisite.** Courses offered in Fall 2015 that had a previous number are noted as such; for a complete list of courses, see [http://www.canisius.edu/religious-studies/courses/](http://www.canisius.edu/religious-studies/courses/)

**For Majors:**
- Both Dr. Mitchell and Dr. Krawiec will be offering sections of **RST 201: Introduction to the Hebrew Bible**, Dr. Mitchell on MWF and Dr. Krawiec on TR.

Please note there will be only 1 non-Christian course taught this semester, in case majors still need that requirement met.

The Department will also be offering courses as free electives for the major.

- Fr. Christakis will teach **RST 219, History of Eastern Orthodox Christianity** (Field 1 & Global Awareness); Historical study of Eastern Christian Churches.

- **RST 224: Islam: Tradition and Revival** (Field 1, Global Awareness) will be offered by Ms. Candance Lukasik. This course addresses pre-Islamic Arabia to Muslim reform in the modern world. Islamic cult, institutions and faith. Islam in Africa, Asia and the Middle East today.

- Pastor Oskvig will teach **RST 229, Religious Perspectives on Animals** (Field 1); This course will focus on the historical and cultural relationship between the world's religions and the animal realm.

- Dr. Stencelik will teach **RST 314, The New Testament in Literature & Art** (Field 1 & Global Awareness); New Testament themes and personalities analyzed from a scriptural perspective and compared with expressions in the arts. Relationship of religion and art; scriptural roots of Christian art.

- Dr. Wadkins will teach **RST 327: Modern Global Christianity** (was RST 217; Field 1); historical study of the life, thought, and worship of Christians, both Protestant and Catholic, from the Reformation to the present. This is also a “Religion in the Modern World” course. This course can serve for credit for the history major.

- Fr. Pastizzo, S.J., **RST 267, Theology and European Film** (Field 1); Analysis of a selection of foreign films to understand the artists' positions regarding the nature of humanity, of God and of other theological themes.

- Fr. Moleski, SJ, will be offering **RST 242: Spirituality of Business** (Field 1, Ethics); Everybody is involved in business in the modern world: as employers, employees, investors, and customers. By far, the vast majority of our everyday decisions are made in a commercial context. Spirituality is based on a vision of ultimate reality and meaning. It provides practical wisdom about how to choose
good and avoid evil, and how to bear patiently with wrongs and wrongdoers. This course will offer some suggestions about how Christianity offers a way to make wise decisions and develop the virtues necessary for happiness in this world.

- Dr. Lawrence will offer **RST 323: Biblical Archaeology** (Field 1), a course that will investigate archaeological evidence to learn about ancient cultures and life in Biblical times, particularly to examine their influence on stories and concepts in Biblical texts.

- Dr. Rourke, **RST 342, Theological Ethics & Environmental Justice** (Field 1 with Ethics and Oral Communication attributes and service learning option). RST 342 is also part of the program in Catholic Studies, Environmental Studies, and the Ethics Program, as well as Women and Gender studies. Investigation of the models of theological ethics and the ways in which ethics informs human interaction with the environment.

- Fr. Moleski, SJ, will be offering **RST 343: Brother Sun, Sister Moon: A Franciscan Response to the Challenge of Science** (title change, shorter title is in the on-line registration; Field 1, ethics). This course will follow the lead of Pope Francis in retrieving the worldview of St. Francis of Assissi, who saw the whole of nature as coming from God, filled with the glory of God, and attracting all creatures to union with God. Students will be expected to develop a general understanding of the history of science and the challenges which various philosophies of science pose to belief in God as Creator and Redeemer. The tension between the mystical vision of St. Francis and naturalist philosophies of science will be approached from biblical, historical, philosophical, and systematic perspectives.

- Dr. Rouke will also teach **RST 345, BioMoral Problems** (Field 1 and Ethics attribute; service learning option; was RST 448); this also is part of the Catholic Studies program and the Women and Gender studies program. Considers a number of problem areas such as genetic intervention, medical experimentation, behavior control, organ transplants and resource allocation and death and dying.

In addition, one other department will offer courses that have Field 1 credit:

**PSY 230: The Psychology of Religion**, taught by Dr. Lodi-Smith, is a Field 1 course.

Please check [http://www.canisius.edu/rst/](http://www.canisius.edu/rst/) for more information about pursuing a major or a minor in Religious Studies and Theology. You may also contact Dr. Rebecca Krawiec, at krawiecr@canisius.edu or through the Religious Studies office (CT 1001 or x2820). Please be certain to check the Web for the days and times of the courses listed above.
SOCIOLOGY, ANTHROPOLOGY, AND CRIMINAL JUSTICE

The Department of Sociology, Anthropology, and Criminal Justice offers three majors:

- Sociology: [http://www.canisius.edu/sociology/overview.asp](http://www.canisius.edu/sociology/overview.asp)
- Anthropology: [http://www.canisius.edu/anthropology/overview.asp](http://www.canisius.edu/anthropology/overview.asp)
- Criminal Justice: [http://www.canisius.edu/anthropology/overview.asp](http://www.canisius.edu/anthropology/overview.asp)

And houses the major in:

- Environmental Studies: [http://www.canisius.edu/envstudies/courses.asp](http://www.canisius.edu/envstudies/courses.asp)

The Department also offers or contributes to minors in:

- Sociology: [http://www.canisius.edu/sociology/curriculum.asp](http://www.canisius.edu/sociology/curriculum.asp)
- Anthropology: [http://www.canisius.edu/anthropology/overview.asp](http://www.canisius.edu/anthropology/overview.asp)
- Criminal Justice: [http://www.canisius.edu/crim_just/courses.asp](http://www.canisius.edu/crim_just/courses.asp)
- Interdisciplinary minor in Child, Family, and Community Studies: [http://www.canisius.edu/sociology/overview.asp](http://www.canisius.edu/sociology/overview.asp)
- Peace and Justice Studies: [http://www.canisius.edu/sociology/peacejustice.asp](http://www.canisius.edu/sociology/peacejustice.asp)
- Computer Forensics: [http://www.canisius.edu/mcis/courses.asp](http://www.canisius.edu/mcis/courses.asp)

* See [EVST page](http://www.canisius.edu/sociology/overview.asp) for course listings and other information

**Advising:** Students should check their GriffAudit before scheduling an appointment with their advisor, and bring a tentative schedule for FALL 2016 to their meeting. Note that any student wishing to pursue an internship MUST seek approval by the end of the SPRING 2016 semester in order to register for FALL 2016.

**Fall 2016 courses in SOCIOLOGY**
SOC 110 Introduction to Sociology
SOC 342 Research Methods
SOC 355 Deviant Behavior
SOC 432 Theories of Sociology

**Other courses that count for SOCIOLOGY ELECTIVE CREDIT**
ANT 122 Sociocultural Anthropology
ANT 351 Qualitative Research Methods
CRJ 320 Criminology
CRJ 337 Violence and the Family

**Recommended sequence for Sociology majors:**
Freshman – SOC110, SOC111, MAT131
Sophomores or Juniors – SOC 342, any sociology elective
Sophomores, Juniors or Seniors – SOC 432, SOC 461; any sociology elective
Fall 2015 Courses in CRIMINAL JUSTICE
CRJ 227 Criminal Justice I
CRJ 320 Criminology
CRJ 351 Police in the Community
CRJ 357 Alternatives to Incarceration
CRJ 337 Violence and the Family
ANT 351 Qualitative Methods or SOC 342 Social Research Methods
CRJ 382 Ethics
CRJ 450 Criminal Law
CRJ 498 Criminal Justice Internship

Other Courses that count as Criminal Justice Electives
SOC 355 Deviant Behavior
ANT 310 Code Breaking

Please check offerings in Political Science for course availability in Fall 2015
PSC103; PSC 320; PSC321; PSC345

Recommended sequence for Criminal Justice majors:
Freshman – SOC110, MAT131
Sophomores or Juniors – CRJ 227, CRJ 228, CRJ elective
Sophomores, Juniors or Seniors – CRJ320, ANT 351, SOC 342, CRJ 382, CRJ 449, CRJ 450, CRJ 461; any CRJ elective

Fall 2015 Courses in ANTHROPOLOGY
ANT 121 Biological Anthropology
ANT 240 Anthropology and Film
ANT 122 Socio-Cultural Anthropology

ANT 230 Intro to Archaeology
ANT 365 Gender and Language
ANT 351 Qualitative Methods

Other courses that count as Anthropology Electives
Please check offerings in Religious Studies for course availability in Fall 2015
RST 221 Native American Religions; RST 222 African Tribal Religions; RST 360 Magic, Science and Religion; RST 332 Islam; RST 421 Hinduism; RST 450 Biblical Archeology

Recommended sequence for Anthropology majors:
Freshman – ANT 121, ANT 122
Sophomores or Juniors – ANT 230, any ANT elective
Sophomores, Juniors or Seniors – ANT 250 (or any linguistics), ANT 351, ANT 461; any ANT elective