To Look Up Classes:

- Go to [www.canisius.edu](http://www.canisius.edu)
- Click on MyCanisius
- Login to MyCanisius with your username and password
- Under “ONLINE TOOLS” select “Email, D2L, & Services”
- In the “Schedule and Registration” column select “Look Up Classes”
- Select “Spring 2016” from the drop-down list and click on “Submit”
- **Important:** 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.
Spring 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, October 31 from 8:30 am – 11:30 am
Saturday, November 7 from 8:30 am – 11:30 am
Saturday, November 14 from 8:30 am – 11:30 am
Saturday, November 21 from 8:30 am – 11:30 am

Spring 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>84.0 or more credit hours earned</td>
<td>Saturday, October 31 at 9:00 am</td>
<td>Monday, January 25 at 11:59 pm</td>
</tr>
<tr>
<td>54.0 – 83 credit hours earned</td>
<td>Saturday, November 7 at 9:00 am</td>
<td>Monday, January 25 at 11:59 pm</td>
</tr>
<tr>
<td>24.0 – 53 credit hours earned</td>
<td>Saturday, November 14 at 9:00 am</td>
<td>Monday, January 25 at 11:59 pm</td>
</tr>
<tr>
<td>0.0 – 23 credit hours earned</td>
<td>Saturday, November 21 at 9:00 am</td>
<td>Monday, January 25 at 11:59 pm</td>
</tr>
</tbody>
</table>

**Graduate Students**

All graduate students can begin to register for the Spring 2016 semester on Monday, November 2 at 8:30 am

Graduate Students are not required to obtain an Alternate/Registration PIN.
REGISTRATION LOGIN PROCEDURES FOR THE SPRING 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 “Spring 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 888-2990 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.

<table>
<thead>
<tr>
<th>Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before Financial Aid is Finalized for this semester</td>
</tr>
<tr>
<td>A Student must have accrued this minimum number of credit hours</td>
</tr>
<tr>
<td>Student must have minimum cumulative QPA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before Financial Aid is Finalized for this semester</td>
</tr>
<tr>
<td>A Student must have accrued this minimum number of credit hours</td>
</tr>
<tr>
<td>Student must have minimum cumulative QPA</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:

\[
\text{A, A-, B+, B-, C+, C, C-, D, F, P or U}
\]

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

\[
\text{W, I, FX or Blank grades}
\]

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
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 George Martin 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 a single 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.

Spring 2016 Honors Course Schedule
HON 111 Western Tradition II
HON 212 Beauty Matters*
HON 227 Vices & Addictions in American Society
HON 232 American Government: The User Guide
HON 241 History of Judaism
HON 242 Cultural Constructions of Jesus
HON 245 Homeric Epic*
HON 249 Magic, Science, and Religion
HON 323 The Opera
HON 325 Art, Advertising, and Activism
HON 352 Water & Society*
HON 356 Pope Francis: 21st Century Thinker*
HON 373 Living Writers
HON 382    Detective Fiction*
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 a month 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 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
Sophomore Accounting and AIS majors must take ACC 212 -- Principles of Accounting II and ACC 307 Accounting Information Systems in the spring semester. ACC 211 and ACC 212 are required for all advanced accounting courses.

Junior Accounting majors should take:
ACC 302 – Intermediate Accounting II.
MKT 201 – if not already taken
Eng. 389 (Business Communication)
Field or Arts and Science Elective
Field or Arts and Science Elective

Junior AIS majors should take:
ACC 331 (E-Business)
MKT 201 -- if you have not already taken it.
ENG 389 (Business Communications)
Field or Arts and Science Elective
Field or Arts and Science Elective

Senior Accounting Majors (Four year program) should take
ACC 416 (Advanced Taxation)
ACC 425 (Auditing)
LAW 372 (Commercial Organizations and Commercial Paper)
MGT 325 (Operations Analysis for Business)
MGT 446 (Managerial Policy/Strategy)

Seniors in the 150 hour MBA in Accounting program should take
MBA 716, 725, 507 and 690. In addition Law 372 should be taken. However you cannot register for these courses on-line. You will need to go to the graduate business office in order to get registered.

You should use GriffAudit to assist in evaluating your progress in fulfilling course requirements for graduation.

Senior AIS majors should take ACC 452 (Enterprise Systems) MGT 446 (Policy), Field or Arts and Science Elective as needed and a Free Elective.

All other business majors, other than accounting majors, should take ACC 202 (Managerial Accounting)
ANIMAL BEHAVIOR, ECOLOGY, AND CONSERVATION (ABEC)

**Major Information:**
The Animal Behavior, Ecology and Conservation major combines the rigorous scientific study of animal behavior with a values-focused curriculum in the liberal arts tradition. Course requirements are summarized at www.canisius.edu/abec.

**Minor Information for Non-Majors:**
Animal Behavior is also available as a minor for non-ABEC majors. The minor requirements are also summarized at www.canisius.edu/abec.

**Minor Information for ABEC Majors:**
The ABEC Department coordinates two minors that are available to ABEC majors:
- Anthrozoology, summarized at www.canisius.edu/abec/courses/anthrozoology-minor/.

**Courses offered in Spring 13:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABEC101</td>
<td>Introductory An Behav II</td>
<td>Cornelisse</td>
<td>Required ABEC course for freshmen</td>
</tr>
<tr>
<td>ABEC220</td>
<td>Animal Learning</td>
<td>Workman</td>
<td>ABEC Elective, lab required</td>
</tr>
<tr>
<td>ABEC220L</td>
<td>Animal Learning Lab</td>
<td>Workman</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC332</td>
<td>Animal Welfare</td>
<td>Suchak</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC342</td>
<td>Animal Geographies</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC339</td>
<td>Animal Enrichment</td>
<td>Margulis</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC351</td>
<td>Zoo Exhibitory (mini crs)</td>
<td>Margulis</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC363</td>
<td>Canine, Evolution &amp; Behav</td>
<td>Hoffman</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC370</td>
<td>Animal Cognition</td>
<td>Suchak</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC419</td>
<td>Anthrozoology</td>
<td>Waldau</td>
<td>ABEC Elective; Core cpstne. ABEC Sr only.</td>
</tr>
<tr>
<td>BIO317</td>
<td>Sex, Evol, Behav</td>
<td>Noonan</td>
<td>ABEC/BIO Elec; expctd for ABEC sophomores</td>
</tr>
<tr>
<td>BIO322</td>
<td>Conservation Biology</td>
<td>Margulis</td>
<td>ABEC/BIO Elective</td>
</tr>
<tr>
<td>BIO325</td>
<td>Reproductive Biopsych</td>
<td>Noonan</td>
<td>ABEC/BIO Elective</td>
</tr>
<tr>
<td>BIO375</td>
<td>Community Ecology</td>
<td>Costanzo</td>
<td>ABEC/BIO Elective</td>
</tr>
<tr>
<td>PHI245</td>
<td>Animal Ethics</td>
<td>tba</td>
<td>ABEC Requirement</td>
</tr>
<tr>
<td>RST229</td>
<td>Relg Prspctvs on Animals</td>
<td>Osvirk</td>
<td>ABEC Elective</td>
</tr>
</tbody>
</table>

In addition, the following experiential courses are offered for qualified students. They are all signature-only and specially scheduled. See your advisor for more information and access to these unique opportunities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABEC490</td>
<td>Ambassadors for Cnsvrty</td>
<td>Noonan</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC491A</td>
<td>Internship I - Anthrozoology</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC491B</td>
<td>Internship I - An Behavior</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC491Z</td>
<td>Internship I - Zoo Biology</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC492A</td>
<td>Internship II - Anthrool</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC492B</td>
<td>Internship II - An Behavior</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC492Z</td>
<td>Internship II - Zoo Biology</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
<tr>
<td>ABEC495</td>
<td>Independent Research</td>
<td>Russell</td>
<td>ABEC Elective</td>
</tr>
</tbody>
</table>

**Advisement:**
ABEC students must meet with an ABEC faculty member for advisement and to get their PINs. Please coordinate advisement appointments via Mary (fiorell3@canisius.edu) in the ABEC office (HSC201).
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 spring 2016 are in **Bold**.

Offered this Semester:

**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 (BIO211 and 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
- BIO 324: Human Anatomy
- BIO 340: Physiology
- BIO 365: Vertebrate Zoology and Ecology
- BIO 366: Ornithology

**TRACK 2: Biological Diversity**: Courses that illustrate the diversity of living systems
- BIO 305: Microbiology: Environmental
- BIO 307: Microbiology
- BIO 320: Field Ecology
- BIO 335: Plant Biology
- BIO 343: Entomology
- BIO 369: Plant Behavior
- BIO 370: Plant Morphology
- **BIO 375: Community Ecology**
- BIO 416: Virology

**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
- BIO 432: Developmental Biology
- **BIO 435: Developmental Neurobiology**
- BIO 445: Cellular Imaging
- BIO 455: Environmental Physiology

**TRACK 4: Genetics/Molecular Biology**: Courses in molecular biology/genetics (req. biochem).
- BIO 404: Genetics
- BIO 405: Medical Genetics
- BIO 408: Biotechnology
- BIO 412: Evolution & Development
- BIO 424: Epigenetics (with lab)
- BIO 450: Molecular Biology
**Biology Electives:**

- **BIO 312:** Primatology
- **BIO 317:** Sex, Evolution and Behavior
- **BIO 322:** Conservation Biology
- **BIO 325:** Reproductive Biopsychology
- **BIO 332:** Medical-Veterinary Entomology
- **BIO 343:** Medicinal Botany
- **BIO 345:** Functional Neuroanatomy
- **BIO 355:** Behavioral Neuroscience
- **BIO 360:** Environmental Health
- **BIO 371:** Behavioral Ecology
- **BIO 378:** Wetlands
- **BIO 406:** Population Genetics
- **BIO 424:** Epigenetics (lecture only)
- **BIO 440:** Medical Biochemistry
- **BIO 444:** Cancer Biology
- **BIO 454:** Intro Genomics/Proteomics
- **BIO 477:** Plants and Society

**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) and take 211/212 their junior year.

**Sophomore-Level Courses**

(Note that 211/212 may be taken by students in their junior year, along with Physics, 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) & CHM 112
- **BIO212** – spring course; requires C- in BIO211
Most biology majors also take CHM 227-228 along with BIO211/212 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
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. Coursework in computer science requires either three or four years. Foundational courses in biology and chemistry require two years to complete. These courses are taken together to ensure that students graduate from the program in four years. There is a Bioinformatics Minor in addition to the major. Students who are entering the program with advanced standing due to prior college work or AP, transferring into the major as sophomores or juniors, or who are interested in the minor, should consult with Dr. Debra Burhans, the Bioinformatics program director, about their course of study.

Advisement: All Bioinformatics majors and minors should contact Dr. Debra Burhans (phone: 888-2433, email: burhansd@canisius.edu) to schedule an appointment. Juniors and seniors should set up appointments as soon as possible.

Courses: BIF 400/400L – Advanced Algorithms (junior/senior required course)
This course fulfills the Core Advanced Writing Intensive requirement.
Perl programming fundamentals for parsing and data manipulation, algorithms including dynamic programming, graphs, combinatorial pattern matching, clustering, and Hidden Markov Models. MatLab and R will be introduced and used for modeling and data manipulation. This course is required for the Bioinformatics degree and, as CSC 400/L (without the writing attribute) counts as an upper-level elective for the Computer Science degree. Most CSC majors will elect the course as CSC 400/L, however, those interested in fulfilling the Core Advanced Writing Intensive requirement may elect the course as BIF 400/L with the permission of the instructor.
Prerequisites: CSC 111/L & MAT 191, or CSC 212/L, or MAT 230, or permission of instructor.

First Year Students: First year students typically elect BIO 112/L, CSC 112/L, CHM 112/L, and ENG 101 in the spring semester. Those with AP credit or other special considerations such as Honors should discuss alternative course selections with Dr. Burhans.

Sophomores: Sophomores typically elect BIO 212/L, CSC 213/L, PHI 101, MAT 191, and a core curriculum course in the spring semester. Students interested in medical school or possible graduate student in the life sciences should take CHM 228/L, Organic Chemistry II. Students wishing to double major in computer science may take CSC 281, a required, spring-only course for the CSC major. It may also be taken in the junior or senior year.

Juniors and Seniors: CSC 320/L (Socially Conscious App Development) is offered this spring and count as a BIF elective as well as a Core Capstone course. It is available ONLY to seniors. The math department is teaching MAT 342, Graph Theory, this spring, which counts as a BIF elective. For the course, you should have completed MAT 191 or MAT 230 with a good grade, if questions speak with Dr. Weston. ALL Juniors and Seniors must take BIF 400/L, the upper-level Bioinformatics Algorithms course. This course will not be offered again until Spring 2018. Additional BIF electives may be offered through other departments. The biology department if offering BIO 404, Genetics, and BIO 408, Biotechnology, both of which count as BIF electives. Check prerequisites and see me if you have questions, if you have completed the second year of
biology you should be able to get into those courses but we may have to contact the instructors since you don’t have the second semester of organic chemistry. This is not generally a problem.

Additional notes:

Juniors: Juniors should select one course from among the list of approved Bioinformatics electives (see the catalog), checking course availability in individual departments for the spring semester. In addition, a combination of additional Bioinformatics electives, core curriculum courses, and free electives should be selected in consultation with Dr. Burhans. Students taking a philosophy course are strongly encouraged to consider logic or ethics.

Seniors: Students graduating in Spring 2016 must ensure that all course requirements for the major are completed. Check participating departments for bioinformatics elective offerings for the Spring 2016 semester.

Bioinformatics Electives: A complete list of approved electives can be found in the Canisius College Undergraduate Catalog http://www.canisius.edu/catalog/. Note: students must check with the departments offering these courses to see which are offered this spring.

Web Site: Further information may be found on the Bioinformatics Program website http://www.canisius.edu/bif
Catholic Studies Minor

Each student who completes this minor will: 1) be knowledgeable about some facet of Catholic doctrine or piety and the relevance of a concept that originates from the Catholic philosophical or social traditions; 2) be able to think critically about the Catholic contribution in one area of history or culture; 3) become an effective scholarly researcher and writer about Catholicism and its intellectual heritage.

This means that a minor in Catholic studies offers excellent preparation for:
- Working in administrative, marketing, accounting or IT positions in Catholic organizations
- Preparation for entering the seminary or a religious order
- Teaching in the Catholic educational system
- Graduate work in theology
- A career in a Catholic social work agency or health care system

All courses in the Catholic Studies minor (except CTH 400) are offered in traditional academic departments and usually meet the criteria established by these departments for field studies or major credit. Most courses in the minor are part of the college’s core curriculum and therefore can be taken as a way to fulfill and focus core requirements.

Structure of the Catholic Studies Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RST 231 Introduction to Catholic Studies</td>
<td>3</td>
</tr>
<tr>
<td>CTH 400: Research in Catholic Studies (minor capstone)</td>
<td>3</td>
</tr>
<tr>
<td>One course in each of four areas:</td>
<td>12</td>
</tr>
<tr>
<td>- Catholic Theology and Life</td>
<td></td>
</tr>
<tr>
<td>- Catholic Culture: Literature, Art, Music &amp; Science</td>
<td></td>
</tr>
<tr>
<td>- Catholic History &amp; Politics</td>
<td></td>
</tr>
<tr>
<td>- Catholic Social Thought &amp; Philosophy</td>
<td></td>
</tr>
<tr>
<td>TOTAL (6 courses)</td>
<td>18</td>
</tr>
</tbody>
</table>

Students are also strongly encouraged to study a relevant language (such as Latin).

Courses offered in Spring 2015

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Courses offered in Spring 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catholic Culture: Lit, Music and Science</td>
<td>ENG 371A Special Topics: Irish Drama (Fld 3)</td>
</tr>
<tr>
<td></td>
<td>HON 242 Cultural Constructions of Jesus</td>
</tr>
<tr>
<td>Catholic Theology &amp; Life</td>
<td>RST 399C Liberation Theologies (core cpstn)</td>
</tr>
<tr>
<td></td>
<td>RST 230 Catholic Belief Today (Fld 1, ethics)</td>
</tr>
<tr>
<td>Catholic Social Thought &amp; Philosophy</td>
<td>PHI 302A Medieval Philosophy (Fld 2)</td>
</tr>
<tr>
<td></td>
<td>RST 341 Catholic Social Ethics: Theol Prspct (Fld 1, Adv Writ, Justice)</td>
</tr>
<tr>
<td>Catholic History &amp; Politics</td>
<td>HIS 226 History of Ireland (Fld 4)</td>
</tr>
<tr>
<td></td>
<td>RST 235 Religion and Politics (Fld 1; Oral; Justice)</td>
</tr>
<tr>
<td></td>
<td>HON 356 Pope Francis: 21st Century Thinker</td>
</tr>
<tr>
<td>Recommended: CLS 102 Elementary Latin; CLG 102 Elementary Greek</td>
<td></td>
</tr>
</tbody>
</table>

For more information or to ask about waivers for requirements, please contact program director Dr. Nancy Rourke in Churchill Tower 10-05 (888-2460 or rourken@canisius.edu).

23
CHEMISTRY and BIOCHEMISTRY

A) General Chemistry for Science Majors

CHM110 – General Chemistry I with Review II, continuation of CHM109, to be followed by CHM112 to complete the general chemistry sequence.

CHM112 – General Chemistry II, continuation of CHM111 and CHM110, completes the general chemistry sequence.

For courses in sections B and C see pages 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.

B) Chemistry and Biochemistry Fundamental Courses
1. Organic Chemistry II (CHM228 and 228L)
2. Analytical Chemistry (CHM230 and 230L)

C) In-depth Courses
1. Modern Physical Chemistry (CHM302 and 302L)
2. Cellular Biochemistry (BCH302)
3. Molecular Biology (BCH403 and 403L)
4. Instrumental Analytical Chemistry (CHM430 and 430L)
5. Two seminars: Communicating Concepts in CHM and BCH (CHM480) for juniors, and Communicating Research Literature (CHM481) for seniors

D) Chemistry Electives
   a) Modern Synthetic Methods (CHM401) This course can be taken with or without laboratory
   b) Research in Chemistry (CHM450, CHM451) and Research in Biochemistry (BCH450, BCH451) Each course 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.
SPRING 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 Canisius 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>). Spring Classics courses include:

“Elementary Greek II” (CLG 102), Professor Banchich*

“Homeric Epic” (HON 245), Professor Banchich***

“Elementary Latin II” (CLL 102), Professor Williams**

“Readings in Latin Literature” (CLL 204; Field 3), Professor Williams**

“Humanitas,” (CLL 400; Core Capstone) Professor Williams*

“Roman History” (CLS 104; Field 4, Global Awareness), Professor Banchich

“Mirror of the Past: Rome” (CLS 206; Field 3, Global Awareness), Professor Williams

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

“Greek and Roman Archaeology” (CLS 209; Field 5 and Global Awareness), Professor Warford

“Ancient Egyptian and Near Eastern Art” (FAH 210; Field 3, Oral Communication), Professor Kaufman

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

*Requires prior study of Greek. Contact Professor Banchich or Professor Williams for further information.

**Requires prior study of Latin. Contact Professor Banchich or Professor Williams for further information.

***No prior knowledge of Greek is required. Registration is not restricted to Honors students. Contact Professor Banchich for further information.
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. For those who wish to add communication skills to their current major, the department also offers a minor in Communication Studies. 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 Spring 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 319: Oral Communication attribute
COM 414: Core Capstone
DMA 214: Field 3 – Arts
DMA 215: Field 5 – Social Sciences
DMA 399: Core Capstone

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. Catherine Foster, interim director of the internship program.

**Communication Studies Course Offerings for Spring 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 319 Training & Development
- COM 320 Advertising Writing
- COM 330 Public Relations Writing
- COM 333 Environmental Communication
- COM 350 Health Communication
- COM 351 Media Ethics
- COM 357 Film Classics (ONL)
- COM 385 TV & Children
- COM 412 Public Relations Case Studies (ONL)
- COM 414 Issues in Integrated Marketing
- COM 418 Interviewing
- *FAS 141 Digital Photography
- *FAS 142 Travel Photography
- DMA 201 Intro to Digital Media
- DMA 212 2D Digital Graphics
- DMA 213 3D Graphics
- DMA 216 Digital Media Law
- DMA 217 3D Graphics
- DMA 218 Digital Media Law
- DMA 370 Designing for Mobile Devices
- DMA 387 Commercial Filmmaking & Video Prod.
- DMA 393 Advertising Design
- DMA 399 Social Documentary
- JRN 200 Multimedia Storytelling
- JRN 301 News Gathering and Reporting
- JRN 342 Narrative Journalism
- JRN 350-9 Sports Field Production
- JRN 490 Senior Project and Portfolio

*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 and DMA 399 are designated as CORE CAPSTONE courses.

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

**Spring 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 319  Training & Development
You will learn how to assess training needs in organizations, develop training programs, deliver training and evaluate training outcomes. The emphasis in this course is on developing and enhancing your skills in training others.

COM 320  Advertising Writing
Covers a variety of ways of developing advertising copy (copywriting) and creative concepts for persuasive advertising pieces. Includes workshop writing for a range of advertising tactics, including print, television and radio commercials, billboards and social media. The class works collaboratively with designers in DMA 393 to produce portfolio pieces.

COM 330  Public Relations Writing
Theoretical and practical perspectives on various forms of Public Relations writing. Students produce a portfolio of PR writing samples using a wide range of tools and techniques.

COM 348  Environmental Communication
Communicating environmental issues requires an understanding both of the environment and our role in it. Whether you’re interested in reporting on environmental issues as a journalist; promoting a better environment through public relations; or working as environmental activist, this course will help you understand and explain both the science and the importance of our environment to others.

COM 350  Health Communication
Do you plan on pursuing a career in the health care field or visiting a health care professional in the future? Learn more about health communication from both provider and patient perspectives. Focuses on theoretical approaches to health communication, influence tactics, challenges associated with medical adherence/compliance gaining, caregiver-client communication, how personality affects health decisions, nonverbal and verbal factors in the health interaction, and social-cultural factors in health.
COM 351 Media Ethics
Was it ethical for USA Today to run a story about tennis legend Arthur Ashe's having HIV when many respected journalists had chosen to sit on the information rather than publish it? Was it ethical for a sports reporter covering a Major League baseball team to accept a bowl of soup from the second baseman? Was it ethical for a photojournalist to shoot a picture of a starving girl in Africa as she crawled across the dusty ground to get food, all alone except for the vulture watching her intently? Explore these and other questions through the work of professional communicators—journalists, broadcasters, advertising and public relations practitioners, as well as cyber-communicators—and develop practices of making crucial media decisions based on principles and idealism. (Ethics Attribute)

COM 385 Television and Children 3 credits
Learn about the role of television in children’s lives. Course explores children’s television use, the development and content of children’s television programs (both commercial and educational), television and the family, and children’s advertising.

COM 412 Public Relations Case Studies 3 credits
Students will become familiar with a process for public relations problem-solving through analysis of PR cases in major areas of the field, including media relations, consumer/investor relations and crisis communications. Online.

COM 414 Issues in Integrated Marketing Communication (IMC) 3 credits
In this seminar, students explore a range of contemporary issues and news surrounding the advertising industry including consumerism, effects, ethics, racism and sexism and trends. Replaces Issues in Advertising. Core Capstone. Senior status only.

COM 488 Internship I Seminar 3-12 credits
Student experientially learns communication functions in compatibly matched professional setting, locally or out-of-town. Faculty and on-site supervision. Seminar required. Pass/fail. May be repeated as COM 498; 12-credit limit for COM 488/498 combined. Prerequisite: Open to junior and senior majors with G.P.A. of at least 2.50 and Communication Studies average of 2.70 and approved by department faculty. Applications on Communication Studies Department website.

COM 498 Internship II Seminar 3-9 credits
Sequel to COM 488 for students taking multiple internships. Each student is limited to a combined total of 12 credit hours for COM 488 and 498. Prerequisite: Same as for COM 488.

DMA 201 Introduction 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. COM Elective.

DMA 212: 2D Graphics, 3 credits
This course will familiarize students with techniques, file formats and applications for creation of 2D graphics. Students will develop digital image creation skills along with effective workflow habits. Prerequisite: DMA 201 or permission of instructor, open to all majors. COM elective

DMA 216: Digital Media Law, 3 credits
Introduces a wide range of legal and ethical issues in cyberspace, including: the First Amendment,
copyright, fair use, libel, hate speech, pornography, obscenity, privacy, commercial speech and national security. There is no prerequisite for this course, open to all majors. COM elective

**JRN 336 Sports Journalism**  
3 credits  
Instruction on covering sports in the 21st century, including exposure to cross-platform journalism and the influence of social media. Students will learn practices and theories commonly encountered in locker rooms and press boxes from those in the business. COM elective

**FAS 141 Digital Photography**  
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) (Field 3) COM Elective.

**FAS 142 Travel Photography**  
Learn how to navigate location shoots and capture the spirit of the specific culture in front of you. Find the right location shots, maximize the light situations regardless of climate or time of day and learn proper ethical behavior for photojournalists. Review basic camera operations for both film and digital picture taking. COM Elective. (Field 3 – Arts)
Computer Science

All students are welcome to take courses offered by the department provided they meet the prerequisites. Students must complete any required pre-college mathematics courses before attempting any Field 7 course.

Field 7 courses:
CSC 108/L – Introduction to Web Computing (Field 7; Ethics) Non-majors
This course introduces computing through the use of the Internet, the World Wide Web and Web programming. 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.

1st Year CSC courses:
CSC 112/L – Data Structures/Lab (4) (formerly CSC 212/L)
Introduction to Data Structures in Python.
Prerequisite: CSC 111 & CSC 111L with grade of C or better

2nd Year CSC courses:
CSC 213/L – Large Scale Programming (4)
Introductory concepts of software engineering applied to the design and implementation of larger software systems. Advanced data structures.
Prerequisite: CSC 212 & CSC 212L.

CSC 281 – Automata and Algorithms (3)
Introduction to the theoretical foundations of Computer Science.

3rd & 4th Year CSC courses:
CSC 320 – Social Impact of Computing (3)
*** CORE CAPSTONE and upper level CSC elective
Senior CSC/BIF students only

CSC 400/L – Advanced Algorithms (4)
*** upper level CSC elective
Junior/Senior CSC students only
Perl programming fundamentals for parsing and data manipulation, algorithms including dynamic programming, graphs, combinatorial pattern matching, clustering, and Hidden Markov Models. MatLab and R will be introduced and used for modeling and data manipulation. Problems are drawn from bioinformatics, but no prior biology or bioinformatics experience is required. NOTE: BIF students, including double majors, should elect this course as BIF 400/L, which includes the advanced writing intensive attribute.

Math Courses of interest to CSC majors:
MAT 111 – Calculus I (required for all majors & strongly encouraged during 1st year)
MAT 112 – Calculus II (required for science track majors only)
MAT 141 – Statistics (required for science track majors only)
MAT 191 – Discrete Mathematics (required for majors – Spring only course, sophomore and above ONLY, can substitute MAT 230)
MAT 342 – Graph Theory (NOTE: ***counts as CSC upper level elective credit***)
(For MAT 342 should have completed MAT 191 or 230 with a good grade, if questions talk to Dr. Weston)

Courses for CSC majors and minors by year:

**First year students** should take CSC 112/L, other courses will be determined based on student needs and could include mathematics.

**Second year students** should take CSC 213/L and CSC 281. If additional courses towards the major are sought MAT 191 could also be taken.

**Third year students** should take CSC 281. While normally taken during the sophomore year, this course was not offered last year as Dr. McConnell was on sabbatical. Students who need an upper-level CSC elective should consider taking CSC 400/L. (NOTE: BIF double majors will elect that course as BIF 400/L). There is also a math course this semester that counts as an upper-level CSC elective, MAT 342, Graph Theory. You should be strong in math and should have completed MAT 191 (or MAT 230) with a good grade.

**Seniors** should be completing their requirements. Some seniors, particularly those who came into the major after freshman year, will need to take CSC 281. This is a required course for the major. If you need an upper-level CSC elective and/or a core capstone, you can take CSC 320. In addition, CSC 400/L is available as an upper level CSC elective. (NOTE: BIF double majors will elect that course as BIF 400/L). There is also a math course this semester that counts as an upper-level CSC elective, MAT 342, Graph Theory. You should be strong in math and should have completed MAT 191 (or MAT 230) with a good grade.

**Upper-level courses are only offered every other year. Students should consult with their advisors** to fill out their schedule with core courses, minor courses, 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 or literature courses, which must include one in each of the following areas: Contemporary, British, and American.

### Major Course Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 294</td>
<td>Introduction to Creative Writing</td>
<td>McNally</td>
</tr>
<tr>
<td>ENG 299</td>
<td>Introduction to Literary Studies</td>
<td>Hodin</td>
</tr>
<tr>
<td>ENG 388</td>
<td>Literary Publishing</td>
<td>Cochrane</td>
</tr>
<tr>
<td>ENG 391</td>
<td>Advanced Creative Writing: Fiction</td>
<td>Gansworth</td>
</tr>
<tr>
<td>ENG 490</td>
<td>Creative Writing Capstone</td>
<td>McNally</td>
</tr>
</tbody>
</table>

### Contemporary Requirement

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>ENG 396</td>
<td>Rock &amp; Roll and Literature</td>
<td>McNally</td>
</tr>
<tr>
<td>HON 373</td>
<td>Living Writers</td>
<td>Cochrane</td>
</tr>
</tbody>
</table>

### British Requirement

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>ENG 301</td>
<td>British Literature I</td>
<td>Fulk</td>
</tr>
<tr>
<td>ENG 323</td>
<td>Shakespeare II</td>
<td>Johanna Fisher</td>
</tr>
<tr>
<td>ENG 371</td>
<td>Modern Irish Drama</td>
<td>Pribek</td>
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</tbody>
</table>

### American Requirement

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 225</td>
<td>Journey in American Literature</td>
<td>Gansworth</td>
</tr>
<tr>
<td>ENG 319</td>
<td>Civil War &amp; Reconstruction Lit.</td>
<td>Desiderio</td>
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</table>

### English & Literature Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>CLS 206</td>
<td>Mirror of the Past: Rome</td>
<td>Russell</td>
</tr>
<tr>
<td>CLS 207</td>
<td>Mythology and Literature</td>
<td>Williams</td>
</tr>
<tr>
<td>HON 245</td>
<td>Homeric Epic</td>
<td>Banchich</td>
</tr>
<tr>
<td>ENG 211</td>
<td>Science Fiction</td>
<td>Reber</td>
</tr>
<tr>
<td>ENG 223</td>
<td>Images of Women in Film &amp; Lit.</td>
<td>Fisher</td>
</tr>
<tr>
<td>ENG 224</td>
<td>Journey in World Literature</td>
<td>Gregorek</td>
</tr>
<tr>
<td>ENG 285</td>
<td>Animals in Literature and Film</td>
<td>Porter</td>
</tr>
<tr>
<td>ENG 381</td>
<td>Post-colonial Literature</td>
<td>Gregorek</td>
</tr>
</tbody>
</table>
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 (http://www.canisius.edu/dma).

Advisement
In order to register for the Spring 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.*
Student work 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 450: Serious Games (game design) – offered in Fall

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

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 Spring 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 212: 2D Graphics
- DMA 213: 3D Graphics (field 3: Art)
- DMA 216: Digital Media Law

**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 Spring 2016 are:

- DMA 370: Designing for Mobile Devices
- DMA 387: Commercial Filmmaking & Video
- DMA 393: Advertising Design (Senior Project and Portfolio requirement for Graphic Design concentration)
- DMA 399: Social Documentary (Senior Project and Portfolio requirement for Digital Filmmaking concentration, Core Capstone)

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

- COM 375: Film Classics
- COM 491, 492, 493: Video Institute I, II, III
- CSC 108: Intro to Web Computing
- CSC 212: Data Structures
- FAS 110: Two-Dimensional Design
- FAS 120: Drawing I
- FAS 131: Sculpture I
- FAS 141: Digital Photography
- FAS 142: Travel Photography
- SOC 324: Visual Sociology
- PHI 291: Philosophy of Art

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 212: 2D Graphics, 3 credits
This course will familiarize students with techniques, file formats and applications for creation of 2D graphics. Students will develop digital image creation skills along with effective workflow habits. Prerequisite: DMA 201 or permission of instructor, open to all majors.

DMA 213: 3D Graphics, 3 credits
This course is an introduction to digital 3D graphics for illustration, simulation, animation and game design. Students using Autodesk Maya, Mudbox and Unity game engine will learn basic techniques of modeling, texturing, lighting and animation as they draw inspiration for their projects from the rich history of visual arts. As of Fall 2015, this course is a prerequisite for all 300 level production courses that are part of the Game Design concentration. Prerequisite: DMA 201 or permission of instructor, open to all majors.

DMA 216: Digital Media Law, 3 credits
The course introduces a wide range of legal and ethical issues in cyberspace, including: the First Amendment, copyright, fair use, libel, hate speech, pornography, obscenity, privacy, commercial speech and national security. There is no prerequisite for this course, open to all majors.

DMA Elective Courses:

DMA 370: Designing for Mobile Devices, 3 credits
Proliferation of mobile devices in our society has had great effect on how information is distributed, how content is produced and how people interact with digital content. In this course students will learn how to create and design content targeted for mobile screens, and how to take advantage of mobile specific functionality such as touch, multi-touch, GPS and accelerometer. Prerequisite: DMA 201 or permission of instructor, open to DMA and Computer Science majors.

DMA 387: Commercial Filmmaking & Video, 3 credits
Students create short-form TV and Web video commercials, learn camera and lens techniques for shooting action B-roll (sports, how-to, music video etc.) promotional videos, and branded films. This course also covers wireless audio and LED lighting equipment for run-and-gun interview shooting, a crucial skill for broadcast, advertising or documentary work. Prerequisite: DMA 201 or permission of instructor.

DMA 393: Advertising Design, 3 credits
Offers experienced design students a series of challenging projects and exercises, characteristic of those found in the advertising industry. Projects will undergo proposal, development, and critique in a group setting. Projects will be done in collaboration with COM 320-Advertising Writing. This
DMA 399: Social Documentary, 3 credits
This course fulfills the Senior Project and Portfolio requirement for the Digital Filmmaking concentration and the Core Capstone attribute for graduating seniors. Students examine a survey of important documentary photographers and filmmakers in order to understand the social function and ethical issues of documentary images. Digital Filmmaking students script a blueprint for a large-scale documentary and the promotional clips and pilot scenes necessary to market their project. By integrating the Jesuit tradition of service-to-others with the skills of the filmmaker, DMA 399 students realize how engagement with social issues is a key ingredient to their professional success in the digital filmmaking industry. Prerequisite: DMA 201 or JRN 201, or permission of instructor.
ECONOMICS AND FINANCE DEPARTMENT

ECONOMICS COURSES

ECONOMICS 101: *Principles of Macroeconomics* 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.

ECONOMICS 102: *Principles of Microeconomics* 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.

ECONOMICS 205: *Intermediate Microeconomic Theory*, a required course for all Economics majors. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisites: Eco 101, Eco 102.

ECONOMICS 206: *Intermediate Macroeconomic Theory*, a required course for all Economics majors. An elective for Finance majors. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisites: Eco 101, Eco 102.

ECONOMICS 255: *Business Statistics I*, 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.

ECONOMICS 256: *Business Statistics II* is a required course for all Wehle School of Business majors, who should take it following Economics 255. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisite: Eco 255 or Math equivalent.

ECONOMICS ELECTIVES:

ECONOMICS 321: *Introduction to Economic Impact Analysis* is a course that will teach you how to estimate the impact of investment, public spending, and changes in taxation or regulatory policy on a regional economy. All of the economic impacts associated with a new project such as sales, income and employment will be projected. This course combines lectures, case studies, and hands-on experience using multiple software packages to conduct analysis. *Prerequisites: Eco 101, Eco 102, ECO 255.*

ECONOMICS 411: *State and Local Finance* analyzes the issues of expenditures, taxes and debt at the state and local government level. Can be used as a Finance elective. *Prerequisites: Eco 101, Eco 102, Eco 256.*

ECONOMICS 455: *Econometrics*. Estimation and analysis of linear and non-linear regression models using statistical inference. Topics include: multicollinearity, heteroskedastic and serially correlated errors, forecasting, dummy variables and simultaneous equations models. Emphasis on
analysis of data using EViews econometric software. A good course for those contemplating graduate school. Prerequisite: Eco 256 or Math equivalent.

**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 Griff center.

**FINANCE COURSES**

**FINANCE 100: Personal Finance** is a free elective course that provides an overview of personal financial planning. Consumer credit, tax planning, insurance, selection of investments, retirement and estate planning will be discussed. This course does not count as a major elective for Economics or Finance majors.

**FINANCE 201: Introduction to Finance** is 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, Acc 201 or 211, and Eco 255 (you can take Fin 201 and Eco 255 at the same time).

**FINANCE 311: Corporate Finance** is a required course for all Finance majors. Can be taken simultaneously with Fin 312. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisite: Fin 201.

**FINANCE 312: Investments** is a required course for all Finance majors. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisite: Fin 201.

**FINANCE 414: Portfolio Analysis** is a required course for all Finance majors. Should be taken following Fin 311 and Fin 312. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisites: Fin 311, Fin 312, Eco 256.

**FINANCE ELECTIVES:**

**FINANCE 420: Financial Institutions and Markets** examines the financial services industry and the role that financial intermediaries and financial markets are playing in a rapidly changing market. This course cannot be used as a major elective if you have already taken Eco 330. Prerequisite: Fin 201.

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

**FINANCE 455: Financial Modeling.** Programming in EXCEL via construction of custom functions and macros using Visual Basic. These techniques are applied to a variety of financial models. Prerequisites: Fin 311, Fin 312, Eco 256.

**FINANCE 480: Derivative Securities/Options** examines the nature and pricing of options, futures and swap contracts. Various risk hedging strategies using derivatives will be discussed. An
important course for those interested in an investment management career. Prerequisites: Fin 311, Fin 312, Eco 256.

**FINANCE 486: Golden Griffin Fund** is the second semester of two semester sequence involving the student-managed GGF investment fund. Prerequisite: Fin 485.

**ECONOMICS 206** and **ECONOMICS 411** can be used as Finance 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.

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

In order to receive their Registration PINs for Spring 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 Spring 2016

**200-level courses:**

- 211 Science Fiction
- 223 Images of Women in Film & Lit.
- 224 Journey in World Literature
- 225 Journey in American Literature
- 285 Animals in Film & Lit.
- 294 Intro. to Creative Writing (W)
- 299 Intro to English Studies

**Shakespeare:**

- 322 Shakespeare II

**Pre-1800 British lit:**

- 301 British Literature I

**Pre-1900 American lit:**

- 319M Civil War and Reconstruction Lit.

**English Major Electives:**

- 148 Acting II
- 350 The Theater Experience
- 371A Modern Irish Drama
- 381 Post-colonial Literature
- 383 Research Writing (W)
- 388 Literary Publishing
- 389 Business Communication (W)
- 392 Adv. Fiction Writing
- 396-X English Honors Seminar: Rock and Roll and Literature

**English Major capstone:**

- 450 Topic: “Forbidden Knowledge”

**Creative Writing capstone**

- 490 McNally

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

Core Capstone: 365-E Nazi Germany in Contemp. World Fiction  Johanna Fisher

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

Courses with Field 3 designation:

148 Acting II  Dugan
211 Science Fiction  Reber
223 Images of Women in Film & Lit. Jane Fisher
224 Journey in World Literature Gregorek
225 Journey in American Literature Gansworth
285 Animals in Film & Literature Porter
294 Intro. to Creative Writing McNally
350 The Theater Experience Dugan

Courses with Knowledge and Skills attributes:

Global Awareness 224 Journey in World Literature Gregorek
381 Post-colonial Literature Gregorek

Diversity 225 Journey in American Literature Gansworth

Adv Writing Intensive 223 Images of Women in Film & Lit. Jane Fisher
224 Journey in World Literature Gregorek
225 Journey in American Literature Gansworth
285 Animals in Film & Literature Porter
294 Intro. to Creative Writing McNally
383 Research Writing Reber
389 Business Communication Hammer

Oral Communication 148 Acting II Dugan
350 The Theater Experience Dugan

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.
English as a Second Language
Spring 2016 Course Offerings and Registration Reminders
For more information: contact porterb@canisius.edu

- Students taking ESL 112 should plan to take FYS101 International
- Students taking FYS101 International should plan to take ENG 101
- ESL 118 is strongly recommended for all students, and fulfills the Oral Communications Attribute requirement

ESL112: The Craft of Writing II
Intermediate level. Focus on mastering the writing process. Review of the basics of sentence and paragraph structure. Focus on organizing and developing short essays (2-4 pages) using key rhetorical patterns. Practice with writing research based essays. Participation in writing workshops. Emphasis on appropriate use of vocabulary, idioms, grammar and sentence structure. *(Fall and Spring as needed, 3 credits)*

FYS101: Perspectives on Culture and Identity
Intermediate to advanced level. Designed for a cross cultural audience, allowing both International and American students the chance to discuss how the places where we live or travel and the cultures which surround us—including virtual culture—influence our view of the world and our identities. Practice crafting thesis driven essays supported by research. *(Fall and Spring as needed, 3 credits)*

ESL115: The Art of Reading II
This course is intended to help students in all majors to improve their reading skill. Readings will be selected from various publications in areas which reflect the nature of academic and professional reading challenges including history, literature and art, social sciences and sciences, religion and philosophy. ESL 115 may be taken as a sequel to ESL114. *(Spring, 3 credits)*

ESL117: The Art of Conversation II
Students will participate in exercises ranging from dialogues to brief presentations. Emphasis on accurate communication of meaning as well as practice listening for main ideas and supporting evidence. Practice in asking and answering questions, understanding and responding appropriately to conversations with a partner and with multiple speakers in small groups. Practice in effective note taking. *(Spring, 3 credits)*

ESL118: The Art of Oral Presentations
Students in this course will learn to develop and give polished oral presentations. Practice with formal presentations including PowerPoint, visual aids and question and answer sessions. Emphasis on research based presentations. *(Fall and Spring, 3 credits)*

ESL 499: Independent Study
ESL 449 and ESL 549 are intended for students with special instructional needs. *(Dean’s permission only, 3 credits)*
The goal of the Entrepreneurship program is to help students and other members of the community discover their innate entrepreneurial potential, and to give them a set of tools and perspectives necessary to capitalize on that potential. There are many paths that entrepreneurial students can pursue, including: starting their own ventures; working in fast-growth, innovative firms; taking over a family-owned company; buying a business or acquiring a franchise; becoming corporate intrapreneurs; pursuing entrepreneurial ideas and concepts that create value by addressing societal needs in new and different ways in larger, established ventures; and looking to be entrepreneurs in the public sector. Students can also bring an entrepreneurial perspective to such disciplines as science, education, the arts, architecture, or engineering.

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/index.dot

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

**Required Entrepreneurship Courses**

*Spring only*

ENT 201: Introduction to Entrepreneurship *Fall only*

ENT 401: Small Business Management and Entrepreneurship *Spring only*

ENT 402: New Venture Creation (Capstone) *Fall only*

**Entrepreneurship Required Courses – Spring 2016**

**Experiential Entrepreneurship: Creativity, Innovation, Opportunity, and Idea Generation:** *(ENT 101)*: **Required for ENT major:** Provides a broad introduction to entrepreneurship and helps students to develop a mindset for thinking creatively, using innovation, recognizing opportunities, and generating entrepreneurial ideas. Other topics include strategic and tactical planning and the entrepreneurial activities of an actual business enterprise. Students will participate in the “Business Idea Pitch and Empire Creativity Competition”.

**No prerequisite; Open to business and non-business majors** including students from the College of Arts and Sciences and the School of Education and Human Services.

Instructor: **Dr. Ji-Hee Kim. Spring only**

**Entrepreneurship Electives – Spring 2016**

**Social Entrepreneurship and Not-for-Profit Sector Enterprise** *(ENT 314)*: **Elective for ENT major; May be used as MGT elective:** This practitioner-oriented course focuses on innovative, values-driven organizations which have explicit civic missions or social purposes and which are most typically associated with the not-for-profit sector of the economy. The chief aims of the course are: to help students understand and appreciate the role of the nonprofit sector in creating societal wealth; to engage participants in institutional efforts to create a good society through exposure to the work of these organization; and to have students consider a variety of forms of involvement available to aspiring entrepreneurs in preparing for leadership roles in their communities.

**Prerequisites for business majors:** MGT 101 AND MKT 201 or ENT 201 and Junior Standing.
No prerequisite for non-business majors including students from the College of Arts and Sciences and the School of Education and Human Services and Junior Standing
Instructor: Dr. Ji-Hee Kim. Spring only

Small Business Management and Entrepreneurship (ENT 401): Required for ENT major; ENT 401 must be taken prior to taking ENT 402. May be used as a MGT or MKT elective. Focuses on the most common problems encountered by owners, managers, and entrepreneurs in organizing and operating small enterprises. Topics include creativity and innovation; entrepreneurial strategy; pursuing new venture opportunities; the new venture business plan; creative small business marketing; innovative small business management; financial management in the entrepreneurial firms; and legal requirements. Students will obtain entrepreneurial experience through working with entrepreneurs small business enterprises. Prerequisites: MGT 101 and MKT 201 or ENT 201, FIN 201, ACC 202 and Junior standing, recommend Senior standing. Instructor: Dr. Ji-Hee Kim. Spring only

Human Resources Management (MGT 364) Required for MGT major; May be used as an ENT elective. Focuses on a firm’s human-resources management activities. Topics include contemporary approaches to staffing, performance evaluation, compensation and union-management relations. Prerequisites: MGT 101 and Junior standing. Instructor: Dr. Robyn Brouer. Spring only

Comparative Management Systems (MGT 472) – Required in International Business major; May be used as an ENT and MGT elective. International business emphasizing differences in systems. Context and traditions in different countries and regions; social, political, governmental, business, labor, ethical, and cultural analysis. Different management and business practices. Managing and doing business within and across many countries. Includes experiential with student from University of Chile. Instructor: Dr. Ron Rivas. Spring only

Global Logistics (MKT 478) – May be used as an ENT, IB, MGT and MKT elective. An introduction to logistics and transportation aspects of the distribution of goods globally. The advantages and disadvantages of the different modes of transportation and their impact on business decisions are explored in detail. Prerequisites: MKT 201. Instructor: Dr. Guy Gessner. Spring only

Intro to Digital Media (DMA 201) – May be used as an ENT elective. 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.

Commercial Filmmaking & Video (DMA 387) – May be used as an ENT elective. Students create short-form TV and Web video commercials, learn camera and lens techniques for shooting action B-roll (sports, how-to, music video etc.) promotional videos, and branded films. This course also covers wireless audio and LED lighting equipment for run-and-gun interview shooting, a crucial skill for broadcast, advertising or documentary work. Prerequisite: DMA 201 or permission of instructor.
ENVIRONMENTAL SCIENCE

Advisement Information

Advisement appointments for the spring will be posted on Dr. Costanzo’s door two weeks prior to registration. You will need to sign up for one of these appointments to get your PIN number for registration. Freshmen, you should see your Freshman Advisor, but feel free to come see Dr. Costanzo if you have any specific questions or concerns.

Freshmen:
- We will not be offering ENV100 this spring, please look for it next spring, and make sure to sign up for it then.
- You should continue taking biology (BIO112) and chemistry (CHM110 or 112). Please note that you **must** have a C- (70%) or better in BIO111 to continue into BIO112. If you are not on track to earn a C-, please talk to your instructor ASAP.
  - Once a student begins to take the bio sequence at Canisius, he/she **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 again.
- Consider taking MAT141, PSY201, or Calculus (to complete your math requirements)
- Also, please come introduce yourself to Dr. Costanzo so she’ll know your face. Her office is Health Science Building 301-A.

Sophomores:
- You may take BIO212: Biochemistry and Cell Biology 2 with its lab, but this is no longer required for the major.
- You should take CHM232: Environmental Analytical Chemistry
- You should sign up for ENV352: Sophomore Seminar
- You may choose to take CHM228, particularly if you are considering graduate school
- You should take ENV200: Hydrology & lab (if you are taking geology this semester)
- There are several Field courses that may be of interest. If they are offered this semester, you may be interested in taking Soc 234: Environment and Society (Field 5), PHI 245: Animal Ethics (Field 2 and Ethics), PHI 246: Ethics of Technology (Field 2 and Ethics), PHI 345: Justice and the Environment (justice attribute), and/or EVST 275: Global Env Problems (as a free elective).

Juniors and Seniors:
- 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. Completed internship applications must be received before the spring semester (date will be specified in advisement meeting) if they are to be considered for the spring semester.
- If you have not already taken it, you should take ENV200: Hydrology (with the lab). This is the only time it will be offered before you graduate.
• There are several upper-class electives that may be of interest. If they are offered this semester, you may be interested in taking Bio 307: Microbiology, BIO322 Conservation Biology, BIO370: Plant Morphology, Bio 375: Community Ecology, BIO378: Wetlands, and/or BIO406: Population Genetics as one or more of your upper-class electives.

• There are several Field courses that may be of interest. If they are offered this semester, you may be interested in taking Soc 234: Environment and Society (Field 5), PHI 245: Animal Ethics (Field 2 and Ethics), PHI 246: Ethics of Technology (Field 2 and Ethics), PHI 345: Justice and the Environment (justice attribute), and/or EVST 275: Global Env Problems (as a free elective).

Please check the web for the schedule of class times and see Dr. Costanzo if you have any questions.
Environmental Studies
Department of Sociology, Anthropology and Criminal Justice

Please see the Environmental Studies website for additional information.

- www.canisius.edu/envstudies

Advising: Students should check their GriffAudit before scheduling an appointment with Dr. Erin Robinson, and bring a tentative schedule for Spring 2016 to their meeting. October 28 will be the general major advising session from 11-3.

Spring 2016 courses in Environmental Studies
*EVST 111 Science of Environmental Problems
*SOC 234- TAKE AS ANT 340 Environmental Anthropology
SOC 273 Social Movements and Social Change
*EVST 400 Capstone in Environmental Studies (Register as SOC 324)
*EVST 498 Environmental Studies Internship

Note: If registering for an internship for Spring 2016, you must receive approval prior, BY NOVEMBER 2015 to pursue this for academic credit

Students should refer to the listings of the following departments to verify the offerings for required and elective courses that count for Environmental Studies, but are offered in different departments. Please check the following department listings for available Spring 2016 courses.

Department of Economics
*ECO 101
*ECO 310/311

Department of Religious Studies
*RST 342

Department of Philosophy
*PHI 244

Department of Psychology
PSY 329

Department of Biology
BIO 116
BIO 137
BIO 360

Department of Communication
COM 102
COM 348

Department of Management
MGT 350
MGT 337
ISB 302
ENT 101

* Required Course for Major
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 150A 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
- PSC 150A 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
EURO-SIM PROGRAM
• International, Intercollegiate Simulation of the European Union (EU)
  ○ 190 students from 15 colleges and universities in Europe and the US
• EuroSim 2016 at Antwerp, Belgium with Canisius group travel, after to Brussels, Paris and more (during January break). Cost of the trip is subsidized by the College.
  ○ Prior participated in EuroSim 2015 & PSC 355 required.
• Plan ahead: EuroSim 2017 (at Brockport) and EuroSim 2018 (Europe – location TBD)

COURSE HIGHLIGHTS FOR SPRING 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 104 Introductory French
FRC 217 French Composition
FRC 332 Substance and Style
FRC 453 War and Memory
GER 104 Introductory German
GER 216 Intermediate German II
GER 332 Substance and Style II
GER 457 German Theater-18th Century
ITA 104 Introductory Italian II
SPA 104 Introductory Spanish II
SPA 215 Intermediate Spanish
SPA 217 Spanish Composition
SPA 332 Advanced Spanish Composition
SPA 420 Reading/Writing Spain Today
PHI 304 Nineteenth Century Philosophy
PHI 302 Medieval Philosophy
FAM 119 Masterpieces of Music
FAM 213 Women in Music*
HON 323 Opera
PSC 150 Comparative Gov’t & Politics
PSC 345 Transnational Crime after 9/11*
PSC 452 Politics of Identity in Europe
CLS 104 Roman History
CLS 206 Mirror of the Past: Rome
CLS 207 Mythology and Literature
CLS 209 Greek and Roman Archaeology
CLS 214 Greek and Roman Tragedy
HIS 107 History of Europe 1500-1815
HIS 108 History of Modern Europe 1815-present
HIS 211 Women in the Western World*
HIS 213 Twentieth Century Europe
HIS 220 The History of Food *
HIS 339 Nazi Germany, WW2 and the Holocaust
HIS 230 The Holocaust in Historical Perspective
HIS 226 History of Ireland
HIS 345 The Soviet Union and After
HIS 387 Representations of the Holocaust
FAH 101 Caves, the Colosseum & Cathedrals
FAH 102 Altarpieces, Academies & the Avant-Garde
FAH 261 Monet and the Age of Impressionism
ENG 323 Shakespeare II
ENG 301 British Literature
ENG 371 Modern Irish Drama

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
Fine Arts Department
Art History Program

Highlights:
FAH210 has a newly approved Oral Communication Attribute
FAH261 is being taught online for the first time
FAH271 is being offered for the first time in the Spring Semester in over 5 years
FAH481 is a new 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 will visit area galleries and significant historical sites to expand their appreciation of ancient through Medieval art and architecture. (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 210 Ancient Egyptian and Near Eastern Art 3 credits
(Accepted for Classics major & minor credit) FAH210 provides an introduction to visual and cultural analysis and interpretation of the painting, sculpture and architecture of ancient Egypt and the ancient Near East. There are no pre-requisites for this course. (Field 3, Global Awareness, Oral Communication)

FAH 261 Monet and the Age of Impressionism 3 credits
This course is a visual and cultural analysis of major works from Western Europe and the United States from the early 19th century through Post-Impressionism. This course is being offered online for the first time and will include a face-to-face field trip to the Albright-Knox Art Gallery to view the exhibit “Monet and the Impressionist Revolution, 1860–1910” with the instructor. There are no pre-requisites for this course. (Field 3, Global Awareness)

FAH 271 Art in Buffalo 3 credits
An examination of the artistic and historical resources in the Greater Buffalo region, including prominent examples of architecture, museum collections and art in Western New York will be the central focus for this online course. The online format allows students to visit galleries and cultural spaces at their own pace and time during the week then journal and participate in discussion posts about their experiences. There are no pre-requisites for this course. (Field 3)

FAH481 The Art of the Selfie: Self Portraits: A Critical Survey 3 credits
FAH481 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
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 Spring 2016

Refer to the Canisius website [www.canisius.edu](http://www.canisius.edu) for days and times of courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of Music</td>
<td>FAM 115</td>
</tr>
<tr>
<td>Masterpieces of Music</td>
<td>FAM 119</td>
</tr>
<tr>
<td>America’s Music</td>
<td>FAM 124</td>
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<tr>
<td>Keyboard Musicianship</td>
<td>FAM 210</td>
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<tr>
<td>Women in Music</td>
<td>FAM 213</td>
</tr>
<tr>
<td>Theory II/ Theory II Lab</td>
<td>FAM 240/240L</td>
</tr>
<tr>
<td>Diction</td>
<td>FAM 255</td>
</tr>
<tr>
<td>Sounding Society</td>
<td>FAM 390</td>
</tr>
<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>Opera</td>
<td>HON 323</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 literature courses: FAM 119, 124, and 213.
- Field 3 music theory courses: FAM 115.
- Field 3 music elective: FAM 255.
- Honors Fine Arts course: HON 323.
- Service learning courses: Chorale (FAM 171, FAM 181).
- Attribute courses: FAM 119 (Global), FAM 124 (Diversity), and FAM 213 (Diversity).
- Core capstone: FAM 390
- Free electives: FAM 125/126/225/226 (lessons), and FAM 171-175/181-185 (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.

- Lessons: FAM 226 (8 credits in the same performance area required)
  - 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), 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):
THE DEPARTMENT OF FINE ARTS
STUDIO ART PROGRAM

Studio Art Minor

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 Spring 2015

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)

Electives for Studio Art Minor (Open to All Students)

FAS 131: Sculpture I (Field 3) (supplies fee required)

FAS 141: Digital Photography (Field 3) (DSLR camera and Adobe Photoshop CC required)
FAS 142: Travel Photography (Field 3) (Travel fee: $3,299; students will travel to Italy (March 24-April 4, 2016)).
FAS 222: Figure Drawing (Field 3 and Service Learning) (supplies fee required)
First-Year Seminar 101

Explorations of Academic Writing

The Canisius College First-Year Seminar is designed to introduce students to college-level work, with particular attention paid to skills in writing and information literacy. Faculty from diverse departments throughout the college teach sections of the First-Year Seminar course that have individual themes. Students are encouraged to select a section with a theme that especially interests them. See the official course schedule on the Web for days and times.

Critical Thinking/Current Issues
In this course we will consider several current issues—like immigration, the value of a college education, and the role of technology in our society. As we do so, we will learn to critique positions on these issues and to mount arguments of our own on them. In addition to reading the pre-selected pieces in our textbook, we will tap into the sophisticated popular press (sources like The New York Times or The Wall Street Journal) to extend our learning from the main course textbook.

Crossing Borders
The course content explores questions around the central concept of borders and border crossings: What are borders? Who are border crossers? How do borders influence the ways we speak and write? How does technology and social media change our understanding of borders? Readings by cultural scholars, economists, novelists, poets, political theorists, travel writers, and others take up these issues and more.

Culture and Identity
The course content focuses on culture and identity, investigates the question, “How does culture and place shape identity?” It is designed for a cross cultural audience, allowing both International and American students the chance to engage in a conversation about how our cultural identities are shaped and influence our view of the world and ourselves. The course is designed for international students who are learning English as a second language (intermediate and advances levels) and seeking a chance to interact and work with American students. In this way, the course is ideal for native English speakers who have a desire to learn more about identity and culture in other parts of the world. The course will consider the ways in which the place(s) we live or travel and the culture(s) which surrounds us shape our identities.

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.
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 and Phi Alpha Theta!

Advising
History majors should meet with their departmental advisers to obtain PIN numbers and talk about courses for the spring. 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. (CT-608, X 2763).

Spring Semester Courses
Below is a basic list of the spring course offerings. We have several new courses as noted below. As you’re thinking about what to take you’ll want to look at the course descriptions; if you’d like a printed copy of the “course descriptions” document, stop by the History Office (CT-615).

CLS 104* Roman History (Europe, pre-1800)
HIS 107* History of Europe 1500-1815
(Europe, Pre-1800)
HIS 108* History of Modern Europe 1815-present (Europe)
HIS 110* History of Asia since 1800
(Africa/Asia/Latin America)
HIS 123* US History to Reconstruction (US, Pre-1800)
HIS 124* US History 1877 to the Present (US)
HIS 132* Latin American History Since 1830
(Africa/Asia/Latin America)
HIS 204 Soccer in Global History (Europe; Asia/Africa/Latin America)
HIS 209 Greek and Roman Archaeology
(Europe, pre-1800)
HIS 211 Women in the Western World
(US/Europe)
HIS 213 Twentieth Century Europe (Europe)
HIS 220 The History of Food (Europe)
HIS 226 History of Ireland (Europe)
HIS 230 The Holocaust in Historical Perspective (Europe)
HIS 236 From Washington to Lincoln: The Making of American Democracy (US)
HIS 254 First Peoples (US, pre-1800)
HIS 260 Canada and the World (US)
HIS 263 Wars of Latin America
(Asia/Africa/Latin America)
HIS 299 The Historian’s Craft: America and the Great Awakening (US)
HIS 339 Nazi Germany, WW2 and the Holocaust (Europe)
HIS 345 The Soviet Union and After
(Europe; Asia/Africa/Latin America)
HIS 386 The Civil War Era (US)
HIS 387 Representations of the Holocaust
(Europe)
HIS 401 Historical Methodology (History Honors)
HIS 408 Social Movements and Song
(History Seminar)
HIS 421 Nature and the Arts of Angling, Restoration, and Contemplation (US)
HIS 470 American Women in History and Literature (US)

* Please remember that only four 100-level courses may be counted toward major requirements.
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 3 (Arts and Literature)  HIS 387
Field 5 (Social Sciences)  CLS 209
Diversity:  HIS 123, 124, 236, 254
Ethics: HIS 387
Advanced Writing Intensive:  HIS 299
Core Capstone:  HIS 421, 470

Contact Dr. David Devereux, Chair, X 2763
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

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 course in Human Resource Management Minor offered Spring 2016
MGT 364  Human Resource Management (offered Spring semester only)

Elective courses in Human Resource Management minor offered Spring 2016
COM 204  Interpersonal Communication
COM 319  Training and Development (offered Spring semester only)
MGT 493  Internship in Human Resource Management
PSY 329  Leadership & Motivation (offered Spring semester only)
Information Systems is an exciting and dynamic discipline with many career options in virtually all industries. The Information Systems major is designed for students who want exciting careers learning and applying the latest technologies in creative ways to achieve business success. All businesses rely on technology to remain competitive and technology skills make graduates competitive in the job market. For more information about becoming an Information Systems major, please contact Dr. Edward Garrity at 888-2267 or Associate Dean, Dr. Gregory Wood at 863-3881.

IMPORTANT, Please note: All sophomores in Information Systems must take ISB 211, Visual Programming this spring. If you are an upper-classman and you have not yet taken ISB 211, you must do so this spring. ISB 211 will not be offered in Spring 2017.

Required courses and semesters they are offered:

- ISB 205 Management Software [Fall]
- ISB 340 Data Management [Fall]
- ISB 350 Networking [Fall]
- ISB 455 E-commerce [Spring] (prerequisites: ISB 340, or permission from instructor) offered Spring 2016.
- IS electives (1 or 2) from the list below:

IS Elective courses:
- ISB 496 Internship [Fall, Spring, Summer] by approval.
- Additional electives can come from Digital Media Arts (DMA) or Computer Science, with permission from the Marketing & Information Systems Chairperson.

<table>
<thead>
<tr>
<th>Information Systems MINOR</th>
<th>Computer Forensics MINOR</th>
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<tr>
<td>COURSES</td>
<td>COURSES</td>
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<tr>
<td>1. ISB 211 or ISB 205</td>
<td>1. ISB 460, Computer Forensics</td>
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<tr>
<td>2. ISB 340</td>
<td>2. ISB 470</td>
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<tr>
<td>3 additional ISB (except ISB 496)</td>
<td>3. CRJ 227</td>
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</table>
For a complete listing of the courses required for the Information Systems Major and related programs, please consult the program web page: http://www.canisius.edu/information-systems/

**Required Courses offered in Spring 2016**

**ISB 101 Management Technology 3 credits**
Introduction to information systems, hardware and software; information systems concepts in business; telecommunications; Ecommerce; enterprise systems; ethics, crime and security. Hands-on development of business applications. **Cathy Laberta, Dr. Linda Volonino, Jim Connolly**

**ISB 211 Visual Programming for Business 3 credits**
Introduction to the Visual Basic programming language and fundamentals of software design. Database programming, interface design and general problem solving with an emphasis on business applications. Prerequisite: ISB 101. Instructor: **Dr. Edward Garrity**.

**ISB 455 E-Commerce 3 credits**
Fundamentals of E-commerce applications and technologies. Interactive website and or consumer shopping ecommerce design and development. Prerequisite: ISB 340. Instructor: **Dr. Edward Garrity**.

**ISB 475 Systems Analysis and Design 3 credits**
In-depth coverage of information systems development. Topics include the systems development life cycle, analysis methods, data flow diagramming, design tools, and project management techniques and concepts. Prerequisite: ISB 340, ISB 350, and senior standing. Instructor: **Dr. Edward Szewczak**

**Elective Courses offered in Spring 2016**

**ISB 460 Computer Forensics 3 credits**
Introducing forensics tools to investigate computers, networks, Internet activities, Email, cell phones and other digital media devices to recover electronic evidence, even if it’s been deleted. Skills to investigate crimes involving computers or Internet. Prerequisite: ISB 101 or equivalent. Instructor: **Dr. Linda Volonino**.

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**Advising**

Dr. Edward Garrity, Chair of Marketing & Information Systems, 888-2267 | Tower 501
General information: Ms. Norma Jolls, 888-2215 | Tower 516
Ms. Hetal Patel, Program Adviser, 888-2215, by appointment | Tower 516
Dr. Greg Wood, Associate Dean, 863-3881 | Bagen 103
Dr. Linda Volonino, 888-2219 | Tower 504
INTERNATIONAL BUSINESS

Courses for International Business Majors for the Spring, 2016. The MGT 472 and MGT 380 courses can also be used to fulfill the requirements of the International Management Minor.

Required IB Courses:

MGT 472 Comparative Management Systems
MKT 375 International Marketing

IB Electives Spring 2016

International Business Seminar (MGT 380 A) – may be used as an IB and MGT elective.
This unique course involves a 2.5 week trip to Europe and involves reading assignments, pre-departure research on companies, meeting with executives and faculty discussion sessions. Students submit a paper within 6 weeks after returning home. Instructor: Dr. Ronald Rivas

International Business Seminar (MGT 380 B) – may be used as an IB and MGT elective.
This May we are offering a 10-day trip to Brazil to study sustainable communities in the Mata Atlantica area around Rio de Janeiro. Students who participate in this trip will register for MGT 380 B as part of their schedule for the spring semester. This course will fulfill both Management and International Business elective requirements. Students who would like to petition to use this course as part of their International Relations or Latin American Studies major must speak with their major advisors about this. For more information concerning this course, please contact Dr. Snodgrass at ext. 2607 or email her at: snodgras@canisius.edu. This course requires a faculty signature for registration.

Global Logistics (MKT 478) – may be used as an ENT, IB, MGT and MKT elective.
An introduction to logistics and transportation aspects of the distribution of goods globally. The advantages and disadvantages of the different modes of transportation and their impact on business decisions are explored in detail. Prerequisites: MKT 201. Instructor: Dr. Guy Gessner. Spring only

International Relations Courses: These courses can be used as International Business electives if the student arranges with the faculty member teaching the course to produce a paper on a topic relating the course material to issues in international business.

Political Economy of the Developing World (PSC 360)

Politics in Latin America (PSC 250)

Reminder: Please remember that all International Business majors must complete a language through the 216/7 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 an international 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 or International Relations. Keep in close contact with Laura McEwen for business, Dr. Reitsma for Modern Languages or Dr. DiCicco for International Relations to be sure you are taking all the correct classes for both majors. You can reach Laura McEwen at ext. 2142 and Dr. DiCicco at ext. 2697.

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

For all questions concerning CIBA, the Canisius International Business Association, please contact Ian Weaver at weaveri@canisius.edu.
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 myCanisius to access the days and times for specific courses. For course descriptions and additional information please consult the Undergraduate Catalog.

Advisement and Courses Required of International Relations Majors

Advisement: 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 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 send Dr. DiCicco a written request.

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

- 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 for most students it will count only as a free elective.

Spring 2016 Bulletins

GRADUATING SENIORS: Please note all three of the following:

(1) All International Relations majors who are planning to graduate in May 2016 must have taken HIS 300 Historical Geography or an approved equivalent. HIS 300 will not be offered during Spring 2016, so if you have not yet taken this course, you must plan to register for an acceptable alternative. If you are in this situation, 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.
(2) All seniors should have taken a course to fulfill the American Foreign Relations requirement by now. If you have not yet taken a course to complete your American Foreign Relations major requirement, please email Dr. DiCicco (diciccoj@canisius.edu) before registration begins.

(3) Lastly, PSC 442 Seminar in International Relations is required of all graduating majors. If you plan to graduate in 2016 and need to take PSC 442, contact Dr. DiCicco immediately to request a seat in this course, which will also count as a Core Capstone.

ALL FRESHMEN & SOPHOMORES who have not yet taken PSC 140 Introduction to International Relations must enroll in this course in Spring 2016. If you have already taken this course or, for any 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 Spring 2016:

- **HIS 107 History of Europe 1500–1815** (companion course to HIS 108)
- **HIS 108 History of Europe 1815–present** (companion course to HIS 107)
- **HIS 110 History of Asia since 1800** (companion course to HIS 109)
- **HIS 132 Latin American History since 1830** (companion course to HIS 131)
- **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)

MGT 380, MGT 472, or MKT 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, including:

- **FRC 104** Introductory French II, **FRC 217** French Composition, **FRC 324** Topics in Conversation I, **FRC 332** Substance and Style: Effective Writing in French II; **GER 104** Introductory German II, **GER 216** Intermediate German II, **GER 332** Substance and Style/Effective Writing in German II; **SPA 104** Introductory Spanish, **SPA 215** Intermediate Spanish, **SPA 217** Spanish Composition, **SPA 324** Topics in Conversation II: Spanish Culture and Civilization, **SPA 332** Advanced Spanish Composition; **ARBC 104** Introductory Arabic, **ARBC 217** Advanced Introductory Arabic, **ARBC 324** Intermediate Arabic; as well as several upper level courses that may be counted as World Culture electives for the IR major (see “IR World Culture Electives, Spring 2016” below. For more information on additional opportunities made possible by the DMLLC please see their advisement guide pages or contact Department Chair Dr. Richard Reitsma.
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. 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, Spring 2016

HIS 213 Twentieth Century Europe
HIS 226 History of Ireland
HIS 230 The Holocaust in Historical Perspective
HIS 260 Canada and the World (Dr. Devereux)
HIS 263 Wars of Latin America (Dr. De La Pedraja)
HIS 339 Nazi Germany, WW2 and the Holocaust
HIS 345 The Soviet Union and After (Dr. Maddox)
MGT 380 International Business Seminar* (two distinct sections; requires travel; see below)
MGT 472 Comparative Management Systems
MKT 475 International Marketing
PSC 249 Protest, Politics, and the State in Today’s World (Dr. DiCicco) NEW!**
PSC 250 Latin American Politics (Dr. Fajardo-Heyward)
PSC 345 Transnational Crime after 9/11 (Dr. Occhipinti)
PSC 360 Political Economy of the Developing World (Dr. Fajardo-Heyward)
PSC 452 Politics of Identity in Europe (Dr. Occhipinti)

* There are two sections of MGT 380 International Business Seminar offered in Spring 2016:
MGT 380A (Dr. Rivas) involves a 2.5 week trip to Europe and involves reading assignments, pre-departure research on companies, meeting with executives and faculty discussion sessions. Students submit a paper within 6 weeks after returning home. MGT 380B (Dr. Snodgrass) involves a 10-day trip to Brazil to study sustainable communities in the Mata Atlantica area around Rio de Janeiro. For more information concerning this course, please contact Dr. Snodgrass at ext. 2607 or email her at: snodgras@canisius.edu. This course requires a faculty signature for registration.

** New! PSC 249 Protest, Politics, and the State in Today’s World (Dr. DiCicco)
People, protests, and politics in the current world system from the Arab Spring to Zuccotti Park.
The course will investigate popular movements and activism with transnational features, and analyze the consequences of such protests for governments and world order. For more information about this new IR/PSC elective, contact Dr. DiCicco at diciccoj@canisius.edu.

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, Spring 2016

FRC 453 War and Memory (Dr. Angelini; FRC Elective; prerequisites)
GER 457 German Theater from the 18th Century (Dr. Boehm; GER Elective; prerequisites)
HIS 204 Soccer in Global History (Dr. Maddox)
HIS 220 The History of Food (Dr. Gibert)
HIS 387 Representations of the Holocaust
HON 356 Pope Francis: 21st Century Thinker (Fr. Pribek)
HON 382 Detective Fiction (Latin American literature; Dr. Reitsma)
SPA 420 Reading/Writing Spain Today (SPA elective; prerequisites)

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/.

Dual Majors

Students with an International Relations major and adequate free electives may add a dual major. Common choices include History, Modern Language, 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 (http://www.canisius.edu/latin-american/courses/) for details and requirements before inquiring with Program Director Dr. Paola Fajardo-Heyward (fajardop@canisius.edu) about adding this co-major.

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

International Affairs Society (IAS)
- E-board officers needed! Contact Dr. DiCicco if you’re interested in serving as a leader!
- Film nights and other IR-related activities in the past; this defunct club awaits reinvigoration.

Model United Nations (MUN) – simulations of diplomacy and UN deliberations
- **Intercollegiate Model United Nations conferences**, Spring 2016 – contact a MUNDO officer
- Organization and staffing of the 38th Annual High School Model United Nations Conference at Canisius College, Fall 2016
- “Canisius College Model UN Then & Now” groups on Facebook

Peace Action Canisius College
- Peace Action Canisius College is a student group dedicated to empowering student advocates to take action on issues of peace and justice, with a special focus on issues with international dimensions. The club works through education, grassroots organizing and action campaigns to promote informed student activism, build leadership skills, and promote a sense of global awareness. For more information check out the club on GriffLink or contact Alic Iwanenko at iwanenka@canisius.edu!

International Relations on the Web
- **Facebook** (GriffIntRels)
- **Twitter** (@CanisiusIR)
- **Tumblr** ([http://intrel-at-cc.tumblr.com/](http://intrel-at-cc.tumblr.com/)), and
- **Instagram** (@ircrazed)

For one-stop shopping, use the links at the top of Dr. DiCicco’s mobile-friendly website, [www.jondicicco.com](http://www.jondicicco.com).
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 the Communication Studies and Digital Media Arts courses accepted in the Journalism major, offered in Spring 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 Spring 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 Spring 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 304: Field 5 – Social Sciences
- COM 350: Field 5 – Social Sciences
- COM 414: Core Capstone
- DMA 212: Field 5 – Social Sciences
- DMA 399: 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 Spring 2016

Required Courses

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>COM 203</td>
<td>Writing for the Public Media</td>
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<tr>
<td>COM 351 or DMA 216</td>
<td>Media Ethics/Digital Media Law</td>
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<tr>
<td>JRN 200</td>
<td>Multimedia Storytelling</td>
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<tr>
<td>JRN 301</td>
<td>News Gathering and Reporting I</td>
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<tr>
<td>JRN 490</td>
<td>Capstone</td>
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Elective Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>JRN 336</td>
<td>Sports Journalism</td>
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<tr>
<td>JRN 342</td>
<td>Narrative Journalism</td>
</tr>
<tr>
<td>JRN 358</td>
<td>Sports Field Production I</td>
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<tr>
<td>JRN 359</td>
<td>Sports Field Production II</td>
</tr>
<tr>
<td>DMA 212</td>
<td>2-D Graphics</td>
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<tr>
<td>DMA 213</td>
<td>3-D Graphics</td>
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</table>

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

Spring 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.

COM 351 Media Ethics
Explores ethics across mass media disciplines, through the work of professional communicators—journalists, broadcasters, advertising and public relations practitioners, as well as the new cyber-communicators. Develop practices of making crucial media decisions based on principles and idealism.
JRN 200 Multimedia Storytelling
Introduces the fundamentals of 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 301 News Gathering and Reporting I
The objective is for students to learn about and practice gathering news and information through a range of professional methods for delivery, amplification and promotion across a variety of platforms.

JRN 336 Sports Journalism
Covering sports in the 21st century, including exposure to cross-platform journalism and the influence of social media. Students will learn practices and theories commonly encountered in locker rooms and press boxes.

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 490 Capstone
Culminating experience for Journalism majors in which they synthesize what they have learned in their program of study. Students work as part of reporting/writing/editing teams to produce publishable multimedia community journalism projects.

DMA 212: 2D Graphics, 3 credits
This course will familiarize students with techniques, file formats and applications for creation of 2D graphics. Students will develop digital image creation skills along with effective workflow habits. Prerequisite: DMA 201 or permission of instructor, open to all majors.

DMA 213: 3D Graphics, 3 credits
This course is an introduction to digital 3D graphics for illustration, simulation, animation and game design. Students using Autodesk Maya, Mudbox and Unity game engine will learn basic techniques of modeling, texturing, lighting and animation as they draw inspiration for their projects from the rich history of visual arts. As of Fall 2015, this course is a prerequisite for all 300 level production courses that are part of the Game Design concentration. Prerequisite: DMA 201 or permission of instructor, open to all majors.
DMA 216 Digital Media Law
Introduces a wide range of legal issues in today’s evolving and emerging media, including: the First Amendment, copyright, fair use, libel, hate speech, pornography/obscenity, privacy, commercial speech and national security.
Department of Kinesiology
Athletic Training Major Advisement Guide

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 KAC 170 koehneke@canisius.edu before registering.

Please note the following curricular changes/requirements:

Students who are applying for admission to the athletic training program must be enrolled in ATH 132, and BIO 115/Lab. Students must have completed ATH 170 and BIO 114/Lab courses with a grade of C in order to apply. A minimum of C (2.0) must be obtained in each of the courses as well as an overall GPA of 2.0. Course transfer credit will be evaluated on an individual basis for the required pre-professional courses BIO 114-115. Transfer credit will not be allowed for ATH 170 and ATH 132.

All students graduating in 2016 or 2017 must complete ATH 300 and ATH 482 in the spring of 2016 as they will not be offered in the spring of 2017.

ATH 373 will not be offered, students should enroll in HED 115 Basic Nutrition

The Strength and Conditioning Minor is a common minor for many athletic training students. The minor provides students with preparation for the fields of exercise physiology and wellness, and other related health professions and graduate work. It also helps students prepare for health and fitness specialty certifications through the American College of Sports Medicine and/or the National Strength and Conditioning Association. Strength and Conditioning courses have specific pre-requisites, which are stated in the course descriptions.

Consult the Program Director via email:
Peter Koehneke<koehneke@canisius.edu>
Department of Kinesiology

Physical and Health Education Major Advisement Guide

Undergraduate


Please note the following curricular changes/requirements:

BIO 107/Lab Human Anatomy & Physiology I (4 cr)
- No longer offered. See BIO 114/L explanation.

BIO 108/Lab Human Anatomy & Physiology II (4 cr)
- Offered for the last time in Fall, 2011. Thereafter students will take BIO 115/L. See BIO 115/L explanation.

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 (0 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.
- PESS majors will take this course instead of PED 150. See your advisor for more information.

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 are BIO 107/L or BIO 114/L with C or above.

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

PED 150 Intro to PE/Health (3 cr)
- No longer offered and a part of the program

PED 203 Net, Target, and Fitness Activities (3 cr)
- Offered alternating Spring Semester (Odd year)
- This course replaces PED 105 if you entered Canisius before Fall, 2009 and have not taken PED 105. See your advisor for more information.
- 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 216 Gymnastics and Rhythmic Activities (3 cr)

- No longer offered.
- Students who have not taken PED 216 yet will take PED 360 instead. See your advisor for more information.

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 but not in summer.

PED 311 Movement Ed. and Elem. Act. (3 cr)

- Offered Spring Semester
- A 30 hour field experience is required. Transportation is required.
- Canisius students under a catalog before 2009 may need to substitute coursework for PED 211 or PED 241. See your advisor for more information.
- 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.
- Required course for Fall 2011 matriculated students and any student who did not complete PED 216.

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 (formerly Human Learning Growth and Development) (3 cr)

- Offered Spring Semester
- A 30 hour field experience is required. Transportation is required.

- PESS majors no longer take this course. Take HED 425 instead.

**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 Semester

- Co-requisite for PED 371 or 441 (see advisor)

- A practicum placement 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

**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 250, PED 203, PED 204, HED 205, HED 325, 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 107/108L & 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](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 Ms. Jane Pope at popej@canisius.edu or check the bulletin board in the Koessler Athletic Center for advisor assignments.
Department of Kinesiology

Health and Wellness Undergraduate Advisement Guide

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/health-wellness/

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.

KIN 170 Emergency Care (3 cr)

- Spring Semester Only

ATH 398 Research Techniques in Athletic Training (3 cr)

- Fall and Spring Semester

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 (3 cr)

- Offered Fall and Spring Semester.
HED 337 Exercise Principles (3 cr)
- Offered Fall and Spring Semester.

HED 361 Psychology of Sport, Health and Science (3 cr)
- Offered Fall and Spring Semester.

HED 425 Disease and Illness (3 cr)
- Offered Fall and Spring Semester.

KIN 235 Kinesiology (3 cr)
- Offered Fall and Spring Semester
- Prerequisite is BIO 115/L with C or above.

KIN 336 Physiology of Exercise/ Lab (4 cr)
- Offered Fall and Spring Semester.

KIN 350 Organization and Administration of Health & Wellness
- Offered Fall and Spring Semester.

PED 494 Capstone (3 cr)
- Fall and Spring Semester

PED 498 Internship in Health and Wellness (6 cr)
- Fall and Spring Semester
- Successful completion of HED 205 and 337, KIN 235 and 336 are prerequisites for this course

PSY 101 Introduction to Psychology I
- Offered Fall and Spring Semester.

PSY 102 Introduction to Psychology II
- Offered Fall and Spring Semester.
Additional Notes:

- There are 6 free electives in the Health & Wellness curriculum. It is recommended that students use 2 of those free electives to attain the Strength and Conditioning Minor. The additional 4 free electives could be applied towards prerequisites for graduate school (example: Chemistry I, Organic Chemistry, Calculus etc.)
- 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 course: HED 205
- Health/Wellness 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.
The Strength and Conditioning minor is available to all majors. The 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.

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/health-wellness/courses/#strengthminor

**Strength and Conditioning Minor Courses**

BIO 114/L Human Biology and Lab (4 cr)

BIO 115/L Musculoskeletal Anatomy and Lab (4cr)

KIN 235 Kinesiology (3 cr)

KIN 336/L Physiology of Exercise and Lab (3cr)

HED 337 Exercise Principles (3 cr)

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).
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  
  o all courses must be taken at Canisius (rather than abroad)  
  o 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*  
  o all courses must be taken at Canisius (rather than abroad)  
  o 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  
  o 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*  
  o 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.

**Spring 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.

FAM 123 World Musics
MGT 380-B International Business Seminar – special session on “Sustainable Development in Brazil”
PSC 150 Comparative Government & Politics**
PSC 250 Politics in Latin America
PSC 360 Political Economy of the Developing World
HIS 132 Latin American History Since 1830
HIS 131 Latin American History to 1830
HIS 263 Wars of Latin America
SPA 324 Topics in Conversation II: Latin American Culture & Civilization (Oral Communication)
HON 382: Detective Fiction

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 diverse areas as service operations, financial management, manufacturing, labor relations, transportations, government and non-profit organizations. For more information about becoming a management major, please contact Dr. Gordon W. Meyer at 888-2634 or meyerg@canisius.edu. For a complete listing of the courses required for the Management major, please consult the undergraduate catalog or the college web site: www.canisius.edu/manage/

Required MGT Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Introduction to Management (MGT 101)</td>
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<tr>
<td>Human Resources Mgt. (MGT 364)</td>
<td>Spring only</td>
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<tr>
<td>Management Science (MGT 335)</td>
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<tr>
<td>Managerial Environment (MGT 370)</td>
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<tr>
<td>Productions/Operations Mgt. (MGT 336)</td>
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<tr>
<td>Managerial Policy/Strategy (MGT 446)</td>
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<tr>
<td>Organizational Behavior (MGT 360)</td>
<td>Fall Only</td>
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</tbody>
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NOTE: Operation Analysis for Business (MGT 325) may NOT be used as a MGT elective

Management electives – Spring 2016

International Business Seminar (MGT 380 A) – may be used as an IB and MGT elective. This unique course involves a 2.5 week trip to Europe and involves reading assignments, pre-departure research on companies, meeting with executives and faculty discussion sessions. Students submit a paper within 6 weeks after returning home. Instructor: Dr. Ronald Rivas

International Business Seminar (MGT 380 B) – may be used as an IB and MGT elective. This May we are offering a 10 day trip to Brazil to study sustainable communities in the Mata Atlantica area around Rio de Janeiro. Students who participate in this trip will register for MGT 380 B as part of their schedule for the spring semester. This course will fulfill both Management and International Business elective requirements. Students who would like to petition to use this course as part of their International Relations or Latin American Studies major must speak with their major advisors about this. For more information concerning this course, please contact Dr. Snodgrass at ext. 2607 or email her at: snodgras@canisius.edu. This course requires a faculty signature for registration.

Project Management (MGT 437): Introduction to the principles and techniques employed by project manager. Focus on entire project life cycle. Critical issues such as time, cost and performance parameters analyzed from organizational and resource management perspectives. Prerequisites: MGT 335 or MGT 325. Instructor: Dr. Lynn Fish.
Comparative Management Systems (MGT 472) – Required in International Business major; may be used as an ENT and MGT elective. The objective of this course is the development of an understanding of what it takes to be a "good international manager". To do this, we will discuss how and why management differs when an international border is introduced and how the resulting ways of managing compare to the "domestic" systems that students have traditionally studied. We will go through a series of activities that will require you to compare and contrast your knowledge of management systems in different settings and to apply this knowledge to solving problems in the global market. Consequently, we will cover the traditional areas of management, such as planning and controlling. But we will also examine how they must be modified to meet the demands of the international arena. Instructor: Dr. Ron Rivas. Spring only

Global Logistics (MKT 478) – may be used as an ENT, IB, MGT and MKT elective.
An introduction to logistics and transportation aspects of the distribution of goods globally. The advantages and disadvantages of the different modes of transportation and their impact on business decisions are explored in detail. Prerequisites: MKT 201. Instructor: Dr. Guy Gessner. Spring only

Social Entrepreneurship and Not-for-Profit Sector Enterprise (ENT 314): Elective for ENT major, may be used as a MGT elective: This practitioner-oriented course focuses on innovative, values-driven organizations which have explicit civic missions or social purpose and which are most typically associated with the not-for-profit sector of the economy. The chief aims of the course are: to help students understand and appreciate the role of the nonprofit sector in creating societal wealth; to engage participants in institutional efforts to create a good society through exposure to the work of these organization; and to have students consider a variety of forms of involvement available to aspiring entrepreneurs in preparing for leadership roles in their communities. Prerequisites for business majors: MGT 101 and MKT 201 or ENT 201 and Junior Standing. No prerequisite for non-business majors including students from the College of Arts and Sciences and the School of Education and Human Services and Junior Standing. Instructor: Dr. Ji-Hee Kim. Spring only

Small Business Management and Entrepreneurship (ENT 401): Required for ENT major; ENT 401 must be taken prior to taking ENT 402. May be used as a MGT or MKT elective. Focuses on the most common problems encountered by owners, managers, and entrepreneurs in organizing and operating small enterprises. Topics include creativity and innovation; entrepreneurial strategy; pursuing new venture opportunities; the new venture business plan; creative small business marketing; innovative small business management; financial management in the entrepreneurial firms; and legal requirements. Students will obtain entrepreneurial experience through working with entrepreneurs small business enterprises. Prerequisites: MGT 101 and MKT 201 or ENT 201, FIN 201, ACC 202 and Junior standing, recommend Senior standing. Instructor: Dr. Ji-Hee Kim. Spring only

The Department of Management and Marketing offers a number of attractive minors including: Global Logistics and Supply Chain Management, Human Resource Management, International Management and Management of Technology. Please consult the college catalog for details.
MARKETING MAJOR

Marketing is an exciting and dynamic discipline with many career options in industries such as advertising, entertainment, fashion, consumer goods, public relations, telecommunications, e-commerce, and many others. The marketing major is designed for students who want a balanced career that rewards creativity and business results. If you’d like an exciting career that can take you around the world, marketing is it. For more information about becoming a Marketing major, please contact Dr. Edward Garrity at 888-2267 or Associate Dean, Dr. Gregory Wood at 863-3881.

For a complete listing of the courses required for the Marketing Major and related programs, please consult the program web page: http://www.canisius.edu/market/

Required Courses

Principles of Marketing (MKT 201)
International Marketing (MKT 375, formerly MKT 475) Spring Only
Fundamentals of Marketing Research (MKT 331) Spring Only
Consumer Behavior (MKT320) Fall Only
Cases in Marketing (MKT401) Fall Only

Required Courses offered in Spring 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 are the cornerstones of this course. Instructors: Dr. Mark Yim, Kim Schilling-Faleski, Mary Owusu, Fall and Spring

Fundamentals of Marketing Research (MKT 331): Learn how to apply various techniques for obtaining marketing intelligence for top-level decision making. Emphasizes marketing research methodologies and evaluation of data from primary and secondary sources. Service Learning attribute. Instructor: Dr. Paul Sauer

International Marketing (MKT 375, formerly MKT 475): Learn about the challenges and opportunities faced by companies that promote and distribute their products in markets throughout the world. Instructor: Dr. David Snyder

Elective Courses offered in Spring 2016

Global Logistics (MKT 478): This course is an introduction to logistics and transportation aspects of the distribution of goods in North America. The advantages and disadvantages of the different modes of transportation and their impact on business decisions are explored in detail. Online. Prerequisites: MKT201. Elective: Instructor: Dr. Guy Gessner

Social Media Branding & PR (MKT 395) As marketplaces shifts attention from traditional media (e.g. Television, Radio, Print) to Online Social Networks, Blogs, Podcasts and other forms of social media, business organizations are changing their traditional advertising and public relations practices. Students in this course will learn how to monitor brand identity and reputations online, how to generate online conversations and enhance a company’s brand identity in the digital world. You will
learn how to leverage social media to create and maintain relationships with loyal customers and develop online advertising strategies. Prerequisites: MKT 201 Instructor: Dr. Mark Yim

ENT 401 Small Business Management and Entrepreneurship 3 credits
This course focuses on the most common problems encountered by owners, managers and entrepreneurs in organizing and operating small enterprises: Topics include entrepreneurial strategy, pursuing new venture opportunities, management, marketing and financial challenges; creative small business marketing, innovative small business management and entrepreneurial financial management and legal requirements. Students will have a real entrepreneurial world through working with entrepreneurs in the small business enterprise. Formerly ENT 301. Prerequisites: MGT 101 and MKT 201 (Entrepreneurship section) or ENT 201, FIN 201 (Entrepreneurship section), ACC 202 and junior standing. Instructor: Dr. Ji-Hee Kim.

To see the new Digital Marketing elective sequence, please click here or open this page in your web browser window: http://www3.canisius.edu/~garrity/DigitalMarketingElectives2015.pdf
Mathematics & Statistics

For Spring 2016, we are pleased to be offering three new courses:

**MAT 345: Mathematics of Climate and Sustainability:** This course, for majors from all the sciences, is approved as a Core Capstone Course. It develops the use of conceptual models in understanding complicated situations, while illustrating the role of scientific arguments in societal debates about climate change and sustainability. Topics include: the Earth’s energy balance, historical data for ocean and atmosphere and temperature and their circulation and oscillation patterns, the carbon cycle and biological systems, and handling “large data”. The increasingly sophisticated examples explored in the course will introduce the use of various areas of mathematics: linear models and networks, calculus-based dynamical systems, statistics and data assessment, and analysis of periodic phenomena. Students will learn about these topics by seeing simple examples of their use. The last part of the course will center on sustainability issues, and connections to global awareness, diversity, ethics, and justice. **Prerequisites:** Seniors only; must have had MAT111 or comparable course.

**MAT 362: Actuarial Review II:** This 1-credit course prepares students to take Exam FM (Financial Mathematics) of the Society of Actuaries or Exam 2 from the Casualty Actuary Society. It covers interest theory (discrete and continuous) and an introduction to derivative securities. It will be offered every spring semester. **Prerequisites:** MAT 111-112, MAT 211 and MAT 351-352 or permission of instructor.

**MAT 161: Mathematics for Elementary Teachers:** In elementary schools, it is common for an instructor to teach all subjects, not just the content specialty they chose to concentrate in. Thus, all future elementary teachers need a clear and coherent view of the mathematical concepts, procedures, and processes they will be called on to teach. For them, it is not enough to know how to perform a procedure, but they must also know why. This course is designed to provide a solid foundation for the mathematical topics. The primary goal is to help students develop a deep understanding of mathematical concepts so they can teach with knowledge and confidence. Throughout the course, problem solving and deep understanding of the underlying principles will be stressed. Required for all elementary education majors who are not doing a concentration in mathematics.

Introductory courses
- **MAT 111: Calculus I** or **MAT 109-110: Calculus with Review I and II** or **MAT 115: Calculus for Business I.** Required for all Mathematics majors, minors, and Math-Ed majors. Note that MAT 109-110 covers the same material as MAT 111, but with pre-calculus topics such as trigonometry, logarithms, and exponential functions covered in more detail. MAT 109 and MAT 111 are offered every semester. MAT 115 is only offered in the Fall and MAT 110 is offered only in the Spring.
- **MAT 112: Calculus II.** Required for all Mathematics majors, minors, and Math-Ed majors. Offered every semester.
- **MAT 121: Nature of Mathematics.** Offered every spring semester.
- **MAT 141: Inferential Statistics and Computing for Sciences:** Offered every semester.
- **MAT 150: Math and Politics:** Offered every fall semester.
- **MAT 161: Mathematics for Elementary Teachers:** Offered every spring semester.
- **MAT 181: Symmetry:** Offered every other fall semester.
MAT 211: Calculus III. Required for all Mathematics majors, minors, and Math-Ed majors. Offered every semester.

Intermediate courses:
- MAT 222: Differential Equations: Required for secondary Math-Ed majors. Math majors have a choice of taking this course or MAT 351. Offered every spring semester.

Upper-level courses offered Spring 2016 semester
- MAT 322: Topics in Analysis: Note that math majors must take one of MAT 312: Topics in Algebra, 322: Topics in Analysis, or 352: Probability and Statistics II so that they have a year-long sequence in a major field of mathematics.
- MAT 342: Graph Theory is offered every other year.
- MAT 345: Mathematics of Climate and Sustainability is a new core-capstone course, which is also an upper-level math elective. It will be offered every spring from now on.
- MAT 351: Probability and Statistics I is offered every spring semester.
- MAT 370: Topics in Statistics is offered every other year. This year the topic will be Introduction to Probability Models. The purpose of this course is to introduce students to a range of probability models that are used as modeling tools in diverse fields of applications. It covers the following topics: convergence of sequences of random variables, Markov chains and martingales in discrete time, random walks, branching processes, birth and death processes and queuing models. Applications and simulations will be given throughout the semester using R and/or Mathematica. Prerequisites: MAT 351 and MAT 219.
- MAT 380-381-480: Mathematics Seminar. Please note that these three 1-credit courses are required of all Math majors. Oral Communication Attribute.

Other courses for the future:
- MAT 301: History of Mathematics: Required for all Math-Ed majors. Every other fall, so it will next be offered in Fall 2017.
- MAT 312: Topics in Algebra: Offered every other year, so the next time is Spring 2017.
- MAT 331: Modern Geometry: Required for all Math-Ed majors. Offered every other fall, so it will next be offered in Fall 2018.
- MAT 341: Numerical Analysis is offered every other year, so it will next be offered in 2016-2017.
- MAT 352: Probability and Statistics II is offered every fall.
- MAT 353: Regression Analysis: Required for statistics majors and offered every other year. It will next be offered in Fall 2016.
• **MAT 354: Experimental Design**: Required for statistics majors and offered every other year. It will next be offered in Spring 2016.

• **MAT 361: Actuarial Review I**: This new 1-credit course prepares students to take Exam P of the Society of Actuaries or Exam 1 from the Casualty Actuarial 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. It will be offered every fall semester. *Prerequisites: MAT 111-112, MAT 211, and MAT 351-352 or permission of instructor.*
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.

Important NOTE:
Sophomore and Junior majors must take either MDT281 or MDT381 and HRP111 (Medical Terminology) during Spring 2016.

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 Immunology
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 (may include additional Anatomy and Physiology coursework such as BIO115 depending on professional interest of student)
Business/Computer Science Elective: One course 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: Lieutenant Colonel William J. Carr; Rebecca M. Sparacino, Lieutenant Colonel (Retired); Major Stephen Ang; Captain Jeff Miles; Captain Adam Pray; Anthony Pedicone (First Lieutenant, NY Army National Guard); Master Sergeant Donald Durgin; Master Sergeant Barth Payne; 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: The ROTC Basic Course consists of the MLS 100 and 200 level courses for a total of 15 credits which includes one summer course the Cadet Initial Entry Training (CIET). Students can participate in the MLS 100 level courses without incurring a military obligation. The ROTC Advance Course consists of the MLS 300 and 400 level courses for a total of 18 credits which includes one summer course the Cadet Leader’s Course (CLC). All Advance Course Students must also complete MLS 480 (US Military History Course (3 credits)). If a student expresses an interest in ROTC after their freshman year; please refer them to the Military Science department.

The Basic Course refers to the first and second year of the MLS 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; however if a student is interested in seeking a Commission please refer them to the ROTC department. The basic course sequence is required for all students that want to qualify for entry into the Advanced Course. 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 **Advance 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 Summer Training (CST) 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS 301 (3 credits) and MLS 311L (0 credits)</td>
<td></td>
</tr>
<tr>
<td>MLS 302 (3 credits) and MLS 312L (0 credits)</td>
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<tr>
<td>MLS 401 (3 credits) and MLS 411L (0 credits)</td>
<td></td>
</tr>
<tr>
<td>MLS 402 (3 credits) and MLS 412L (0 credits)</td>
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</tbody>
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* 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-Leadership History (3 credits)

**Note: Successful completion of the ROTC program also requires a one-semester course in US Military history that is offered through the ROTC Department.**

**Military Science Summer Credit**

**MLS 210 – Cadet Initial Entry Training (CIET) at Ft. Knox, KY;** CIET is a 29 day training program. Students must be contracted to attend CIET. For more information on this program, contact the Military Science Department.

**MLS 310 – Cadet Leader’s Course (CLC) at Ft. Knox, KY;** CLC is a demanding 30 day course designed to increase critical thinking skills and enhance leadership skills. It is required for all Advanced Course ROTC cadets.

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

**COURSES: 2015-2016**

**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 basic 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 practiced, 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 one-hour physical fitness sessions, weekend military exercises.

**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.
Department of Modern Languages, Literatures and Cultures

2016 Spring Advisement Guide

Study Abroad: All language majors
Language majors who choose to spend a semester abroad at a foreign university may count up to three courses as a Modern Language Core or Elective as long as these courses are taught in the target language and have been pre-approved by the chair of the Department of Modern Languages, Literatures and Cultures. Students who spend more than one semester studying at a foreign university may count an additional two courses as a Modern Language Core or Elective. Credits for short programs abroad are determined by the number of contact hours, and approved by the chair.

Internships and Independent Studies

Deadlines for the submission of Internship and Independent Study Applications to the Associate Dean are ONE WEEK PRIOR to the start of the classes for the semester in which the Internship or Independent Study is requested.

For any local internship sites (available mostly to graduating majors) contact Dr. Richard Reitsma, Chair of the Department of Modern Languages, Literatures and Cultures, or Julie Zulewski, in the Griff Center.

Course Offerings for Spring 2016

Arabic (Minor)

ARBC 104: Introductory Arabic II
ARBC 217: Advanced Introductory Arabic II
ARBC 324: Intermediate Arabic II

ASL

ASL 104: American Sign Language II
ASL 299: American Sign Language Lab (corequisite)
Sister Virginia Young is an Advisor to the American Sign Language Club (ASL Club)

French

The Canisius College French Club is highly active in numerous actives on campus and in francophone Canada, New England, and Louisiana. Contact Dr. Angelini for more information (angeline@canisius.edu).
For the Meudon Internship in France, all questions should be directed to Dr. Angelini.

FRC 104: Introductory French II
FRC 217: French Composition
FRC 332 Substance and Style: Effective Writing in French II.
FRC 453 War and Memory: Exploration of the events of World War II and the Occupation of France and their major role in the cultural and economic forces at work in contemporary France.
Students will discuss particularly the mentality and demeanor of the French, the permanent and evolving traits of French society and the grounding of French culture. Prerequisite for FRC 453: C or better in FRC 323-324 and 332. Global Awareness Attribute.

German

GER 104: Introductory German II
GER 216: Intermediate German II
GER 332: Substance and Style II
GER 457: German Theater from the 18th Century. A thorough study of German Theatre between the 16th and the 21st centuries – between religious drama and bourgeois theatre, between “nation” and “self”, between search for and loss of one’s identity.

Italian

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.

ITA 104: Introductory Italian II

Spanish

Tertulias: informal conversation gatherings with International Students, offered biweekly at the Language Resource Center (OM 314). Telenovela watch parties. Speaker events. Great ways to practice your Spanish and meet new friends! All events coordinated with LASAF (Latin American Students and Friends) and Sigma Delta Pi (Spanish Honor Society).

Short Term Study Abroad in Argentina in Winter Break. Contact Dr. Margaret Stefanski (stefansm) for more information as soon as possible.

SPA 104: Introductory Spanish II
SPA 215: Intermediate Spanish
SPA 217: Spanish Composition
SPA 324: Topics in Conversation II: Latin American Culture & Civilization (Oral Communication)
SPA 332: Advanced Spanish Composition
SPA 420 Reading/Writing Spain Today: An examination of cultural themes (identities, stereotypes, customs and traditions) in the essayist work of the best contemporary Spanish writers: Lucía Extebarria, Javier Marías, Juan José Millás, Rosa Montero, Soledad Puértolas, Rosa Regás, and Manuel Vincent. Emphasis on vocabulary building and idiomatic structure of the language. Exclusive use of Spanish in class. Prerequisite: C or better in two of the following courses: SPA 323, SPA 324, SPA 332. Field 3
DEPARTMENT of PHILOSOPHY

PHILOSOPHY IS FOR EVERYONE — Fall 2015. The Faculty of the Department of Philosophy invites you to join them during Fall 2015 to experience the power of intellectual investigation into matters important to human beings. Besides multiple sections of PHI 101 Introduction to Philosophy, we offer the following Field 2 PHI 200 level course, but also PHI 300 level courses and one PHI 400 level course.

Please consult the Department of Philosophy website for a fuller statement about each course listed below, inclusive of times and instructors.

All PHI 200 are Field 2 courses and may be taken for Core Curriculum credit. Many have an Ethics or a Justice attribute as cited below. Successfully completing PHI 101 is a prerequisite for PHI 200 courses. Successfully completing at least one PHI 200 level course is normally a prerequisite for PHI 300 courses.

PHI 225 Logic (Reed, Zeis) Sound reasoning is important in every career and, indeed, is crucial for good living. This course provides tools necessary to distinguish correct from incorrect reasoning. Field 2

PHI 241 Ethics (Djuth) This course is a survey of principal traditions in moral reasoning with attention to moral principles and their applications to contemporary social realities. Field 2, Ethics

PHI 242 Business Ethics (Walsh) This course asks if the ethics of business is incompatible with the business of ethics. We examine the ethical implications of the relationships between businesses and their shareholders, employees and society at large. This course asks the important question of whether ethics is simply an obstacle that must be overcome in the pursuit of profit or if an ethical critique of role of business in society can or should fundamentally constrain the way businesses operate. Field 2, Ethics

PHI 244: Environmental Ethics (Newhouse) A study of classical and contemporary moral theories concerning the relationship of human beings to the manifold of their natural surroundings. Field 2 Ethics

PHI 245: Animal Ethics (Fix, Newhouse) An examination of how the principal theories of ethics prepare us for the myriad ways we encounter nonhuman animals in contemporary life. Field 2, Ethics

PHI 246: Ethics of Technology (Reed) Over the last century, technology has become especially ubiquitous. In this class, we will examine in what ways technological innovations make our lives better or worse. Field 2, Ethics

PHI 261: Philosophy of Law (Djuth) This course examines the concepts and principles for describing and understanding legal systems, and the relationships between law and legal systems, society and morality. It serves in particular those pursuing careers in law, criminal justice, public affairs, politics, the social sciences, and philosophy. Field 2, Justice
PHI 274: Social and Political Philosophy (Mosko, Johnston, Simmonds-Price) This course examines basic questions concerning human values, social organization, and the principles of political association. It has a special concern to examine modern political issues and their historical antecedents and examines some key political and social concepts: equality, liberty, race, gender, and justice. Field 2, Justice

PHI 272: Race & Philosophy (Havis) This course will begin with an examination of how notions of race have been and continue to be constructed. We will utilize philosophical theories and methods to analyze concepts of race; how race functions within social, political, and intellectual contexts; how notions of race intersect with gender and class issues; and the ways that groups use race to formulate positive identities. Field 2, Justice, W&G Studies

PHI 291: Philosophy of Art (Forest) This course explores the idea of art and of the different arts in the writings of philosophers, writers, painters, art and music critics in the general western intellectual tradition. In the first half of the semester we cover the ancient, medieval and modern views, and discuss three traditional aesthetic concepts - mimesis, form and expression. In the second half of the semester we cover the role of art in the 20th and 21st Centuries and debates about modernism and postmodernism in contemporary art. Field 2

PHI 302: Medieval Philosophy (Chanderbhan) Faith and reason, God and evil, knowledge and free will – these topics, and many more, were addressed in great detail during the medieval period of philosophy (ca., 350-1400 AD). In this course, we will consider what central medieval thinkers, such as Augustine, Ibn Sina (Avicenna), Moses Maimonides, Thomas Aquinas, among others, have to say about these issues, as well as contemporary counterparts who co-opt medieval work in their own. We will also consider how significant religious and historical events and movements of that time influenced the philosophy (and transmission thereof) for the period. Euro Studies, Cath Studies, Phil Major/Minor

PHI 304: Nineteenth Century Philosophy (Mosko) This course examines major figures in 19th century philosophy, with an eye towards the scientific, social, and political issues that influence the work of these thinkers. We will examine two traditions emerging in the 19th century: "Continental Philosophy" as a response to the work of G.W.F. Hegel, and "Anglo-American Philosophy" as it articulates the sciences of morality and reason. Euro Studies, Phil Major/Minor

PHI 379: Contemporary Women Philosophers (Zeis) A study of the thinking of important women philosophers of the 20th century with special concern to address their responses to the enduring questions of ethics, especially for modern times. Ethics, W&G Studies

PHI 399: Ethics, Justice & the Problem of Poverty (Johnston, Simmonds-Price) This core capstone is open to all students from all majors. We consider several rival versions of our moral self-understanding and several rival versions of how to address contemporary moral problems. Our goal is to apply these different approaches to the problem of world poverty. Since by current estimates, over 1.7 billion people live in absolute poverty (less than $1.25 per day), how do different economic approaches to these problems entail different conceptions of justice and of the living well? The course considers our position as moral beings in a poverty stricken world. Core Capstone
PHI 406: Knowledge, Power, Protest (Havis) What does it mean to protest? The newspapers are filled every day with images we associate with protest. But how do such actions become possible? This course will examine the different factors that prompt groups and individuals to protest, to have a critical understanding of their circumstances, and take action. We will use the lens of Contemporary philosophy which is increasingly taking up these issues in examinations of: who is given credibility, who can speak for others, how non-traditional forms of knowing generate alternative perspectives as well as epistemologies of ignorance. Phil Major/Minor
Physics

Advisement Guide and Course offerings for Spring 2016

Core Curriculum Courses (Field 6)

PHY 129, Introduction to Astronomy, Dr. Robert Selkowitz
PHY 133, Dinosaurs, Dr. Carol Waddell-Sheets

Courses for Health Sciences Majors

PHY 202 and PHY 202L, three sections of each offered, lecture course includes a recitation.

Seat counts in the lab sections are due to equipment and space limitations, no forces into lab sections until the first week of the semester, please contact the instructor to be placed on a wait list if necessary.

Courses for Physical Science Majors

PHY 223 and PHY 223L- Introduction to Physics I for physical science majors.

Pre-requisite of C- or better in MAT111 or MAT 110. Also a Field 6 core course, not generally recommended for non-science majors.

PHY 225 and PHY 225L- Introduction to Modern Physics, Dr. Wood, 1 section. Pre-requisite, C- or better in PHY 224.

PHY 226 and PHY 226 Lab, Introduction to Electronics, Dr. Sheets, 1 section. Pre-requisite, C- or better in PHY 224.

PHY 351- Physics Advanced Lab II, Carries Oral Communication Attribute. Dr. Sheets

Pre-requisite, C- or better in PHY 225

PHY 331- Electrodynamics II, Dr. Scherkoske. Pre-requisite, C- or better in PHY 330.

PHY 498-Senior Project-Dr. Wood (Chair), majors only

Advisement for Majors

To stay on schedule for timely graduation, majors should be taking:

1st Year Physics majors: PHY 223, PHY 223L, MAT 112 or MAT 211, CHEM 112 or BIO 111, plus Core

2nd Year Physics majors: PHY 225, PHY 225L, PHY 226, PHY 226L, MAT 222

3rd year Physics majors: PHY 331, PHY 351

4th year Physics major: PHY 331, PHY 498
POLITICAL SCIENCE DEPARTMENT

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/polisci/

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, 345 (or 420); 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), International Affairs Society, Model UN and more…
• Travel: Washington, DC for career-networking & Europe for EuroSim, and more…
• Fitzpatrick Institute of Public Policy & Leadership: Guest speakers, symposia & travel.
• 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 – including a NEW course.
• 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 December 10.
PIN NUMBERS AND ADVISING
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 (diciocoj@canisius.edu, 888-2697), 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 SPRING 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 236 Political Campaigning (Haselswerdt)
PSC 321 Constitutional Law II: Civil Liberties (Klump)
PSC 334 Public Administration (Hardwick)

Electives in International Relations and Comparative Politics
PSC 249 Protest, Politics, and the State in Today’s World (NEW course!!! See below) (DiCicco)
PSC 250 Politics in Latin America (Fajardo-Heyward)
PSC 345 Transnational Crime after 9/11 (Occhipinti)
PSC 360 Political Economy of the Developing World (Fajardo-Heyward)
PSC 442 Senior Seminar in International Realions (DiCicco)
PSC 452 Politics of Identity in Europe (core curriculum capstone) (Occhipinti)

REQUIRED COURSES
- Offered in spring 2016: PSC 103, 104, 111, 140, 150 & 217. See the course schedule online.
- PSC 217 is taught in the spring only. Plan accordingly if you want to graduate before 2017.

New Course: PSC 249 Protest, Politics, and the State in Today’s World: from the Arab Spring to Zuccotti Park. The course will investigate popular movements and activism with transnational features, and analyze the consequences of such protests for governments and world order. Political movements and activism related to freedom, the environment, women’s rights, sustainable energy, nuclear power and weapons, economic inequality, structural adjustment, and war will be considered, as well as civil resistance to governments’ use of repression, torture, and indiscriminate surveillance at home and abroad. We will study how protest movements emerge, grow, and end; analyze states’ responses to protest movements and actions; and evaluate nonviolent protests’ effectiveness at achieving political goals and change. From Anonymous to the Women of Zimbabwe, Ferguson to Fukushima, this course examines nonviolent protest and its relationship to the state in today’s world.

****Planning to graduate before May 2017? You must take PSC 401 in the Spring 2016
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 can take up 18 credits each term without extra fees and need 120 to graduate. PSC 401 counts for 1 of the 18 credits. PSC 401 will meet in the classroom during the first week of the term and then only infrequently as per the syllabus, available at the first class.
Pre-Engineering

Advisement Guide and Course offerings for Spring 2016

Courses for Engineering Majors

EGR 208, Engineering Dynamics, Mr. Stephen Vogel. Pre-requisite, C- or better in EGR 207

Advisement for Majors

To stay on schedule for timely graduation, majors should be taking:

1st Year Engineering majors: PHY 223, PHY 223L, MAT 112 or MAT 211, CHEM 112 or BIO 111, plus Core

2nd Year Physics majors: PHY 225, PHY 225L, PHY 226, PHY 226L, MAT 222, EGR 208, plus core

3rd year Physics majors: PHY 331, PHY 351, plus core
New Courses for Spring 2016 – see below for details

HRP201 Topics: Servant Leadership for Pre-Health Students

1-credit seminar course.
Prerequisites: Sophomore, Junior or Senior Status and Permission of the Instructor

Course Description:
Healthcare professionals are not only responsible for caring for their patients, but also play a profound role as community health leaders. They impact their patients’ health behaviors through advocating for changes in health policy and impact the changing healthcare system throughout the country. The ideal for a healthcare professional is that they are always striving to support their patients. They primarily want to serve and care for others. This course will educate sophomore, junior, and senior-level pre-health students on what servant-leadership means in the context of the healthcare profession, by not only educating them on the various aspects of how healthcare professionals can serve, but through getting into the community and serving others to contextualize the readings and the classroom discussions.

The optimal student for this course is a sophomore, junior, or senior who intends on applying to a healthcare professional school, wants to learn what it means to be a leader in their chosen profession, and has some sort of leadership background (volunteerism, student organization, Resident Assistant, Orientation Leader, part-time work, etc.). Those who are interested in taking the course must set up an appointment with Matt Ullery to get permission. His office in the Pre-Medical Center in SH1026 and is email is ullerym@canisius.edu.

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. 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.

**HRP111 Medical Terminology**
1 credit, No Prerequisites but this is not a good course for freshmen.
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.

**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. In 2013, the Writing section was removed from the MCAT. This is the first of significant changes to this exam. All students taking the MCAT this year are encouraged to take the optional section where they are piloting MCAT2015 questions.

**MCAT2015:** In 2015, a revised MCAT (Medical College Admissions Test) will be offered. [https://www.aamc.org/students/applying/mcat/mcat2015/](https://www.aamc.org/students/applying/mcat/mcat2015/)
All students planning to take the MCAT in 2015 (some pre-med students who entered Canisius in 2011 and all students who enter 2012 and after) 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 will have students utilize basic statistics in interpreting scientific and social science content. Some medical schools do require a specific statistics course. The new MCAT will consist of four individual test sections. Two revised test sections will focus on the basic sciences, ‘Biological and Biochemical Foundations of Living Systems’ and ‘Chemical and Physical Foundations of Biological Systems.’ Psychology and sociology content will appear in a new section focused on the ‘Psychological, Social and Biological Foundations of Behavior.’ The Canisius Core Curriculum will prepare 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)

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.
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 Spring 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.

NEW THIS SEMESTER!!!!!
PSY 396 – Behavioral Interventions for Special Populations
Be sure to check it out!

What courses are being offered in Spring 2016?

PSY 102A, C, D  Introduction to Psychology II
PSY 201A, B  Basic Stats for the Behavioral Sciences
PSY 202 A, B, C  Research Methods in Psychology
PSY 203  Lifespan Developmental Psychology
PSY 230  Psychology of Religion
PSY 302  Personality Psychology
PSY 303  Abnormal Psychology
PSY 312  Autism & Developmental Disabilities
PSY 318  Social Psychology
PSY 320  Cultural Psychology Capstone
PSY 323  Motivation and Emotion
PSY 329SL  Leadership and Motivation
PSY 360  Psychology and Law
PSY 370  School Psychology
PSY 373  Behavior Modification
PSY 384  Child and Adolescent Psychopathology
PSY 395  Assessment in the Behavioral Sciences
PSY 396  Behavioral Interventions for Special Populations
PSY 398  Neurobiology of Childhood Mental Disorders
PSY 410  Fundamentals of Human Neuropsychology
PSY 453  Theories of Counseling
PSY 495  Research Seminar*
PSY 498B  Practicum: Industrial/Organizational*
PSY 498 C  Practicum: Clinical Psychology*
PSY 498 D  Practicum: School Psychology*
PSY 498 E  Practicum: Sports Psychology*
PSY 498 F  Practicum: Forensic Psychology*
PSY 498G  Practicum: Child, Family & Community*
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 Spring 2016 that had a previous number are noted as such; for a complete list of courses, see http://www.canisius.edu/religious-studies/courses/

Important information about closed sections: Forced registration into closed section is largely reserved for majors/minors. The chair should be contacted for any emergency situations. The upper level courses that fulfill the Field 1 requirement are offered at a wide range of times. We cannot guarantee admission into one particular section and encourage students to avoid leaving this requirement until their senior year.

For Majors:
• Dr. Matthew Mitchell will be offering RST 201: Introduction to the New Testament. This course is required of all majors. Minors and other interested students are welcome in the course; it is a Field 1 course.

Previously, the Department divided its course offerings into areas of concentration; majors were to concentrate their electives into 3 areas. We are no longer separating our courses and so have waived this requirement for the electives. Majors are highly encouraged to discuss their goals for the major and their plans for the future with their advisor in order to select the best courses as electives.

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

• 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.

• Fr. Jamros will be teaching RST 230: Catholic Belief Today (a Field 1 course); Scripture and tradition. The Trinity, incarnation, grace, sacramental life, worship. The Church as community and structure.

• Deacon Gregory Feary will offer RST 235: Religion and Politics, a Field 1 course with the Justice attribute and the Oral Communication attribute; Interaction of religion and politics in the United States and other cultures.

• RST 240, Development of Jewish Religious Thought & Practice (Field 1 & Diversity) with Rabbi Perry Netter, the Jewish Chautauqua Society’s Scholar-in-Residence; Jewish religious thought from biblical times to the present: Hebraism and Judaism in pre-Christian times, Jesus and Jewish thought and modern trends in Judaism.

perspective and compared with expressions in the arts. Relationship of religion and art; scriptural roots of Christian art. [Also accepted for Art History major and minor credit.]

• **RST 341: Catholic Social Ethics: Theological Perspectives** (Field 1 with both the Justice and Advanced Writing Intensive attributes) will be offered by Rev. John Loeser; Study of the principles of Catholic Social Teachings articulated in papal and Episcopal documents with contemporary applications.

• **RST 345, BioMoral Problems** (Field 1 and Ethics attribute; was RST 448); will be team taught by Dr. Edward Kisailus of the Biology Department with Fr. Paul Steller. 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.

• Fr. Moleski, SJ, will be offering **RST 353: Seven Signs of Love** (Field 1, Ethics); The presence of God in the midst of the human community, as symbolized by the sacraments. Their history, interpretation and anthropology.

• Dr. Stenclik will teach **RST 355, The Problem of Suffering** (Field 1); Suffering confronts each individual in illness, broken relations, failures, drug abuse and death. The course addresses how God is active even in suffering.

• Dr. Christopher Lee will offer **RST 360: Magic, Science, and Religion** (Field 1, Global Awareness); scholarly approaches used to understand how diverse peoples of the world conceive, make use of and tap into the realm of the extra human. Focus on “exotic” societies and peoples, exploration of the meanings of magic, science and religion in the more familiar contemporary United States and Europe.

In addition, Psychology also offers a course that have field 1 credit: **PSY 230: the Psychology of Religion**, taught by Dr. Lodi-Smith.

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.
SOCIOMETRY, 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 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 Spring 2016 to their meeting. October 28, 11-3 pm will be the general major advising session.

**NOTE:** ALL students majoring in SOCIOLOGY, CRIMINAL JUSTICE, ANTHROPOLOGY should register for the Capstone course: SOC461, CRJ461 or ANT461 respectively. (1 credit)

**Spring 2016 courses in SOCIOLOGY**
SOC 110 Introduction to Sociology
SOC 111 Social Problems
SOC 273 Social Movements & Social Change
SOC 291 Gender and Society
SOC 324 Visual Sociology

**Other courses that count for SOCIOLOGY ELECTIVE CREDIT**
ANT 122 Sociocultural Anthropology
ANT 355 Sociolinguistics
ANT 340 Environmental Anthropology
CRJ 320 Criminology
CRJ 354 Juvenile Delinquency

**Recommended sequence for Sociology majors:** Freshman – SOC110, SOC111, MAT131; Sophomores or Juniors – SOC234, SOC 273; Sophomores, Juniors or Seniors – SOC 461; any elective; choose from: SOC 234, SOC 273, SOC324, ANT122, CRJ320,
**Spring 2016 Courses in CRIMINAL JUSTICE**
CRJ 228  Criminal Justice II
CRJ 359  Women and Crime
CRJ 354  Juvenile Dequincy
CRJ 280  Language for Legal Professions
CRJ 320  Criminology
CRJ 330  Forensic Psychology
CRJ 337  Violence and the Family
CRJ 450  Criminal Procedure

**Other Courses that count as Criminal Justice Electives**
ANT 333  Forensic Anthropology

**Please check the following department listings for available Spring 2016 courses**
**Political Science:**
PSC 103 Constitutional Foundations of American Government;  
PSC 320 American Constitutional Law I;  
PSC 321 American Constitutional Law II;  
PSC 345 International Crime after 9/11

**Psychology:**
PSY 303 Abnormal Psychology;  
PSY 307 Adolescent Psychology

**Recommended sequence for Criminal Justice majors:**
Freshman – SOC110, MAT131
Sophomores or Juniors – CRJ 227, CRJ 228, CRJ elective
Sophomores, Juniors or Seniors – CRJ 320, CRJ 337, CRJ 382, CRJ 449, CRJ 461; any CRJ elective

**REGISTRATION FOR CRJ 498 REQUIRES MEETING WITH PROFESSOR KOTERAS**
**(DURING FALL 2015 SEMESTER) FOR APPROVAL OF AN INTERNSHIP SITE,**
**MINIMUM GPA, AND JUNIOR STANDING.**

**Spring 2016 Courses in ANTHROPOLOGY**
ANT 121  Biological Anthropology
ANT 122  Socio-Cultural Anthropology
ANT 255  Sociolinguistics
ANT 240  Anthropology and Film
ANT 340  Environmental Anthropology

**Other courses that count as Anthropology Electives**
Please check offerings in Religious Studies for course availability in Spring 2016
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
Urban Studies

Courses

PSC 334 (Public Administration) is a required course. Juniors and seniors should take this course.

HIS 470 - Women in American History and Literature can be used for the urban history requirement. It is also a core capstone.

Seniors should enroll in URS 400 (The Urban Challenge), a 1 credit course, and see Dr. Hardwick for additional information.

Advisement

Majors should consult with the Program Director, Dr. Hardwick.