Important Registration Change!

Note that the Student Profile will be utilized to look up classes, prepare registration plans ahead of your registration date, and to register for classes. The Student Profile also provides you with a user and mobile friendly view of the biographical and academic information that is on your student record. All students must register for classes utilizing the registration screen in your student profile. We encourage you to familiarize yourself with the registration process prior to the start of registration. Training documentation can be found on the portal by clicking the Learn about Student Profile button under the My Campus heading. By building registration plans ahead of time, you are able to discuss them with your advisor, and registering from a plan is very fast! In addition, you can create multiple plans in order to have backup options quickly available to you.
Spring 2020 Registration Information

STANDARD COURSE DAYS & TIMES

Beginning in the fall 2017 semester, our standard course days/times were slightly revised in order to reduce the number of avoidable student scheduling conflicts as well as to ensure the required number of contact hours per credit hour.

Standard Class Meeting Patterns

<table>
<thead>
<tr>
<th>MWF</th>
<th>MW</th>
<th>TR</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:20-9:15</td>
<td>8:00-9:20</td>
<td>8:30-9:45</td>
</tr>
<tr>
<td>9:30-10:25</td>
<td>10:00-11:15</td>
<td></td>
</tr>
<tr>
<td>10:40-11:35</td>
<td>11:30-12:45</td>
<td></td>
</tr>
<tr>
<td>11:50-12:45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00-1:55</td>
<td>1:00-2:20</td>
<td>1:00-2:15</td>
</tr>
<tr>
<td>2:10-3:05</td>
<td>2:30-3:50</td>
<td>2:30-3:45</td>
</tr>
<tr>
<td>3:20-4:15</td>
<td>4:00-5:20</td>
<td>4:00-5:15</td>
</tr>
<tr>
<td></td>
<td>6:00-7:20</td>
<td>6:00-7:15</td>
</tr>
<tr>
<td></td>
<td>7:30-8:50</td>
<td>7:30-8:45</td>
</tr>
</tbody>
</table>

Monday or Friday Only Classes: 1:00-4:00; 4:00-7:00; 6:00-9:00; 7:15-10:15
Tue, Wed, or Thurs Only Classes: 1-3:45; 4-6:45; 6-8:45; 7-9:45
*No classes will be scheduled to meet on the Friday of the final week of classes; this will be a Reading Day

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 Profile to register for courses.

All undergraduate students must meet with an Advisor in your major department, or with your Associate Dean prior to online registration. You can find your assigned Advisor and their contact information on your Student Profile. 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 you will be required to enter it during the register process.

**WITHOUT THIS PIN, YOU CANNOT REGISTER.**

Only your advisor can give you your PIN number if you lose or misplace it. You will need to keep this PIN through the end of the drop/add period. Please note: Alternate/Registration PINs change each semester!

Spring 2020 REGISTRATION DATES

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 earned credit hours</td>
<td>Tuesday, October 22, 2019 at 7:30am</td>
<td>Sunday, January 19, 2020 at 11:59 pm</td>
</tr>
<tr>
<td>54.0 – 83.9 earned credit hours</td>
<td>Tuesday, October 29, 2019 at 7:30am</td>
<td>Sunday, January 19, 2020 at 11:59 pm</td>
</tr>
<tr>
<td>24.0 – 53.9 earned credit hours</td>
<td>Tuesday, November 5, 2019 at 7:30am</td>
<td>Sunday, January 19, 2020 at 11:59 pm</td>
</tr>
<tr>
<td>0 – 23.9 earned credit hours</td>
<td>Tuesday, November 12, 2019 at 7:30am</td>
<td>Sunday, January 19, 2020 at 11:59 pm</td>
</tr>
</tbody>
</table>

*Credit hours you are taking this semester do not count toward earned hours.
*The SRFS Center and the Griff Center will be open at 7:00 a.m. on registration Tuesdays to assist students.
Graduate Students

All graduate students can begin to register for the Spring 2020 semester on Monday, October 21 at 8:30am. Graduate Students are not required to obtain an Alternate/Registration PIN.

Using the Student Profile

To Look Up Classes:

- Go to www.canisius.edu
- Click on MyCanisius, and login with your username and password
- Under the “MY CAMPUS” heading on the right side select the “Student Profile” button
- Select “Registration and Schedule” from the left hand side
- Select “Browse Classes”
- Select “Spring 2020” from the drop-down list, and click Continue
- The “Advanced Search” option is available if you want to narrow your search (i.e., by core attribute, faculty name, keyword, etc.)
- 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, or begin typing the subject name, in the Subject box, enter a course number if appropriate, and click “Search” or hit Enter on your keyboard
- When viewing courses, you can view additional information about that course, (i.e. attributes, additional fees, travel required, special restrictions, etc.), by clicking on the course title. This is a good way to confirm what the required prerequisites are for any given course.

To Register for Courses:

- Go to www.canisius.edu
- Click on MyCanisius and login with your username and password
- Under the “MY CAMPUS” heading on the right side select the “Student Profile” button
- Select “Registration and Schedule” from the left hand side
- Select “Register for Classes”
- Select “Spring 2020” from the drop-down list, and click Continue
- Enter your Registration PIN
- Registration begins at 7:30 am
- **DO NOT go any further until 7:30 am or you will get an error message stating “You are not permitted to register at this time”**
- At 7:30 am continue with your registration by searching for courses, and adding them to your summary; you can also add courses to your summary by entering your CRN numbers on the “Enter CRNs” tab.

Registering from a Plan:

- The quickest way to register is to register directly from a plan created ahead of time using the Plan Ahead feature. To register from a plan, click on Register for Classes, select the “Plans” tab, click “Add All” to add the courses from a specific plan to your summary, and click “Submit.”

**IT IS VERY IMPORTANT TO CLICK SUBMIT!** If you leave this page, without clicking Submit, your registration will **NOT** be saved.
Review your classes and, if applicable, resolve any registration errors as listed in the top right hand corner.

Please DO NOT wait until 7:30 am to start the login process. You can login as early as 20 minutes prior to the 7:30 am start. For security purposes, the time out period is set for 30 minutes. If you login too early, your login 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 (open until 6:00pm on Mondays) (Open from 7:00 am to 5:00pm on Registration Tuesdays).

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.

**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 view your Registration Notices and check for holds on your student record in the new Student Profile (top right hand corner).

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 2020 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 (Undergraduate Students):

- Log in to myCanisius
- Under the “MY CAMPUS” heading on the right side select the “Student Profile” button
- Click on “GriffAudit 1.0 (Undergraduate)”
- 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 the “MY CAMPUS” heading on the right side select the “Student Profile” button
- 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”
- 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.

Additional training documentation can be found by visiting the “Learn About Student Profile” link on the portal. If you have questions 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 Lisa Fischer in the Student Records & Financial Services Center. Appointments can be made by calling ext. 2995 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/](http://www.canisius.edu/student_health/) for more information.
In Order To Continue to Receive State and Federal Financial Aid, a Student Must Be In Good Academic Standing

There are two components to Good Academic Standing:

1. Satisfactory Academic Progress
2. Program Pursuit

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

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

### Undergraduate

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

### Graduate

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

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

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

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

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

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>
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<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
Animal Behavior, Ecology, and Conservation

All ABEC students should schedule an appointment with their advisor for guidance and to get their PIN. Please see Mary Fiorella in HS201 to schedule an appointment.

Internships (ABEC491/492) are available to juniors and seniors. Students must complete an internship application by October 7. Registration for internship is permission only.

Research participation (ABEC301 1cr, ABEC300 0cr) is for students engaged in research with an ABEC faculty member. Registration for research participation is by permission only. Students may count up to 3 semesters of ABEC301 towards their 24 credit hours of ABEC electives; additional ABEC301 credits will count as free elective credit.

Recommended courses:

First year students
First year ABEC students, or students switching to ABEC as a major, should register for Intro to Animal Behavior II, ABEC102. ABEC101 and ABEC102 are required courses, but do not need to be taken in sequence (that is, you can take ABEC102 before you take ABEC101). Most first year students will also be taking BIO112 + lab.

Second year students
It is strongly recommended that sophomores complete their statistics requirement (MAT 131, MAT 141 or PSY 201) and animal ethics requirement, if they have not done so already. Speak to your advisor about which statistics option is most appropriate for you.

Although not required, we encourage ABEC sophomores to register for ABEC216, Topics in Animal Behavior. Most other ABEC courses are open to Juniors and Seniors, however Zoo Animal Management, ABEC251 is open to sophomores. This is the required class for the zoo biology minor. If space is available, some other classes may also be open to sophomores; please check with the instructor.

Juniors and Seniors
Upper level electives are available to all ABEC majors. Pre-requisites for classes in the ABEC department are ABEC101/102 or permission of the instructor. Transfer students should discuss options with their advisors. ABEC electives in the biology department (300 level) require BIO111 and BIO112 as pre-requisites.

The following ABEC electives are being offered this spring, and are generally offered every spring; all count towards the ABEC major unless otherwise noted:

ABEC220+L: Animal Learning (lab required)

ABEC251: Zoo Animal Management (required for zoo biology minor)

ABEC335: Conservation Education. This course counts towards the conservation minor and zoo biology minor and fulfills the ABEC conservation requirement.


ABEC 370: Animal Cognition

The following ABEC electives are being offered this spring, and are generally offered every other spring:

ABEC339: Animal Enrichment. This course counts for the zoo biology minor.

ABEC403: Tropical ecology. This 1-credit course involves travel to Belize over winter break, and has an additional fee. Applications were due September 12.

Biology courses that count towards the ABEC major (BIO111 and BIO112 are pre-requisites unless otherwise indicated):

BIO322: Conservation Biology. This course counts towards the conservation minor and fulfills the ABEC conservation requirement.

BIO343: Entomology with lab.

BIO 357: Evolution.

The following courses may also be of interest to ABEC students:

EVST235: Environmental Policy. This class counts as an ABEC elective.

FAH 272: Animals in Art. FAH 272 provides credit for core Field 3, Arts & Literature and the Anthrozoology minor.

FAH 273: Field excursion: Connections between animal portrayals in museums and zoos. Additional fee applies for the travel component and spots available in FAH 273 are currently full. Please note that these classes do not count for the ABEC major.
Sophomore Accounting and AIS majors must take ACC 212 (Principles of Accounting II) and ACC 307 (Accounting Information Systems) in the spring semester. ACC 201 and ACC 212 are required for all advanced accounting courses. MKT 201 – if not already taken.

Junior Accounting majors should take:
ACC 302 (Intermediate Accounting II)
ENG 389 (Business Communication)
Field or Arts and Science Elective
LAW 372 (Commercial Organizations and Commercial Paper)

Junior AIS majors should take:
ACC 331 (E-Business)
ACC 302 (Intermediate Accounting II)
ENG 389 (Business Communications)
LAW 372 (Commercial Organizations and Commercial Paper)
Field or Arts and Science Elective

Senior Accounting Majors (Four-year program) should take
ACC 416 (Advanced Taxation)
ACC 427 (Advanced Auditing)
MGT 325 (Operations Analysis for Business)
MGT 446 (Managerial Policy/Strategy)

Seniors in the 150-hour MBA in Accounting program should take ACC 716, ACC 727, MGT 507 and MGT 690. However you cannot register for these courses on-line. You will need to go to the graduate business office in order to get registered.

Senior AIS majors should take ACC 452/ACC 752 (Enterprise Systems), MGT 446 (Policy), and Field or Arts and Science Elective as needed and a Free Elective.

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

All other business and finance majors, other than accounting majors, should take ACC 202 (Managerial Accounting)
ALL-COLLEGE HONORS PROGRAM

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

Eligibility
Typically, qualified students are 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 1st-year Honors students have had the opportunity of registering.

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

For registration purposes, Honors courses are listed under “College Honors Program” and have the prefix “HON.” Honors students may take any numbered Honors course, with the exception that only Juniors & Seniors may take Honors Thesis. The Honors course number does not indicate level of difficulty.

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

Most Honors students, except those whose native tongue is not English and those majoring in Education (Early Childhood, Childhood, or Students with Disabilities), must also complete two regular college courses in a single foreign language, unless they receive AP/IB/CLEP or (other) college credit for them. Students whose language proficiency permits them to take an “intermediate” level course in a foreign language do not have to take a second course. “Foreign language” in Honors refers to American Sign Language, Greek, Latin, and modern languages, e.g., Arabic, Chinese, French, German, Italian, Polish, and Spanish. These courses are not offered through the Honors Program, but through foreign language departments, including Classics and Modern Languages.

Spring 2020   Honors Course Schedule
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HON 111</td>
<td>Western Tradition II</td>
</tr>
<tr>
<td>HON 214</td>
<td>Sights &amp; Sounds: The Philosophy of Film</td>
</tr>
<tr>
<td>HON 225</td>
<td>Public Health &amp; Mental Health*</td>
</tr>
<tr>
<td>HON 226</td>
<td>Why Black Lives Matter</td>
</tr>
<tr>
<td>HON 232</td>
<td>American Government: The User Guide</td>
</tr>
<tr>
<td>HON 248</td>
<td>Religions of the East</td>
</tr>
<tr>
<td>HON 269</td>
<td>Apocalyptic Culture: Visions of the End of the World*</td>
</tr>
<tr>
<td>HON 271</td>
<td>The Body Erotic/The Body Politic: Sexuality and Political Discourse*</td>
</tr>
</tbody>
</table>
HON 326  Art Song
HON 359  Spiritual Autobiography
HON 390  Contemporary Irish Fiction*
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 a weekly missive from the director and an digital newsletter by an Honors student once a month that announces events organized either by the Honors Program or the Honors Student Association, an active campus club. Typical events include theatre performances in Buffalo & Canada, ice cream socials; a Lunch & Learn series with local leaders; lectures by nationally-known professors; orchestral and operatic concerts; snow tubing; a Thanksgiving dinner, a Christmas party, and an annual banquet; cookies & cram during final exam weeks; a “Last Lecture” by a popular professor; and at least one Travel & Learn trip to a major city, such as Boston, Chicago, Cleveland, Los Angeles, New Orleans, New York City, Philadelphia, Pittsburgh, Toronto, and Washington, DC. There are also several opportunities for community service.

Honors Lounge
Honors students have 24-hour access to a Honors Lounge conveniently located in the tunnel of Horan O'Donnell. The Lounge has comfortable furniture, computers, a large flat-screen television, a refrigerator, a microwave, and a water cooler, among other amenities.

Special Features
Canisius All-College Honors students are eligible for several unique opportunities:
1. The Schoenl Scholarship funds Honors students who participate in service-immersion or medical mission trips outside the United States.
2. A study-abroad opportunity at Scotland’s University of Glasgow, one of the world’s best institutions of high learning. For pre-med students, Glasgow offers functional anatomy.
3. Participation in the annual Jesuit Honors Conference.
4. Subsidized tickets to the Buffalo Bills and Buffalo Sabres

Advisement
Dr. Phil Reed, the program’s acting director in F2019, is readily available to help Honors students: CT 713 (reedp@canisius.edu). Honors has also established a mentoring program that pairs upper-class students with 1st-class students in the same major.

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:

www.canisius.edu/honors
Fine Arts Department
Art History Program

Highlights:
FAH159 is being offered for the first time since 2018
FAH273 is offered in conjunction with a 7-day trip to Germany
FAH481 is a Core Capstone

FAH 101 Caves, the Colosseum, and Cathedrals 3 credits
FAH101 is an introduction to the visual and cultural analysis of major works of art from prehistory through the 14th century in Europe, the Near East, northern Africa, Central and North America. Students may visit area galleries and significant historical sites to expand their appreciation of ancient through Medieval art and architecture. (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 159 Gender, Identity, and Art 3 credits
FAH 159 encourages critical conversations around gender, race, sexuality, and class and their representation in art, preparing students to negotiate the contemporary social and cultural landscape with greater awareness. Surveying these issues in art created from the Renaissance through the present day, the course will also focus on how art and artists have worked to address an increasingly diverse and inclusive audiences in recent decades. This course will feature a visit to the exhibition Open House: Domestic Thresholds by Heather Hart, Edra Soto, and Rodney Taylor, on view at Albright-Knox Northland from January 17 to April 12, 2020, and will tie in with special programs associated with the exhibition. (Field 3/Global Awareness)

FAH 210: Ancient Egyptian and Near Eastern Art 3 credits
FAH 210 provides an introduction to the visual and cultural analysis and interpretation of the painting, sculpture and architecture of ancient Egypt and the ancient Near East. Students will learn what pyramids were really all about, how the Egyptians influenced others (the Greeks, for instance) and why the ziggurats of Mesopotamia still hold an important place in our imaginations and look at the temples, tombs, pottery, painting and sculpture of Pharaonic Egypt and the ancient Near East to appreciate what these objects meant to their creators and how they influence our twenty-first century lives. There are no pre-requisites for this course, and it is accepted for Classics major & minor credit. (Field 3, Global Awareness, Oral Communication)
FAH 271 ONL 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 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)

FAH 272 Animals in Art 3 credits
A thematic analysis of the use of animal imagery and animals themselves in art is the focus of FAH 272. Modern and contemporary artists and their fascination with animals and their relationship to nature and humankind will be the primary focus of in-class discussions and lectures this semester. This course includes multiple visits to the Andrew L. Bouwhuis Library for in-depth research work and visits to local museum exhibits. (Field 3/Advanced Writing-Intensive)

FAH 273 Field Excursion: Connections between Museum and Zoo Exhibitry Practices 1 credit
This course is an optional academic component to a Spring Break trip to explore museums and zoos. Students will compare and contrast the exhibitry practices in multiple museums and zoos in Germany. Students will complete readings and research for a final project while in the field. Additional fee required and varies with location (generally about $2500), which covers all travel costs. Please contact the course instructor for current fees. The course is open to students in any major. ABEC students should note that while this course will count towards the zoo biology minor, it will not count towards the ABEC major.

FAH 460 Museum Internship 3 credits
Research, curatorial and administrative internships are offered at select Buffalo area art galleries and cultural institutions. Prospective interns need to complete the application process in December to arrange for a spring internship. This opportunity is available for CPAIS majors and art history minors or with the permission from the Art History Program Director.

FAH 481 The Art of the Selfie: Self Portraits: A Critical Survey 3 credits
FAH 481 presents an overview of the artistic expressions of portraiture limited to those identified as self-portraits. In an age when one is overwhelmed by images of individuals presenting themselves artfully, we are accustomed to these expressions, and yet, the history of self-portraits brings to bear cultural concerns of identity, social standing, and artistic ability. Beginning with the earliest known self-portraits onward, we will discuss the roles ascribed to self-portraits by artists, their patrons, and the 21st century connoisseur. While works by the most famous self-portraitists Albrecht Dürer, Rembrandt, Vincent van Gogh, Frida Kahlo, and Cindy Sherman will be discussed, we will also explore the use of selfies in contemporary art practices. (Seniors only) Core Capstone
ADVISEMENT: The advisor lists for all Biology majors are posted on the bulletin board next to the Biology office (HS 306A). Pin numbers are GIVEN BY YOUR ASSIGNED ADVISOR! Appointment sheets are posted outside advisor’s doors – sign up early! If you do not see your name listed, see either BIO co-chair (Drs. Morey & Stewart) to be assigned an advisor.

Biology Major Courses Offered Spring 2020:
Course descriptions can be found online in the Catalog:

**Freshman**

**BIO 112/L: Introductory Biology II**
Introductory course for freshmen biology and other science majors. Course focuses on homeostasis in multicellular organisms through exploring structure and function relationships in plants and animals. Topics include cell interactions in tissues and organs, anatomy and physiology of plants and animals, and the role of natural selection in shaping the anatomy and physiology of plants and animals. Three hours of lecture and a one and a half hour recitation per week.

**Prerequisite:** minimum grade of C- in BIO 111.

**BIO 112L: Introductory Biology II Laboratory**
Laboratories that provide an examination of the structure and function of living organisms (plants and animals). Three hours of lab per week. **Corequisite:** BIO 112

**Sophomores**

**BIO 212: Biochemistry and Cell Biology II**
Fundamentals of biochemistry (biological chemistry) and cell biology for students majoring in the biological sciences. Structure and biological activities of carbohydrates and nucleic acids. Integrates the cellular and biochemical relationships between systems within the cell with an emphasis on the role cell communication, respiration, photosynthesis, gene expression, and cell division. Three hours of lecture and a one and a half hour recitation per week.

**Prerequisite:** minimum grade of C- in BIO 211 and CHM 112.

**BIO 212L: Biochemistry and Cell Biology Laboratory II**
Examination of experimental methodologies that relate the expression and action of various macromolecules to biological processes at the cellular/molecular level. The role of experimentation in the scientific process is emphasized. Three hours of lab per week.

**Prerequisite:** BIO 211 and minimum grade of D in BIO 211L. **Corequisite:** BIO 212
All sophomores should enroll in BIO 351: Biology Seminar I

BIO 351: Biology Seminar I:
Designed to provide sophomore biology major students with the opportunity to learn various methods of preparing scientific/experimental information for oral presentation. Attendance at departmental seminars required. Meets for 1.5 hours per week.

Upper-level Courses:
All 300-level courses require completion of BIO 112 with a minimum grade of C-.
All 400-level Biology electives require completion of BIO 212 with a minimum grade of C-.
The track designation of courses are indicated in parenthesis for juniors and seniors who choose to follow the prior Track system.

Courses offered in the Spring 2020 semester are in bold.

**These courses can be taken without a lab and count as a Biology elective.

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<thead>
<tr>
<th>Area 1: Ecology and Evolution</th>
<th>Area 2: Organismal Biology</th>
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<tbody>
<tr>
<td><strong>BIO 305</strong> Med Microbio. &amp; Env Basis ** (T2)</td>
<td><strong>BIO 307:</strong> Microbiology</td>
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<tr>
<td><strong>BIO 320:</strong> Field Ecology</td>
<td><strong>BIO 324:</strong> Human Anatomy</td>
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<td><strong>BIO 375:</strong> Community Ecology</td>
<td><strong>BIO 335:</strong> Plant Biology</td>
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<tr>
<td><strong>BIO 377:</strong> Freshwater Biology</td>
<td><strong>BIO 340:</strong> Physiology ** (T1)</td>
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<tr>
<td><strong>BIO 378:</strong> Wetlands</td>
<td><strong>BIO 343:</strong> Entomology (T2)</td>
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<tr>
<th>Area 3: Molecular and Cellular Biology</th>
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<tr>
<td><strong>BIO 404:</strong> Genetics ** (T4)</td>
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<td><strong>BIO 414:</strong> Enzymes &amp; Proteins</td>
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<td><strong>BIO 419:</strong> Advanced Cell Biology</td>
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<td><strong>BIO 425:</strong> Cellular Neurobiology</td>
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<td><strong>BIO 426:</strong> Immunochemistry</td>
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<tr>
<td><strong>BIO 430:</strong> Adv Cellular Biochem &amp; Metab ** (T3)</td>
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<td><strong>BIO 432:</strong> Developmental Biology</td>
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<td><strong>BIO 435:</strong> Developmental Neurobiology ** (T3)</td>
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<td><strong>BIO 445:</strong> Cellular Imaging</td>
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<tr>
<td><strong>BIO 450:</strong> Molecular Biology</td>
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Biology Electives:
BIO 312: Primatology
BIO 317: Sex, Evolution, and Behavior
BIO 345: Functional Neuroanatomy
BIO 322: Conservation Biology
BIO 357: Evolution
BIO 360: Environmental Health
BIO 364: Zoology: Diversity of Animal Life
BIO 441: Neurobiology of Nervous Disorders
BIO 444: Cancer Biology
Upper-level Course Descriptions:

**BIO 305: Medical Microbiology and its Ecological Basis**
Microbiology course that merges discussion of microbial interactions in the human environment (both beneficial and disease-causing) with discussion of microbial interactions in other natural environments. Topics include microbial & ecosystem diversity, the human microbiome compared to other microbial communities, human host-pathogen interaction compared to microbial competition in soil and water, and disease treatment compared to environmental bioremediation.

**Prerequisite:** minimum grade of C- in BIO 111 & BIO 112.

**BIO 305L Medical Microbiology and its Ecological Basis Lab**
Current and historical techniques for the isolation and measurement of microorganisms in the environment and for differentiation between medically important bacteria. Topics include microscopy, preparation of culture media and aseptic technique, staining of microorganisms, isolation and culture of specialized groups of bacteria from human, soil or aquatic environments, and determination of antibiotic resistance. Three hours of lab per week.

**Prerequisite:** minimum grade of D in BIO112L. **Corequisite:** BIO 305.

**BIO 322 Conservation Biology**
Study of the plight of endangered species, the biological consequences of fragmented populations, and the scientific basis of habitat/species restoration.

**Prerequisite:** minimum grade of C- in BIO 111 & BIO 112. **Offered:** every spring.

**BIO 340 Physiology**
Examination of the biochemical, molecular and cellular regulatory mechanisms involved in maintaining stable internal environments required for normal cell, tissue and organ function. Course focuses on cell and organ function, integrated physiological control systems for various organ systems (including cardiovascular, respiratory, GI, renal, reproductive, and immune), and the maintenance of homeostasis. Three hours of lecture per week.

**Prerequisite:** minimum grade of C- in BIO 111 & BIO 112.

**BIO 340L Physiology Laboratory**
Experimental study of physiological systems, using biochemical, cellular and hematological techniques and electronic instrumentation. Three hours of lab per week.

**Prerequisite:** minimum grade of D in BIO112L. **Corequisite:** BIO 340.

**BIO 343 Entomology**
Introduction to the diversity and natural history of insects. The structure, function, evolution and ecology of this group are emphasized. Laboratory focuses on anatomy, diversity and classification. Lab required. Three hours of lecture and three hours of lab per week.

**Prerequisite:** minimum grade of C- in BIO 111 & BIO 112.
BIO 357 Evolution
An in-depth examination of the unifying principles of evolutionary biology. Pre-Darwin ideas about evolution, Darwinian evolution, the Modern Synthesis, and contemporary evolutionary biology. Specific concepts include, but are not limited to, population genetics, speciation, origin of life, phylogenetic analysis, with special emphasis on the evolution of sexual reproduction, virulence evolution, and human evolution. Three hours of lecture per week.
Prerequisite: minimum grade of C- in BIO 111 & BIO 112.

BIO 404 Genetics
Principles of Mendelian, molecular, population, human and quantitative genetics, with emphasis on inherited diseases. Three hours of lecture and a one and a half hour of recitation per week.
Prerequisite: minimum grade of C- in BIO 212.

BIO 404L Genetics Laboratory
Principles of Mendelian and molecular genetics as demonstrated by experiments with Drosophila and other experimental organisms. Three hours of lab per week.
Prerequisite: minimum grade of D in BIO212L. Corequisite: BIO 404.
Fulfills College Core: Advanced Writing-Intensive

BIO 430 Advanced Cellular Biochemistry and Metabolism
This course offers an in depth examination of cellular nutrition and metabolism. The function of vitamins and metals as essential players in energy generation, cell survival and human disease are discussed.
Prerequisite: minimum grade of C- in BIO 212 and CHM 228

BIO 430L: Advanced Cellular Biochemistry and Metabolism Laboratory
This course focuses on the Biochemistry of pathways associated with higher plant and animal metabolism. A function / mechanism-based approach will be utilized to elucidate the biochemistry within protein and enzyme structure. The regulation of enzyme activity and functional conformation will be examined in several hands on, inquiry based research experiences.
Corequisite: BIO 430.

BIO 435 Developmental Neurobiology
Cellular and molecular mechanisms underlying development of the nervous system and neurodevelopmental disorders. Topics include: neural induction, neurogenesis, migration, axon guidance, synaptogenesis, and regeneration. Three hours of lecture per week.
Prerequisite: minimum grade of C- in BIO 212.

BIO 435L Develop Neurobiology Laboratory
Experimental studies of the development and regeneration of nervous tissue using neuronal tissue culture and digital microscopy. Three hours of lab per week.
Prerequisite: minimum grade of D in BIO212L. Corequisite: BIO 435.
A) General Chemistry for Science Majors

CHM110 and 111 Lab – General Chemistry I with Review Part II, continuation of CHM109, to be followed by CHM112 to complete the general chemistry sequence.

CHM112 and 112 Lab – General Chemistry II, continuation of CHM111 and CHM110, completes the general chemistry sequence.

For sections B) - D) below, see the Chemistry or Biochemistry Major Requirements on the Department website to find out which courses need to be taken by a student in a particular track.

B) Chemistry and Biochemistry Fundamental Courses

1. Organic Chemistry II (CHM228 and 228L)
2. Analytical Chemistry (CHM230 and 230L)
3. Introduction to Biochemistry Laboratory (BCH 301L)

C) In-depth Courses

1. Cellular Biochemistry (BCH302)
2. Molecular Biology (BCH 403 and 403L) (BCH majors contact senior major advisor for substitute courses)
4. Modern Physical Chemistry (CHM 302) and Laboratory (CHM 302L)

D) Chemistry/Biochemistry Electives

1. 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 signature of the Department Chair. 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. To register for the research course, the student, after consultation with the research mentor, must complete several requirements as outlined in the course syllabus, and then receive approval from the Department Chair. A final written report is required for both CHM/BCH 450 and CHM/BCH 451.
2. Some BIO elective courses can be used as Biochemistry electives, after the Department Chair’s approval.
3. Chemistry Internship (CHM 490) interested students should contact Dr. Szczepankiewicz.
SPRING 2020
CLASSICS COURSES

GREEK LANGUAGE COURSES

CLG 102: Elementary Greek II
Banchich, MWF 9:30-10:25
Introduction to the grammar, syntax, and vocabulary of classical Greek and to ancient Greek culture through selected readings. Classics major/minor requirement or elective.

CLG 204: Euripides
Banchich, TBA
Readings focus on Euripides’ Medea. Requires prior study of Greek or instructor’s permission. Classics major/minor requirement or elective.

LATIN LANGUAGE COURSES

CLL 102: Elementary Latin II
Mitchell, MWF 10:40-11:35
Introduction to the grammar, syntax, and vocabulary of classical Latin and to ancient Roman culture through selected readings. Students develop reading skills for a variety of Latin authors. Classics major/minor requirement or elective.

CLL 204: Latin Literature
Banchich, MW 1:00-2:20
Selected Latin literary authors, genres, or themes. Requires prior study of Latin or instructor’s permission. Classics major/minor requirement or elective.

CLASSICAL STUDIES COURSES

CLS 104: Roman History
Salvo, TR 11:30-12:45
Social, political, and intellectual history of Rome from the foundation of the city to late antiquity. Canisius Camino, Field 4, Global Awareness, Classics major/minor requirement or elective, History major elective

CLS 205: Ancient Greece: Culture and Society
Warford, MW 1:00-2:20
Fundamental social, political, moral, religious, and intellectual aspects of the human condition as reflected in a variety of Greek writers, art, and artifacts. Canisius Camino, Field 3, Global Awareness, Classics major/minor requirement or elective

CLS 207: Mythology and Literature
Warford, MWF 10:40-11:35
The origin, content, and interpretation of major classical myths with focus on their influence on later literature and ethical issues they raise. Canisius Camino, Field 3, Ethics, Classics major/minor elective
**CLS 212: Borders, Walls, and Immigrants in the Ancient World**
Salvo, TR 1:00-2:15
Examination of momentous migrations and displacements around the Mediterranean (Greek colonization, Roman veteran settlement, Gothic invasions), from the Bronze Age to the Middle Ages; the economic, religious, social, and political motivations; the impact; Greco-Roman concepts of borders and “Frontier”; case studies (Hadrian's Wall); themes in immigration studies, including theories of assimilation/resistance, diaspora, ethnicity, and identity. **Canisius Camino, Field 5, Global Awareness, Classics major/minor elective**

**CLS 214: Greek and Roman Tragedy**
Phelps, MWF 11:50-12:45
Study of Greek and Roman tragedy, its origins, cultural setting, staging, performance, and influence. Readings from Aeschylus, Sophocles, Euripides, and Seneca. **Canisius Camino, Ethics, Field 3, Oral Communication, Classics major/minor elective**

**NEW COURSE**

**CLS 306: Blood, Pus, and Vomit: Studying Ancient Medicine**
Kaufman, MWF 10:40-11:35
This course is a survey of the art of medicine in the ancient Mediterranean: what causes medical problems and what those problems were, how diagnoses were determined, the treatments available and who administered them, and how each society learned from the others. The course begins with ancient Mesopotamia, then turns attention to Egypt, Greece, the Hellenistic world, and finally the Roman empire. Concentration is on the ancient world, but the course includes discussion of the techniques and theories developed then which were still being taught in medical schools in the 19th century and beyond. **Canisius Camino, Oral Communication, Classics major/minor elective**

**Classics Major requirements:** 12 credit hours of Greek or Latin (minimum) +
3 c.h. of Greek or Roman history +
3 c.h. of Culture & Society (Greece or Rome) +
18 c.h. of Classics (or designated courses from other depts.) electives

**Classics Minor requirements:** 6 credit hours of Greek or Latin (minimum) +
3 c.h. of Greek or Roman history +
3 c.h. of Culture & Society (Greece or Rome) +
6 c.h. of Classics (or designated courses from other depts.) electives

The Classics Department has joined with other departments in a proposal to offer a **Medieval Studies Minor**. We anticipate final approval for this minor before Spring 2020.

For more information about any of our courses or degree programs, please contact Dr. Kathryn Williams, Chair of Classics, Churchill Tower 602, willia94@canisius.edu, 716.888.2713

**Canisius Classics Department** ([https://www.canisius.edu/academics/programs/classics](https://www.canisius.edu/academics/programs/classics))
([https://www.facebook.com/groups/1334574393316906/](https://www.facebook.com/groups/1334574393316906/))

**Institute for Classical and Medieval Studies** ([https://blogs.canisius.edu/icms/](https://blogs.canisius.edu/icms/))
([https://www.facebook.com/ICMSCanisius/](https://www.facebook.com/ICMSCanisius/))
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. (pls. see our webpage for more details.) 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). Also, in the fall of 2019, the department added a new interdisciplinary major, integrated marketing communication (also in this Advisement Guide). Details concerning courses, concentrations, degree requirements, double majors, internships and communication-related clubs, as well as a faculty directory, are all provided on the department’s website for Communication Studies:
https://www.canisius.edu/academics/programs/communication-studies

Advisement
In order to register for Spring 2020 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 or 2) on the professor's door. For general inquiries, 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 also 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 304: Field 5 – Social Sciences
COM 319: Oral Communication attribute
COM 351: Ethics attribute
COM 414: Core Capstone
DMA 201: Field 3 – Literature and the Arts
DMA 215: Field 5 – Social Sciences
DMA 216: Field 3 - Literature and the Arts
Facilities
We make up-to-date software and computers available to students in four labs in Lyons Hall. You'll find digital video editing stations, an audio/music production studio and a television studio/control room on the 4th floor of Lyons Hall. The television studio is fully 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 web site and/or see Dr. Barbara Irwin, director of the internship program.

Communication Studies Course Offerings for Spring 2020

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

Elective Courses
- COM 302 Small Group Communication
- COM 304 Family Communication
- COM 319 Training & Development
- COM 330 Public Relations Writing
- COM 350 Health Communication
- COM 351 Media Ethics
- COM 411 Advertising Campaigns
- COM 414 Issues in IMC
- DMA 201 Intro to Digital Media
- DMA 215 Digital Culture
- DMA 216 Digital Media Law
- JRN 336 Sports Journalism
- FAS 141 Digital Photography
- FAS 142 Travel Photography

DMA, JRN and FAS courses above = COM electives. COM majors may take a maximum of 6 credit hours in FAS toward the Communication Studies major.

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

* Please note: COM 202 will only be offered in the spring of 2020 for the academic year 2019-20. It will not be offered fall of 2020. COM 206 will not be offered in the spring, but will be offered in fall of 2020.

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

Fall 2020 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 302  Small Group Communication
Creative problem solving is often used in small groups. Learn how small groups form, develop, and use creative processes. Investigate the question, “Do groups have their own personalities?” Study group pressure, risk taking, conformity, cohesiveness, consensus and voting principles & processes.

COM 304  Family Communication
Our families are often a great source of support and stress. This course examines family communication patterns, theories, and research with special emphasis on improving family communication and relationships.

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 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 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.

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. (Ethics attribute)
COM 411 Advertising Campaigns
We’ll oohh and ah over some existing advertising campaigns. We’ll study how verbal and non-verbal ad communication tries to persuade people. We’ll also set up our own mini agency and rotate roles to really learn how campaigns are created. Come with your heads clear and you sleeves rolled up.

COM 414 Issues in Integrated Marketing Communication - Core Capstone - Online
This course looks at contemporary advertising and marketing communication through a global, economic, political, social, creative, just and ethical lens. We explore the latest information about trends in marketing communication, in all media, about virtually any current topic in the advertising, public relations and marketing world. (Senior Status ONLY)

DMA 201 Intro to Digital Media
Introduces the fundamentals of digital systems and technologies through class lecture and hands-on approaches. Software and hardware used for web design, multimedia, video production, graphics and audio production. (Field 3- Literature and the Arts)

DMA 215 Digital Media Culture (formerly DMA 202)
Explores how digitization impacts our personal, business, cultural, institutional and international lives. Also examines the ways in which digital media transform communication and expression. (Field 3- Literature and the Arts)

DMA 216 Digital Media Law (formerly DMA 204)
Introduces a wide range of legal issues in cyberspace, including: the First Amendment, copyright, libel, hate speech, morality/obscenity, privacy, commercial speech and national security. COM Elective. (Field 5 – Social Sciences)

JRN 336 Sports Journalism
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.

FAS 141 Digital Photography 3 credits
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. COM Elective. Prerequisites: No prior photo experience, students must have a D-SLR camera (digital single lens reflex camera) (Field 3- Literature and the Arts)

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- Literature and the Arts)
THE DEPARTMENT OF FINE ARTS
CREATIVE AND PERFORMING ARTS INTERDISCIPLINARY STUDIES

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

Courses Offered in Spring 2020:

ARTS 302: Not-for-Profit Arts Organizations

Please see advisement guides for the Art History (FAH), Music (FAM), and Studio Art (FAS) programs for a listing of courses offered during the spring 2020 semester.

Creative and Performing Arts Interdisciplinary Studies Degree (BA)

Description:

The Creative and Performing Arts Interdisciplinary Degree has been designed to help students develop skills in music, the visual arts, and art history as a basis for continued study or a career in the fine arts or in other occupations where these disciplines play an integral role. The curriculum will familiarize students with the increasingly interdisciplinary aspect of the fine arts as well as the implications that has for arts administration and management. The program offers opportunity for experiential activities such as music performance, art exhibition, and curatorial work as well as activities outside of the major requirements such as internships and international travel opportunities. In addition to the skill areas mentioned above, the major affords training in the area of aesthetics, business in the arts, and the use of social media for the arts.

Concentrations:

Students choose a primary area of concentration as their main focus and complete electives in a second area. The concentration areas are the following:

- Art History
- Music Performance
- Music Technology
- Studio Art

Curriculum:

Students complete four common courses, primary concentration requirements (art history, music performance, music technology, or studio art), and electives in a discipline other than their primary concentration.

Common Courses:

Social Media and the Arts: ARTS 202: Social Media and the Arts
Aesthetics (choose one): PHI 291: The Philosophy of Art; PHI 292: Philosophy of Beauty
Business in the Arts (choose one): ARTS 301: Arts Administration; ARTS 302: Not-for-Profit Arts Organizations
Fine Arts Project: ARTS 401: Fine Arts Project
Art History Concentration:

Art Survey I: FAH 101: Cave Paintings, the Colosseum & Cathedrals
Art Survey II: FAH 102: Altarpieces, Academies & the Avant-Garde
Ancient or Medieval Art (choose one): FAH 210: Ancient Egyptian and Near Eastern Art; FAH 213: Greek and Roman Art; FAH 224: Medieval Art
Renaissance or Baroque Art (choose one): FAH 245: Renaissance Art; FAH 248: Baroque Art

Music Performance Concentration:

Music Theory I: FAM 230: Music Theory I
Music Theory II: FAM 240: Music Theory II
Music History: FAM 119: Masterpieces of Music
Music Performance (five semesters): FAM 226: Music Performance (1-hour lessons in voice or instrument)
Music Ensemble (choose one; five semesters): FAM 181: Chorale; FAM 182: Jazz Ensemble;
FAM 184: Chamber Orchestra

Music Technology Concentration:

Music Theory I: FAM 230: Music Theory I
Music Theory II: FAM 240: Music Theory II
Music History: FAM 119: Masterpieces of Music
Music Technology: DMA 309: Music Technology
Digital Audio/Music Production: DMA 310: Digital Audio/Music Production
Music Performance (two semesters): FAM 126: Music Performance (½-hour lessons in voice or instrument)
Music Performance (choose one; two semesters): FAM 181: Chorale; FAM 182: Jazz Ensemble;
FAM 184: Chamber Orchestra

Studio Art Concentration:

Two-Dimensional Design: FAS 110: 2D Design
Drawing: FAS 120: Drawing I
Three-Dimensional Design: FAS 130: 3D Design
Studio Art Electives (choose two): FAS 140: Introduction to Still Photography; FAS 141: Digital Photography; FAS 142: Travel Photography; FAS 150: Color

Fine Art Electives:

Students choose courses totaling 6 credit hours in a discipline other than that of their primary concentration; such courses appear above with FAH, FAM, FAS, and DMA prefixes.
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

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<thead>
<tr>
<th>Course</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>ENG 294</td>
<td>Introduction to Creative Writing</td>
<td>Cochrane</td>
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<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>
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<td>ENG 490</td>
<td>Creative Writing Capstone</td>
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Contemporary Requirement

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<tr>
<td>ENG 218</td>
<td>Literature and Medicine</td>
<td>Fisher</td>
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<tr>
<td>ENG 225</td>
<td>Journey in American Literature</td>
<td>TBA</td>
</tr>
<tr>
<td>ENG 396R</td>
<td>Crime Fiction</td>
<td>Gregorek</td>
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<tr>
<td>HON 390</td>
<td>Contemporary Irish Fiction</td>
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British Requirement

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<td>ENG 370</td>
<td>Quest in Medieval Literature</td>
<td>Woodward</td>
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<td>ENG 306</td>
<td>18th-Century Literature</td>
<td>Wolf</td>
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American Requirement

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<td>Journey in American Literature</td>
<td>TBA</td>
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<tr>
<td>ENG 319G</td>
<td>Topics: Fictions of the Real</td>
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English & Literature Electives

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<td>Drama</td>
<td>Hodin</td>
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<tr>
<td>ENG 218</td>
<td>Literature and Medicine</td>
<td>Fisher</td>
</tr>
<tr>
<td>ENG 223</td>
<td>Images of Women in Lit &amp; Film</td>
<td>Gregorek</td>
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<tr>
<td>ENG 224</td>
<td>Journey in World Literature</td>
<td>Wolf</td>
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<td>ENG 285</td>
<td>Animals in Lit. and Film</td>
<td>Porter</td>
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<td>CLS 207</td>
<td>Mythology and Literature</td>
<td>Warford</td>
</tr>
<tr>
<td>CLS 214</td>
<td>Greek and Roman Tragedy</td>
<td>Phelps</td>
</tr>
</tbody>
</table>
ECONOMICS AND FINANCE DEPARTMENT

Note to Finance Majors in the Class of 2021 and beyond
There has been a change in finance courses required for the major. FIN 311–Intermediate Corporate Finance will no longer be required. This course is being replaced with either ECO 330-Money and the Economy or FIN 420 Financial Institutions and Markets. All other requirements remain the same.

Finance majors in the class of 2019 and 2020 are still required to take FIN 311.

ECONOMICS COURSES

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

ECONOMICS 102: Principles of Microeconomics
Explanation of how the market system operates in the context of limited resources. Emphasis is placed on the manner in which consumers and firms determine what to produce, how to produce and for whom to produce. 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
Analysis of demand and supply under various market structures. Cost and production theory, factor pricing and welfare economics. A required course for all Economics majors. Can be used as a Finance elective. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisites: ECO 101, ECO 102.

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

ECONOMICS 255: Business Statistics
Fundamental concepts of probability and statistics with emphasis on business and economic applications. Organizing and describing data, probability theory, sampling, estimation, and hypothesis testing. 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 Analytics  Hypothesis testing, regression analysis, analysis of variance, time series analysis and forecasting, with emphasis on business and economic applications. A required course for all Wehle School of Business majors, who should take it following ECO 255. One of the courses that Dual Degree students can apply to obtain an MBA after their fifth year. Prerequisite: ECO 255 or Math equivalent. This course was previously titled Business Statistics 2.

ECONOMICS ELECTIVES:

ECONOMICS 310: Introduction to GIS (Geographic Information Systems) is an applied introduction to the concepts and uses of Geographic Information Systems (GIS), a mapping and spatial analysis tool that is widely used in education, government, and industry to identify and solve spatial issues and problems. This course combines lectures and hands-on exercises to provide students the opportunity to use software for the analysis of business and economic issues. Prerequisites: Eco 101, ECO102, ECO 255.

ECONOMICS 410: Economic Research Methodology is a course where the tools of microeconomics, macroeconomics and statistics are applied to analysis of economic data at both the national and local levels. The course will focus on Bureau of the Census and Bureau of Labor Statistics data in the analysis of labor markets and other behavioral economic issues. Prerequisite: ECO 101, ECO 102, ECO 256.

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. Can be used as a Finance elective. 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 201: Introduction to Corporate Finance  An introduction to financial analysis. Topics covered include: financial statements, tools of financial analysis, bond and equity valuation, financial management. A required course for all Wehle School of Business majors. Should be taken in the sophomore year by all business majors. Prerequisites: ECO 101, ECO 102, ACC 201 and ECO 255 (you can take FIN 201 and ECO 255 at the same time).

FINANCE 311: Intermediate Corporate Finance Examination of the procedures and objectives of capital budgeting, financing of the firm by means of debt and equity and short-term and long-term financial management. A required course for Finance majors graduating in 2020 only. Can be used as a Finance elective for those graduating in 2021 and beyond. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisite: FIN 201.
FINANCE 312: Investments Introduction to the institutional features of securities trading, portfolio construction, and the capital asset pricing model. Valuation of equities, bonds, and an introduction to various derivative instruments. A required course for all Finance majors. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisite: FIN 201.

FINANCE 414: Portfolio Analysis An introduction to modern portfolio theory and management. The strategies underlying portfolio construction and evaluation will be examined along with the implications of market efficiency on portfolio management. A required course for all Finance majors. Should be taken following FIN 312. Can be used as an Economics elective. Recommended course in the Economics BA concentration in Finance. Prerequisites: FIN 312, ECO 256.

FINANCE 420: Financial Institutions and Markets examines various financial institutions and the markets in which they operate. The role of the Federal Reserve, commercial banks, thrift institutions, investment banks, insurance companies and pension funds will be examined. Models of interest rate determination including risk structure and term structure will be discussed. This course or ECO 330 is required of all finance majors graduating in 2021 and beyond. This course cannot be used as a major elective if you have already taken ECO 330. Prerequisite: FIN 201.

FINANCE ELECTIVES:

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

FINANCE 423 – Fixed Income Securities - Examines various fixed income securities and the markets in which they are traded. Emphasis on pricing, extracting term/risk structure information from market prices, evaluation of investment opportunities, and interest rate risk management. Prerequisites: FIN 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 312, ECO 256.

FINANCE 480: Derivative Securities/Options examines the nature of options, futures and swap contracts. Pricing of these assets and various strategies concerning how derivatives can be used to mitigate risk will be discussed. An important course for those interested in an investment management career. Prerequisites: FIN 312, ECO 256.
FINANCE 486: *Golden Griffin Fund* is the second semester of the two semester sequence involving the student-managed GGF investment fund. Prerequisite: FIN 485.

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

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

In order to register for Spring 2020 classes, Senior, Junior, and Sophomore majors must see their departmental advisors in order to receive their Registration PINs. Dual majors also have advisors and may consult them about registration matters. Contact your advisors directly at least one week to ten days prior to the opening of your registration window.

**Courses Offered in Spring 2018**

<table>
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<tr>
<th>Level</th>
<th>Course Number</th>
<th>Course Title</th>
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<td>202</td>
<td>Drama</td>
<td>Hodin</td>
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<td></td>
<td>218</td>
<td>Literature and Medicine</td>
<td>Jane Fisher</td>
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<td></td>
<td>223</td>
<td>Images of Women in Lit &amp; Film</td>
<td>Gregorek</td>
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<td>Quest in Medieval Literature</td>
<td>Woodward</td>
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<td>285</td>
<td>Animals in Literature and Film</td>
<td>Porter</td>
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<td>294</td>
<td>Intro to Creative Writing</td>
<td>Cochrane</td>
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<td>Pre-1800 British</td>
<td>306</td>
<td>18th-Century Literature</td>
<td>Wolf</td>
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<td>Pre-1900 American</td>
<td>319G</td>
<td>Topics in Amer. Lit: Fictions of the Real</td>
<td>Hodin</td>
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<td>Writing Courses</td>
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<td>389</td>
<td>Business Communication</td>
<td>Hammer</td>
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<td>391</td>
<td>Advanced Creative Writing: Fiction</td>
<td>Gansworth</td>
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<td>396-R</td>
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<td>English Major Electives</td>
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<td>Acting II</td>
<td>Dugan</td>
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<td>350</td>
<td>The Theater Experience</td>
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**Core Curriculum:**

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<tr>
<td></td>
<td>365-C</td>
<td>Representing World War I</td>
<td>Jane Fisher</td>
</tr>
<tr>
<td></td>
<td>365 E</td>
<td>Nazi Germany in Literature</td>
<td>Johanna Fisher</td>
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**Courses with Knowledge and Skills attributes:**

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<td>Global Awareness</td>
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<td>Journey in World Literature</td>
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<td>Adv Writing Intensive</td>
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<td>Literature and Medicine</td>
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<td>350</td>
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<td>Dugan</td>
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</table>
Environmental Science

Advisement Information
Prior to registration for the spring, you will have to sign up for an advisement meeting with Dr. Costanzo. You will need to sign up for one of these appointments to get your PIN number for registration. There will be a sign up sheet on Dr. Costanzo’s door – please sign up for an appointment during the week BEFORE you register. Freshmen, in addition to your registration advisement meeting, you also will need to see Dr. Costanzo to discuss your Progress Reports.

Freshmen:
• 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 and Dr. Costanzo during your Progress Report and advisement meeting.
  o 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.
  o 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)

Sophomores:
• You should sign up for ENV352 Sophomore Seminar.
• You may choose to take CHM228, particularly if you are considering graduate school
• EVST 235: Environmental Policy and SOC 234: Environment and Society (Field 5) are offered and count towards the major and the core curriculum
• Consider taking MAT141, PSY201, or Calculus (to complete your math requirements)

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 and Associate Dean. 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.
• You may take BIO322 Conservation Biology or Bio 343 Entomology as major electives
• EVST 235: Environmental Policy and SOC 234: Environment and Society (Field 5) are offered and count towards the major and the core curriculum
• Please sign up for Sophomore Seminar ENV 352, if you have not already taken it.

Please check the web for the schedule of class times and see Dr. Costanzo if you have any questions.
European Studies Program

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

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

The Major = Ten Courses
- Modern Foreign Language Requirement (216/217 level) or approved equivalent
  - Exceptions for Italian take in Italy and Dutch take in Antwerp
- 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, Religion, 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
**ELECTIVE COURSES IN THE MAJOR FOR SPRING 2020**

- Check the College schedule for times, dates and applications to the core curriculum
- Check with the Program Director and your GriffAudit about how courses apply to the major
  - Politics and History OR Language Literature and Culture
- Many Study Abroad Courses in Europe count. Some Honors Courses on Europe can count.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Course Title</th>
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<tbody>
<tr>
<td>CLG 102</td>
<td>Elementary Greek II</td>
<td>CLG 204</td>
<td>Greek Literature: Euripides</td>
</tr>
<tr>
<td>CLL 204</td>
<td>Elementary Latin II</td>
<td>CLL 204</td>
<td>Reading in Latin Literature</td>
</tr>
<tr>
<td>CLS 104</td>
<td>Roman History</td>
<td>CLS 205</td>
<td>Greece: Culture &amp; Society</td>
</tr>
<tr>
<td>CLS 207</td>
<td>Mythology &amp; Literature</td>
<td>CLS 212</td>
<td>Border, Walls and Immigrants</td>
</tr>
<tr>
<td>CLS 214</td>
<td>Greek and Roman Tragedy</td>
<td>CLS 306</td>
<td>Ancient Medicine</td>
</tr>
<tr>
<td>ENG 233</td>
<td>The Quest in Medieval Lit</td>
<td>ENG 306</td>
<td>Eighteenth Century British Lit</td>
</tr>
<tr>
<td>FAH 101</td>
<td>Caves /Colosseum/Cathedrals</td>
<td>FAH 102</td>
<td>Altarpieces/Academy/Avant-Garde</td>
</tr>
<tr>
<td>HIS 107</td>
<td>History of Europe 1500-1815</td>
<td>HIS 108</td>
<td>History of Mod Europe since 1815</td>
</tr>
<tr>
<td>HIS 204</td>
<td>Soccer in Global History</td>
<td>HIS 213</td>
<td>Twentieth Century Europe</td>
</tr>
<tr>
<td>HIS 226</td>
<td>History of Ireland</td>
<td>HIS 230</td>
<td>Holocaust Historical Perspective</td>
</tr>
<tr>
<td>HIS 331</td>
<td>British Monarchy</td>
<td>HIS 401</td>
<td>Nazi Germany &amp; Jim Crow South</td>
</tr>
<tr>
<td>ITA 103</td>
<td>Introductory Italian I</td>
<td>ITA 104</td>
<td>Introductory Italian II</td>
</tr>
<tr>
<td>SPA 104</td>
<td>Introductory Spanish II</td>
<td>SPA 215</td>
<td>Intermediate Spanish</td>
</tr>
<tr>
<td>SPA 217</td>
<td>Introduction to Spanish Compositions</td>
<td>SPA 323</td>
<td>Topics in Conversation I</td>
</tr>
<tr>
<td>RST 219</td>
<td>Eastern Orthodox Christianity</td>
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</tbody>
</table>

**IMPORTANT REMINDER**

- For the major, students must complete the **required reflective journal** based on an approved **study abroad** experience in Europe (semester-long or short-term).
- Contact the program director for instructions
- 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
The History Department is on Facebook!
If you’re on Facebook, become a “fan” of our page to find out what’s up with the History Department, the History Club, and Phi Alpha Theta!

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

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

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.

Diversity: HIS 124, 126, 236
Justice:
Advanced Writing Intensive:
Oral Communication: HIS 126, 331
Field 1: HIS 302
Beginning in the fall of 2019, the Department of Communication, with cooperation from the Marketing department, introduced a revolutionary new major in integrated marketing communication (IMC). This is one of just a handful of true interdisciplinary IMC majors in the country. The goal is to offer the range of course content and skill sets necessary for those who wish to pursue advertising, public relations, marketing, sales, digital media and the plethora of related careers in marketing communication. The Bachelor of Science degree in IMC prepares students with a true understanding of the interrelationships among marketing and the range of communication strategies and tactics used to support corporate, product and cause marketing. It includes digital marketing, traditional and online/mobile media, and practical skills for creating those communication tactics.

The IMC curriculum includes specific courses in Communication Studies, Marketing and Digital Media Arts. Those courses accepted in the IMC major that are offered in Spring 2020 are listed below. Details about degree requirements, dual majors, internships, faculty and IMC-related clubs, as well as a faculty directory, can be found on the Integrated Marketing Communication page of the Canisius College website: https://www.canisius.edu/academics/programs/integrated-marketing-communication

Advisement
In order to register for Spring 2020 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 discover 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 either 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 and program director, Dr. John Dahlberg (dahlberj@canisius.edu).

IMC majors are encouraged to register for at least 1-3 required courses (please see “Required Courses” list below) each semester until all are completed.

The following departmental Spring 2020 courses fulfill requirements in the core curriculum as noted:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COM 201</td>
<td>Oral Communication attribute</td>
</tr>
<tr>
<td>COM 203</td>
<td>Advanced Writing-intensive attribute</td>
</tr>
<tr>
<td>COM 204</td>
<td>Field 5 – Social Sciences</td>
</tr>
<tr>
<td>COM 205</td>
<td>Field 5 – Social Sciences</td>
</tr>
<tr>
<td>COM 414</td>
<td>Core Capstone</td>
</tr>
<tr>
<td>DMA 201</td>
<td>Field 3 – Lit &amp; the Arts</td>
</tr>
<tr>
<td>DMA 215</td>
<td>Field 5 – Social Sciences</td>
</tr>
<tr>
<td>DMA 216</td>
<td>Field 3 – Lit &amp; the Arts</td>
</tr>
</tbody>
</table>

Note: For a complete list of courses, please visit the Integrated Marketing Communication page on the Canisius College website.
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 live sports production facility in Science Hall. Students have access to 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 website and/or see Dr. Barbara Irwin, director of the internship program.

Contacts
Dr. John S. Dahlberg, chair of the Department of Communication, co-director of IMC: dahlberj@canisius.edu
Dr. Gregory R. Wood, chair of the Department of Marketing and Information Systems, co-director of IMC: gwood@canisius.edu

Integrated Marketing Communication Course Offerings for Spring 2020

Required Courses
DMA 201 Intro to Digital Media
MKT 201 Principles of Marketing
MKT 397 Search Marketing: SEO and PPC

Elective Courses
COM 330 Public Relations Writing
COM 411 Advertising Campaigns

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

Spring 2020 Course Descriptions

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 411 Advertising Campaigns
We'll ooooh and ah over some existing advertising campaigns. We'll study how verbal and non-verbal ad communication tries to persuade people. We'll also set up our own mini agency and rotate roles to really learn how campaigns are created. Come with your heads clear and you sleeves rolled up.

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

**MKT 397 Search Marketing: SEO & PPC**
Search Engine Marketing (SEM) has become one of the most important marketing strategies for business organizations. SEM involves a variety of techniques designed to increase a company’s visibility on popular search engines like Google, Yahoo and Bing. The course will cover Search Engine Optimization (SEO) strategies involving website development and web analytics as well as Pay-Per-Click (PPC) strategies using advertising programs like Google AdWords. As companies increasingly compete to drive customers to their websites, the skill covered in the course are becoming essential for modern marketing professionals and web designers. (Prerequisite: MKT 201 and channel decisions within context of overall environment are the cornerstones of this course.)
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 and the relevant Department pages of the Spring 2020 Advisement Guide.

Advisement and Courses Required of International Relations Majors

ADVISEMENT: Dr. Paola Fajardo-Heyward, Program Director, will be available in Lyons 220 for advisement and distribution of registration PINs. Please contact Dr. Fajardo-Heyward at fajardop@canisius.edu to schedule your appointment. Unscheduled drop-ins are not recommended.

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

REQUIREMENTS OF ALL MAJORS (for details see Catalog or checklist from Dr. Fajardo-Heyward)

- 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 2020 Bulletins

GRADUATING SENIORS: PSC 442 Seminar in International Relations is required of all graduating majors. If you plan to graduate in 2020 and need to take PSC 442, contact Dr. Fajardo-Heyward immediately to request a seat in this course, which will also count as a Core Capstone.
GRADUATING SENIORS: All IR majors preparing to graduate should have already completed HIS 300 Historical Geography. If you have not already taken this course, contact Dr. Fajardo-Heyward by email (fajardop@canisius.edu) before registration so that a suitable alternative may be identified and approved by the Director in your case. Similarly, you should have completed the American Foreign Relations requirement. If this is not the case, contact Dr. Fajardo-Heyward by email (fajardop@canisius.edu) before registration so that a suitable alternative may be identified and approved by the Director in your case.

ROTC CADETS: Generally speaking, Reserve Officer Training Corps Cadets are expected to complete Study Abroad during the second semester of sophomore year. Please be sure to plan accordingly.

ALL FRESHMEN & SOPHOMORES who have not yet taken PSC 140 Introduction to International Relations must enroll in this course in Spring 2020. If you have not yet completed your two-course regional history sequence, please note that the following courses will be offered in Spring 2020:

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

*****

MGT 380, MGT 472, or MKT 375 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. Please see the available courses online, or consult the DMLLC Advisement Guide pages. Languages recommended for International Relations majors are Spanish and French.

Other languages of study may be proposed (e.g., Arabic, Italian, etc.) but are not recommended at this time because proficiency at the appropriate level will be difficult to achieve solely by taking courses at Canisius College.

Please note that several upper-level courses in FRC and SPA may be counted as World Culture electives for the IR major (see “IR World Culture Electives, Spring 2020” below).

International Educational Experience

A significant international educational experience is required of International Relations majors, and a semester’s Study Abroad is strongly recommended to fulfill this requirement. As a general rule, up to three (3) courses from a semester’s Study Abroad may qualify as International Relations major
electives, subject to approval by the Program Director in conjunction with the Associate Dean. In cases of a full year’s Study Abroad, a sum total of four (4) such courses may qualify as International Relations major electives, again, subject to approval. Students anticipating a Study Abroad experience should speak with the Program Director well in advance to allow for proper planning and preparation. Students interested in Study Abroad should contact the Office of International Partnerships & Study Abroad at 716-888-2785 or stabroad@canisius.edu. A current list of Study Abroad locations is available online at https://www.canisius.edu/study-abroad-locations-1.

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 MKT 375 is taken to satisfy the International Business 300/400-level requirement, it may not be double-counted as a major elective (similarly, PSC 245 may be applied as an IR major elective OR as fulfilling the IR American Foreign Relations requirement, but not both). This restriction does not affect courses’ eligibility to count simultaneously toward multiple majors or to both major and Core Curriculum requirements.

International Relations Major Electives, Spring 2020

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 204</td>
<td>Soccer in Global History</td>
<td>Dr. Maddox</td>
</tr>
<tr>
<td>HIS 230</td>
<td>Holocaust Historical Perspective</td>
<td>Dr. Jones</td>
</tr>
<tr>
<td>HIS 213</td>
<td>Twenty Century Europe</td>
<td>Dr. Maddox</td>
</tr>
<tr>
<td>MGT 472</td>
<td>Comparative Management</td>
<td>Dr. Rivas</td>
</tr>
<tr>
<td>MKT 375</td>
<td>International Marketing</td>
<td>Dr. Snyder</td>
</tr>
<tr>
<td>SOC 273</td>
<td>Social Movements, Social change</td>
<td>Dr. Robinson</td>
</tr>
<tr>
<td>PSC 250</td>
<td>Politics in Latin America</td>
<td>Dr. Fajardo-Heyward</td>
</tr>
<tr>
<td>PSC 360</td>
<td>Political Economy of the Developing World</td>
<td>Dr. Fajardo-Heyward</td>
</tr>
<tr>
<td>PSC 345</td>
<td>Transnational Crime after 9/11</td>
<td>Dr. Occhipinti</td>
</tr>
</tbody>
</table>

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 2020

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRC 417</td>
<td>Francophone World at Work</td>
<td>M. Pack</td>
</tr>
<tr>
<td>PHI 271</td>
<td>Philosophy of Human Rights</td>
<td>Prof. McAndrew</td>
</tr>
<tr>
<td>SPA 405</td>
<td>Spanish Literary Myths</td>
<td>Dr. Stefanski</td>
</tr>
</tbody>
</table>

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 minor in 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.

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

Model United Nations Diplomacy Organization (MUNDO) – simulations of diplomacy and UN deliberations

- Intercollegiate Model United Nations conferences, 2020 – sign up for MUNDO on “Canisius Life” or contact MUNDO President Autumn Finch (finch1@canisius.edu).

EuroSim Program – international, intercollegiate simulation of the European Union (EU) featuring students from US and European colleges and universities

- For travel to conferences in Europe, prior participation in EuroSim & PSC 355 required. Plan ahead. Contact Dr. Occhipinti for details: occhipij@canisius.edu

Peace Action–Canisius College – social justice organization that engages the campus community with a variety of events and activities

- Draws attention to situations of injustice and attempts by ordinary people, activists, and grass-roots organizations to redress persistent issues
- Promotes non-violent resolution of conflict
- Seeks to build a human rights culture in the global community, starting with students
- Coordinates with community organizations that embrace non-violent, positive change

International Honor Society for International Studies (Sigma Iota Rho)

- The chapter of the Honor Society organizes several events. It is a good opportunity to know other IR majors and opportunities. Contact President Zack Kier (kierz@canisius.edu) or Dr. Fajardo-Heyward if you are interested in joining.
The Department of Communication’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. They go beyond merely gathering and conveying facts to making sense of them. They report creatively and thoroughly, and tell stories across many media platforms. They take all necessary measures to make every story they do factual, thorough, and compelling. 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. In addition, our students learn to use social media responsibly, to help tell and promote stories and connect with new generations of media consumers.

The journalism curriculum includes some courses in Communication Studies and Digital Media Arts. Journalism courses, and those courses accepted in the journalism major that are offered in Spring of 2020 are listed below. Details about degree requirements, dual majors, internships, faculty and communication-related clubs, as well as a faculty directory, can be found on the Canisius College website at \url{http://www.canisius.edu/journalism}.

Advisement
In order to register for Spring 2020 courses, students must meet with their advisors to discuss proposed class schedules and receive a PIN. Students should do this at least a week before the opening of their registration window.

Students may learn who their advisors are by checking the master list posted in the hallway near Lyons 314 or the advisee lists posted on the doors of professors in the department. Students may also stop in to the Department of Communication office, Lyons 314, to find out who their advisor is.

For general queries about the journalism program, please contact the director, Dr. Barbara Irwin (irwin@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 Spring 2020 courses fulfill requirements in the core curriculum as noted:
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. Students have access to 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 website and/or see Dr. Barbara Irwin, director of the internship program.

Contacts
Dr. Barbara J. Irwin, director of the Journalism Program: irwin@canisius.edu
Dr. John Dahlberg, chair of the Department of Communication: dahlberg@canisius.edu
Mr. Daniel Higgins, assistant professor of journalism: higgins36@canisius.edu

Journalism Course Offerings for Spring 2020

Required Courses (all JRN Majors)
- JRN 301 Newsgathering & Reporting
- JRN 490 Senior Project & Portfolio
- COM 203 Writing for the Public Media
- COM 351 Media Ethics

Elective Courses
- JRN 201* Advanced Multimedia Storytelling
- JRN 309 Sports Broadcasting
- JRN 336 Sports Journalism
- JRN 358 Sports Field Production I
- JRN 359 Sports Field Production II
- DMA 212 2-D Graphics

*required for the Multimedia Journalism concentration

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

Spring 2020 Course Descriptions

JRN 201 Advanced Multimedia Storytelling
Students will explore multimedia storytelling through class lecture and hands-on experience of the digital systems and technologies used in journalism. The student will develop a better understanding of the nature of multimedia journalism using audio, video, graphics, animation and writing to tell news stories.
JRN 301  Newsgathering & Reporting  
Grounded in the social responsibility theory of the press, this course covers both traditional methods (e.g., observing, interviewing, listening) and newer methods (e.g., Twitter, Facebook, crowd sourcing) to gather and verify material for news and feature stories, to be distributed via print, broadcast, web and mobile media.

JRN 309  Sports Broadcasting  
Sports Broadcasting centers on the skills needed for play-by-play announcing in all sports, along with broadcast anchoring and reporting.

JRN 336  Sports Journalism  
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. Also counts as a COM elective.

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  Senior Project & Portfolio  
Culminating experience for journalism majors in which they synthesize what they have learned in their program of study. Students work independently to create an online journalism portfolio, with an emphasis on the work that aligns with their chosen concentration.

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 media disciplines through the work of professional communicators -- journalists, broadcasters, advertising and public relations practitioners. Develop practices of making crucial media decisions based on principles and idealism.

DMA 212  2-D Graphics  
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.
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. 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/](http://www.canisius.edu/market/)

 Required Courses

Principles of Marketing (MKT 201)
Fundamentals of Marketing Research (MKT 331) **Spring Only**
Consumer Behavior (MKT320) **Fall Only**
Digital Marketing (MKT 350), **Fall only**
International Marketing (MKT 375, formerly MKT 475) **Spring Only**
Cases in Marketing (MKT401) **Fall Only**

Required Courses offered in Spring 2020

**Principles of Marketing (MKT 201):** In this course, you will learn about the marketing process and examine the range of marketing decisions that an organization must make in order to sell its products and services. You will also learn how to think like a marketer, discovering that the focus of marketing has always been on the consumer. You will begin to think about who the consumer of goods and services is, what the consumer needs, and what the consumer wants. Marketing is an understanding of how to communicate with the consumer, and is characterized by four activities: creating products and services that serve consumers, communicating a clear value proposition, delivering products and services in a way that optimizes value, and exchanging (or trading) value for those offerings. Instructors: Prof. Peter Hall, Prof. Mary Owusu, Dr. Gregory Wood  **Fall and Spring**  **Course Format: Traditional Classroom and Online**

**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  **Course Format: Traditional Classroom**

**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  **Course Format: Online**
Elective Courses offered in Spring 2020

MKT 397, Search Marketing
Search marketing teaches students how to leverage the power of search engines for promoting brands, products and services. Students learn how to improve a company’s organic (unpaid) listing in search results. In addition, they learn the best ways to invest in paid search listings, including strategies for maximizing the impact of advertising on limited marketing budgets. Finally, students learn how to track the effectiveness and ROI on search marketing campaigns by tracking key metrics and using analytical decision making to demonstrate the impact and success of this powerful digital channel. The Search Marketing course delivers - A practical, hands-on exposure to how search engines work, how you can improve your company’s listing in search results, and how you can use analytics to learn more about your target audience. Prerequisites: MKT 201. Instructor: Mary Owusu Course Format: Online
MKT 397, Search Marketing
Search marketing teaches students how to leverage the power of search engines for promoting brands, products and services. Students learn how to improve a company’s organic (unpaid) listing in search results. In addition, they learn the best ways to invest in paid search listings, including strategies for maximizing the impact of advertising on limited marketing budgets. Finally, students learn how to track the effectiveness and ROI on search marketing campaigns by tracking key metrics and using analytical decision making to demonstrate the impact and success of this powerful digital channel. The Search Marketing course delivers - A practical, hands-on exposure to how search engines work, how you can improve your company’s listing in search results, and how you can use analytics to learn more about your target audience. (counts as MKT and IS elective for dual majors) Prerequisites: MKT 201. Instructor: Mr. Devon Sprague

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/advisementMKTandIS.htm
Mathematics & Statistics

Here are the courses for the Math/Stats majors …

Introductory courses

- **MAT111: Calculus I** (or **MAT109-110: Calculus with Review I and II** or **MAT115: Calculus for Business**). Required for all Mathematics majors, minors, and Math-Ed majors. Note that MAT109-110 covers the same material as MAT111, but with pre-calculus topics such as trigonometry, logarithms, and exponential functions covered in more detail. MAT109 is offered every fall and MAT110 is offered every spring. MAT115 is designed for business majors, and is offered every fall. MAT111 is offered every semester.

- **MAT112: Calculus II.** Required for all Mathematics majors, minors, and Math-Ed majors. Offered every semester.

- **MAT121: Mathematics through History.** Offered regularly. Global Awareness attribute

- **MAT150: Math and Politics:** Offered regularly. Justice Attribute.

- **MAT161: Mathematics for Elementary Teachers:** Offered regularly. Typically for Math-Ed majors.

- **MAT191: Introduction to Discrete Mathematics:** Offered every fall semester. Typically for Computer Science majors.

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

Intermediate courses:

- **MAT230: Logic, Set Theory, and Proofs:** Required for all Mathematics majors, minors, and Math-Ed majors. Offered every fall semester.

- **MAT219: Linear Algebra:** Required for all Mathematics majors, minors, and Math-Ed majors. Offered every spring semester.

- **MAT222: Differential Equations:** Required for secondary Math-Ed majors, as well as Physics and Pre-Engineering majors. Math majors have a choice of taking this course or MAT351. Offered every spring semester.

Upper-level courses to be offered in Spring 2020 semester:

- **MAT341: Numerical Analysis:** Offered every other year. Also considered as a major elective for Computer Science majors.

- **MAT351: Probability and Statistics I** is offered every spring semester.

- **MAT354: Experimental Design and Statistical Computing:** Required for statistics-option majors, and is offered every even-year spring.

- **MAT421: Complex Analysis:** Offered every even-year spring. As a restricted elective, math majors must take one of MAT312: Topics in Algebra, MAT352: Probability and Statistics II, MAT421: Complex Analysis (or MAT322: Topics in Analysis), so that they complete a year-long sequence in one of the major fields of mathematics.

- **MAT380-381-480: Mathematics Seminar.** These three 1-credit courses are required of all Math majors. Oral Communication Attribute.
Other courses for the future:

- **MAT311: Abstract Algebra**: Required for all Mathematics majors and Math-Ed majors. Offered every fall.
- **MAT312: Topics Algebra**: Offered every other year, so the next time is Spring 2021.
- **MAT321: Real Analysis**: Required for all Mathematics majors. Offered every fall.
- **MAT331: Geometry**: Required for all Math-Ed majors. Offered every other fall, so it will be next offered in Fall 2020.
- **MAT342: Graph Theory**: Offered every other year.
- **MAT345: Climate and Sustainability** is a Core Capstone course for seniors, and is for majors from all the sciences. It is also a part of the Core Pathway in Sustainability. Prerequisite is MAT111 or equivalent. Offered every other year.
- **MAT352: Probability and Statistics II** is offered every fall.
- **MAT353: Regression Analysis**: Required for statistics-option majors, and is offered every odd-year spring.
- **MAT 361: Probability for Actuaries**: A 1-credit course that prepares students to take Exam P of the Society of Actuaries or Exam 1 from the Casualty Actuary Society. Offered every other year. Pre-requisite: MAT 211 and MAT 351; Co-requisite: MAT 352 or permission of the instructor.
- **MAT362: Financial Mathematics for Actuaries**: This is a 1-credit course that prepares students to take Exam FM of the Society of Actuaries or Exam 2 from the Casualty Actuary Society. Offered every other year. Pre-requisites are MAT111-112, or permission of the instructor.

Courses that are not regularly offered, but available on-demand or as a tutorial:

- **MAT313: Number Theory**
- **MAT322: Topics in Analysis**
- **MAT370: Topics in Statistics**
- **MAT411: Topology**
- **MAT416: Differential Geometry**

Courses that are offered by the Math/Stats department, which primarily serve students in non-Math majors:

- **MAT105: Finite Mathematics**
- **MAT106: Calculus for the Non-Sciences**
- **MAT131: Statistics for Social Sciences**
- **MAT141: Inferential Statistics and Computers for Science**
Military Science Program (ROTC)

Full-Time Faculty: Lieutenant Colonel Daniel J Gross; Captain Candice Freyburger; Captain D. Scott Harris; Captain Marcus Kelley; Master Sergeant Alfredo Burgos; Sergeant First Class Steven Langridge; Rebecca M. Sparacino, Lieutenant Colonel (Retired); Sylvia Thomas and Andrew G. Ciepiela, Staff Sergeant (Retired)

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, Basic Camp. Students can participate in the MLS 100 level courses without incurring a military obligation. The ROTC Advanced Course consists of the MLS 300 and 400 level courses for a total of 18 credits which includes one summer course, Advanced Camp. All Advance Course Students must also complete MLS 480 (US Military History (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 111 (0 credit) (Fall Semester)
- MLS 102 (3 credit) and MLS 112 (0 credit) (Spring Semester)
- MLS 201 (3 credit) and MLS 211 (0 credit) (Fall Semester)
- MLS 202 (3 credit) and MLS 212 (0 credit) (Spring Semester)
**Note: Students must present Medical Documentation signed by their doctor in order to participate in the lab portion. The required form is available at the Army ROTC department at Canisius College.**

The **Advanced Course** is comprised of MLS 301/311, MLS 302/312, MLS 401/411 and MLS 402/412 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:

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

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

MLS 480-Leadership History (3 credits)

**Military Science Summer Credit**

**MLS 210 – Basic Camp at Ft. Knox, KY**; Basic Camp is a 32 day training program. A student must be a contracted Cadet to attend. For more information on this program, contact the Military Science Department.

**MLS 310 – Advanced Camp at Ft. Knox, KY**; Advanced Camp is a demanding 38 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: 2019-2020**

**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 111/112/211/212 – 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 – Basic Camp – 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. Please send students interested in ROTC Basic Camp to the ROTC department for further information.

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. Concurrent registration in MLS 311L.

MLS 302 – Spring – Applied Team Leadership – 3 credits
This course is an academically challenging course where 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. Concurrent registration in MLS 312L.

MLS 311/312 – 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 MLS 301/302 students.
MLS 310 – Summer Course – Advanced Camp – 3 credits
Advanced Camp 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 411/412 – 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.
THE DEPARTMENT OF FINE ARTS
MUSIC PROGRAM

Music Major
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 2020

Fundamentals of Music        FAM 115
America’s Music               FAM 124
Women in Music                FAM 213
Theory IV/ Theory IV Lab      FAM 340/340L
Performance Lessons           FAM 125, 126, 225, 226
Performance Ensembles         FAM 171, 172, 174, 181, 182, 184,
Art Song                      HON 326

Music majors and minors in the Honors Program may take HON 326 as a music elective.

Music Courses Open to All Students Spring 2020

- Field 3 courses: FAM 115, 124, 213
- Honors Fine Arts course: HON 326.
- Service learning courses: Chorale (FAM 171, FAM 181).
- Attribute courses: FAM 124, 213 (Diversity).
- Free electives: FAM 125, 126, 225, 226 (lessons), and FAM 171-174, 181-184 (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 (or FAM 126/226 for those students who qualify for such courses) and ensembles with no more than 6 of these credits in FAM 125/225 (or FAM 126/226).
- 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
  Jazz Ensemble: FAM 172, 182
  Chamber Orchestra: FAM 174, 184

• A student can opt to take music ensemble for 0 or 1 credit (FAM 171, 172, 174 = 0 cr.; FAM 181, 182, 184 = 1 cr.).

**Music Minor**

• Total 18 credits.

• Required courses: FAM 115, 119. (Note: If a student has sufficient theory background as demonstrated by a placement test, FAM 230 (Theory I) or 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), 223, 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 322, HON 323, HON 324, and HON 326 may be taken as music electives by students in the Honors Program.

**Music Major**

NB: The music major is currently being phased out; no new majors will be accepted after the beginning of the fall 2018 semester.

It is important that music majors contact Dr. Richard Falkenstein for advisement! Register for courses as follows.

• Theory: New majors register for FAM 230/230L (fall semester); other levels are then taken in sequence.

• Lessons: FAM 226 (8 credits in the same performance area required)
  o Students following the performance sequence must take an additional 4 semesters of FAM 226.

• Ensemble: FAM 171/181, 172/182, or 174/184 (8 semesters in the same ensemble required).

• Other required courses: FAM 210 (offered for the last time Spring 2019); FAM 450 (offered Fall 2019).
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 322, HON 323, HON 324, and HON 326 may be taken as music electives by students in the Honors Program.

**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.
- Music literature, choose one: FAM 216, 217, 218, 219, 220.
- Music literature, choose one: FAM 123, 124, 224.
- Music elective (1 course):
DEPARTMENT of PHILOSOPHY

SPRING 2020. The Faculty of the Department of Philosophy invite you to join them during Spring 2020 to experience the power of intellectual investigation into matters important to human beings. Besides multiple sections of PHI 101: Introduction to Philosophy, we offer Field 2 PHI 200 level courses, and also a relatively new PHI 310 course.

Please consult the Department of Philosophy Website for fuller statements about many of our courses listed for Spring 2020.

Spring 2020 Upper Level Course Offerings

While these courses are usually taken by majors and minors, anyone is permitted to take the following:

**PHI 310: History of Philosophy II:** This course covers major figures and movements in western philosophy from the 19th to the 21st Century. Movements include German Idealism, Marxism, Utilitarianism, and Phenomenology. The course then considers developments in Continental and Anglo-American traditions through the 20th and 21st centuries. A unique course, it will be taught by three different members of the Department of Philosophy (Mosko, Havis, Forest), each of whom will teach a section of the course that they have expertise in and have published scholarly works about. This course continues the study of the history of philosophy from PHI 300 in the fall semester and gives students a grounding in the entire history of western philosophy in one year. **Prerequisites:** students should have completed PHI 101 and at least one Field 2 course. PHI 300 is not a prerequisite for PHI 310.

**PHI 401: Narrative, Knowledge, and Rationality.** Can stories communicate knowledge that traditional philosophical argumentation cannot? How do narrative frameworks - from personal and cultural narratives to conspiracy theories - affect our abilities to possess knowledge? What does being "rational" mean - and should it have more to do with logical consistency or narrative cogency? These and other questions at the intersection of epistemology and narrative theory will be addressed throughout the semester. **Prerequisites:** PHI 101

Become a Philosophy Major or Minor

**Philosophy Major:** This curriculum requires only 10 courses beyond PHI 101. Enrich your intellectual understanding of contemporary life and past traditions by majoring in Philosophy. This curriculum is also easy to adapt to a program for a double major.

**Philosophy Minor:** This curriculum requires only 5 courses beyond PHI 101. Explore ideas and traditions and become a Philosophy Minor by adding a few courses to your schedule.

Contact the Department Chair, Dr. Reed (reedp@canisius.edu), or the Program Adviser, Dr. Chanderbhan (chanders@canisius.edu) to find out how to adapt these programs to your curriculum.
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/polsci/

THE POLITICAL SCIENCE MAJOR (12 courses. 34 credits)
- Seven required courses: PSC 103, 104, 111, 140, 150, research methods, and 401 (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 the 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 approved elective on American political institutions & behavior.

Law and Public Policy Minor, 8 courses
- PSC 103, 215, 245, 320, 321 (or 420), 345, ECO 101 (macro-economics); and one approved elective in public finance/economics. ECO 102 (micro-economics) is recommended as a prerequisite for most electives in Economics.

International Relations Minor, 9 courses
- PSC 140 and 150; world history sequence (2 courses); HIS 300 Historical Geography (or substitute) International Business/Economics (1 elective course); three elective courses approved for IR (from PSC, HIS, IBUS, etc.); and modern foreign language requirement.

CORE CURRICULUM & THE POLITICAL SCIENCE MAJOR
- Required courses in the PSC major cover Fields 4 and 5 of the core curriculum (History and Sociology), as well as the attributes of Justice and Global Awareness.
- Major electives can cover intensive writing, oral communication, and the core capstone

REGISTRATION PINs AND ADVISING
PINs can be obtained, with advising, from any department member: Be sure to check your GriffAudit first and be able to explain your plans for a course schedule and graduation.
- Dr. John Occhipinti (occhipij@canisius.edu, Dept. Chair, Director, European Studies)
- Dr. Paola Fajardo-Heyward (fajardop@canisius.edu, Director, International Relations)
- Dr. Kevin Hardwick (hardwick@canisius.edu, Director, Urban Studies)

CO-CURRICULAR ACTIVITIES
- Student Clubs: College Republicans, Young Democrats, Phi Alpha Delta (Pre-Law), Mock Trial, MUNDO (Model UN), Peace Action, Latin American Students and Friends (LASAF), and more…
• **Raichle Pre-Law Center:** Prepare for law school & participate in internships with judges or attorneys. Meet with the Director, Robert Klump (klumpr@canisius.edu).
  
  o See the Raichle Pre-Law pages for course offerings: Mock Trial and Legal Reasoning

• **Internships:** State & local government in Buffalo or semester-long in Washington, DC
  
  *** Academic credit (pass/fail as free elective) for an internship requires Sponsorship by a PSC Dept. faculty member & an application submitted to Dr. Occhipinti by May 1.

### MAJOR ELECTIVES FOR SPRING 2020

- For course descriptions, see the undergraduate catalog via Canisius.edu
- For days/times & core application, see the course schedule via MyCanisius website.

**World Politics**

- 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 Seminar in International Relations (core capstone, permission required) (Occhipinti)

**American Government, Politics and Public Law**

- PSC 233 Interest Groups/Public Opinion in America (Horner)
- PSC 321 American Constitution Law II (Campana)
- PSC 334 Public Administration (Hardwick)

### REQUIRED COURSES

- **HVS 303 Research Methods in the Social Sciences.** This course has been designed with Political Science majors in mind. Substitutes for this course will not be permitted. (PSC 217 will no longer be offered). Offered Spring 2020.

- **Other required courses offered in Spring 2020:** PSC 103, 104, 111, and 140. These courses will also be offered in Fall 2020, along with PSC 150
Important notice about test preparation courses! Canisius has arranged for an institutional partnership with Kaplan that provides discounts ranging from 30%-50% off prep courses for the MCAT, DAT, OAT, PCAT, GRE, LSAT. Please see the Dr. Backstrom for information prior to registering for any Kaplan course. Discounts may not be applied retroactively.

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 register with the Pre-Medical Center so they can be assigned an appropriate attribute: Medicine, Dentistry, Pharmacy, Veterinary Medicine, Physical Therapy, Physician Assistant, Nursing, Chiropractic, Occupational Therapy, Podiatric Medicine or Health (‘health’ includes all other areas such as Public Health, Naturopathic Physician, 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 from school to school. We have information for the full range of health professions in our Center.

Enrollment in Pre-Med/Pre-Health Program: Enrollment involves students completing a short survey to help us identify which career paths they want to learn more about and a primary goal, if known. We then appropriately code them in the college Banner system and enroll them in our D2L PreHealth group. We also get students connected with the appropriate student groups on campus. 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.

**HRP 498 PEPID Medical Informatics Internship**
3 credits, The purpose of this internship is to introduce students to the concepts of medical informatics. This overview course will provide a broad exposure to the field of informatics and the students will learn how information is created, interpreted, processed, stored and
applied in healthcare with the help of modern technology. Travel out of state is required.
Prerequisite: Permission of the Program Director and competitive application to PEPID.
Fall/Spring

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.

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. Note that medical schools are beginning to add
courses such as physiology to their entrance requirements.

MCAT2015: In 2015, a revised MCAT (Medical College Admissions Test) was first offered.
(https://www.aamc.org/students/applying/mcat/mcat2015/)
All students planning to take the MCAT will need to know specific content covered in
typical introductory level psychology, sociology and basic biochemistry courses in addition to
the previous MCAT content (general chemistry, organic chemistry, general biology, and
general physics). A specific statistics course is not required for the MCAT but the exam will
have students utilize basic statistics in interpreting scientific and social science content. Many
medical schools do require a specific statistics course. The new MCAT consists 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 – 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 note that waiting a year to apply to medical school to allow more time to prepare for the MCAT will only strengthen a candidate’s application.

**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/admissionsinitiative/competencies/345310/competencies.html](https://www.aamc.org/initiatives/admissionsinitiative/competencies/345310/competencies.html)

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.

**Interpersonal Competencies**

**Service Orientation:** Demonstrates a desire to help others and sensitivity to others’ needs and feelings; demonstrates a desire to alleviate others’ distress; recognizes and acts on his/her responsibilities to society; locally, nationally, and globally.

**Social 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.

**Cultural Competence:** Demonstrates knowledge of socio-cultural factors that affect interactions and behaviors; shows an appreciation and respect for multiple dimensions of diversity; recognizes and acts on the obligation to inform one’s own judgment; engages diverse and competing perspectives as a resource for learning, citizenship, and work; recognizes and appropriately addresses bias in themselves and others; interacts effectively with people from diverse backgrounds.

**Teamwork:** Works collaboratively with others to achieve shared goals; shares information and knowledge with others and provides feedback; puts team goals ahead of individual goals.

**Oral Communication:** Effectively conveys information to others using spoken words and sentences; listens effectively; recognizes potential communication barriers and adjusts approach or clarifies information as needed.

**Intrapersonal Competencies**

**Ethical Responsibility to Self and Others:** Behaves in an honest and ethical manner; cultivates personal and academic integrity; 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; develops and demonstrates ethical and moral reasoning.

**Reliability and Dependability:** Consistently fulfills obligations in a timely and satisfactory manner; takes responsibility for personal actions and performance.

**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.

**Capacity for Improvement:** Sets goals for continuous improvement and for learning new concepts and skills; engages in reflective practice for improvement; solicits and responds appropriately to feedback.
**Thinking and Reasoning Competencies**

**Critical Thinking:** Uses logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.

**Quantitative Reasoning:** Applies quantitative reasoning and appropriate mathematics to describe or explain phenomena in the natural world.

**Scientific Inquiry:** Applies knowledge of the scientific process to integrate and synthesize information, solve problems and formulate research questions and hypotheses; is facile in the language of the sciences and uses it to participate in the discourse of science and explain how scientific knowledge is discovered and validated.

**Written Communication:** Effectively conveys information to others using written words and sentences.

**Science Competencies**

**Living Systems:** Applies knowledge and skill in the natural sciences to solve problems related to molecular and macro systems including biomolecules, molecules, cells, and organs.

**Human Behavior:** Applies knowledge of the self, others, and social systems to solve problems related to the psychological, socio-cultural, and biological factors that influence health and well-being.

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

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

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

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

**GOOD STANDING:** To be considered in good standing with the Pre-Med Center, students should complete the registration form, submit annual updates to the Pre-Med Center as detailed in Stay on Track meetings each semester, and participate in the Health Sciences Advisory and Recommendation Committee (HSARC) process to obtain a letter of evaluation. Both allopathic and osteopathic medical schools will request a HSARC committee letter of evaluation be submitted by Canisius College as part of each student’s medical school application.
REQUIRED AND RECOMMENDED COURSES FOR PRE-MED STUDENTS
All students, regardless of major, must take the required courses indicated below. In addition, certain other courses are recommended, although not required. Students must stay in contact with the Pre-Med Center regarding requirements for individual medical schools.

***Please note that medical schools are beginning to increase course requirements to include such courses as Physiology.

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

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

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

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

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

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

- Biochemistry – 1 semester with lab required/2 semesters recommended (the MCAT contains content from both semesters)
  - BIO 211, BIO 211L, BIO 212, BIO212L
    - Or
    - BCH 301, BCH 301L, BCH 302

- Psychology – 1 semester required/2 semesters recommended (the MCAT contains content from both semesters)
  - PSY 101, PSY 102

- Sociology – 1 semester required
  - SOC 110

- Statistics – 1 semester required
  - MTH 141 Or PSY 201

- College Math – 1 semester (MTH 111 Calculus I is recommended - MTH 109/110 may substitute for MTH 111)

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

- **Science Recommended Courses**
  - Students not majoring in the sciences should select additional coursework in the sciences with the help of the pre-med advisor.

**GPA INFORMATION FOR PRE-MED STUDENTS**

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

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

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

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

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

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

**FOR MORE INFORMATION OR IF YOU HAVE QUESTIONS ABOUT THE REQUIREMENTS OF A PARTICULAR DENTAL SCHOOL:** Contact the Pre-Med Center (SH1026) at 716.888.2539 or email backstra@canisius.edu.
REQUIRED AND RECOMMENDED COURSES FOR PRE-DENT STUDENTS
All students, regardless of major, should take the required courses indicated below to be eligible to apply to a broad range of dental schools. In addition, certain other courses such as Microbiology are recommended or required by individual schools. Students must stay in contact with the Pre-Med Center regarding requirements for individual dental schools.

- English Composition – 1 course
  - FYS 101 or HON 101
- English Literature – 1 course
  - ENG 101 or HON (Literature designation)
- General Biology – 2 semesters with lab
  - BIO 111, BIO 111L, BIO 112, BIO 112L
- General (Inorganic) Chemistry – 2 semesters with lab (CHM 109/110 may substitute for CHM 111)
  - CHM 111, CHM 111L, CHM 112, CHM 112L
- General Physics – 2 semesters with lab
  - PHY 201, PHY 201L, PHY 202, PHY 202L
  - Or
  - PHY 223, PHY 223L, PHY 224, PHY 224L
- Organic Chemistry – 2 semesters with lab
  - CHM 227, CHM 227L, CHM 228, CHM 228L
- Biochemistry – 1 or 2 semesters with lab recommended
  - BIO 211, BIO 211L, BIO 212, BIO212L
  - Or
  - BCH 301, BCH 301L, BCH 302
- Psychology/Sociology – 2 semesters are recommended
  - PSY XXX (not PSY 201), SOC XXX
- Statistics – 1 semester is recommended
  - MTH 141 Or PSY201
- College Math – 1 semester is recommended (MTH 111 Calculus I is recommended - MTH 109/110 may substitute for MTH 111)
- Humanities and Social Sciences Recommended Courses
  - Students should select challenging courses in areas such as philosophy, ethics, literature, behavioral and social sciences, etc. to help develop strong critical analysis and reading skills.
- Science Recommended Courses
  - Students not majoring in the sciences should select additional coursework in the sciences with the help of the pre-dental advisor.

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

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

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

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

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

GOOD STANDING: To be considered in good standing with the Pre-Med Center, students should complete the registration form and submit annual updates to the Pre-Med Center as detailed in Stay on Track meetings each semester.

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

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

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

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

• General Biology – 2 semesters with lab
  - BIO 111, BIO 111L, BIO 112, BIO 112L
• General (Inorganic) Chemistry – 2 semesters with lab (CHM 109/110 may substitute for CHM 111)
  o CHM 111, CHM 111L, CHM 112, CHM 112L.
• General Physics – 2 semesters with lab
  o PHY 201, PHY 201L, PHY 202, PHY 202L
  Or
  o PHY 223, PHY 223L, PHY 224, PHY 224L.
• Organic Chemistry – 2 semesters with lab
  o CHM 227, CHM 227L, CHM 228, CHM 228L.
• Biochemistry – 1 semester with lab required/2 semesters recommended (Guelph requires both BIO 211/212)
  o BIO 211, BIO 211L, BIO 212, BIO212L
  Or
  o BCH 301, BCH 301L, BCH 302.
• Microbiology – 1 semester with lab is recommended (required by most vet schools)
  o BIO 307, BIO 307L.
• Genetics – 1 semester with lab is recommended (required by many vet schools, including Guelph)
  o BIO 404, BIO 404L.
• Statistics – 1 semester is required
  o MTH 141 Or PSY201.
• College Math – 1 semester is recommended (MTH 111 Calculus I is recommended by some schools - MTH 109/110 may substitute for MTH 111).
• Humanities and Social Sciences Recommended Courses
  o Students should select challenging courses in areas such as philosophy, ethics, literature, behavioral and social sciences, etc. to help develop strong critical analysis and reading skills.
• Science Recommended Courses
  o Students not majoring in the sciences should select additional coursework in the sciences with the help of the pre-vet advisor.

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

Canisius graduates who desire to enter nursing typically complete a one-year accelerated nursing program leading to a Bachelor of Science of Nursing. This is a nice stepping stone into pursing an advanced degree to become a Nurse Practitioner. The PreMedical Center will work with students to identify and complete the appropriate prerequisites.
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 2020! 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, email (lotteres@canisius.edu) or stop in and see Sharon Lotterer in the Psychology Department.

***NEW COURSE THIS SEMESTER***

**PSY 375 – Psychology of Addiction**

What courses are being offered in Spring 2020?

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 102A, C</td>
<td>Introduction to Psychology II</td>
</tr>
<tr>
<td>PSY 201A, B</td>
<td>Basic Stats for the Behavioral Sciences</td>
</tr>
<tr>
<td>PSY 202A, B</td>
<td>Research Methods in Psychology</td>
</tr>
<tr>
<td>PSY 203</td>
<td>Lifespan Developmental</td>
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<tr>
<td>PSY 303</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PSY 312</td>
<td>Autism Spectrum Disorder</td>
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<tr>
<td>PSY 318</td>
<td>Social Psychology</td>
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<tr>
<td>PSY 320</td>
<td>Cultural Psychology (Capstone)</td>
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<tr>
<td>PSY 360</td>
<td>Psychology and Law</td>
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<tr>
<td>PSY 373</td>
<td>Behavior Modification</td>
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<tr>
<td>PSY 375</td>
<td>Psychology of Addiction</td>
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<tr>
<td>PSY 380</td>
<td>Science and Pseudoscience in Psychology</td>
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<tr>
<td>PSY 384</td>
<td>Child and Adolescent Psychology</td>
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<tr>
<td>PSY 398</td>
<td>Neurobiology of Childhood Mental Disorders</td>
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<tr>
<td>PSY 402</td>
<td>Applied Research Methods</td>
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<tr>
<td>PSY 410</td>
<td>Fundamentals of Human Neuropsychology</td>
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<tr>
<td>PSY 453</td>
<td>Theories of Counseling</td>
</tr>
<tr>
<td>PSY 495</td>
<td>Guided Research in Psychology*</td>
</tr>
<tr>
<td>PSY 498B</td>
<td>Practicum: Industrial/Organizational*</td>
</tr>
<tr>
<td>PSY 498C</td>
<td>Practicum: Clinical Psychology*</td>
</tr>
<tr>
<td>PSY 498D</td>
<td>Practicum: School Psychology*</td>
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<tr>
<td>PSY 498E</td>
<td>Practicum Sports Psychology*</td>
</tr>
<tr>
<td>PSY 498F</td>
<td>Practicum: Forensic Psychology*</td>
</tr>
<tr>
<td>PSY 498G</td>
<td>Practicum: Child, Family &amp; Community*</td>
</tr>
</tbody>
</table>
In the Department’s numbering scheme, **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 2019 that had a previous number (pre-2009) are noted as such; for a complete list of courses, see [http://www.canisius.edu/religious-studies/courses/](http://www.canisius.edu/religious-studies/courses/)

The department is pleased to announce a **new special course** that serves as a 1-credit free elective: Exploring Your Spirituality: Discovering Your Relationship with God. Open to students of all (or no) faith traditions, Deacon Gary Andelora and Father Thomas Slon, SJ will direct students in relevant readings meant to explore the nature of spirituality. It will meet once a week for two hours over the course of seven weeks.

**For Majors:**

The following required courses will be offered:

- Fr. Benjamin Fiore, SJ will be offering **RST 201: Introduction to the New Testament** (Field 1), which examines the literature of the New Testament, the socio-historical context that produced it, and its use as a historical source for the study of the early Christian movement.

- Dr. Jonathan Lawrence will be offering a section of **RST 200: Introduction to the Hebrew Bible** (Field 1, Global Awareness), an introduction to the literature of the Hebrew Bible (for Christians, the Old Testament) within its ancient Near Eastern setting. Particular attention paid to historical, literary, cultural and theological questions.

Both these courses, as well as those listed below, also fulfills the Field 1 requirement in the core curriculum for the college.

The Department will also be offering the following courses which are either free electives for the major or fulfill at least the Field 1 requirement.

**NEW COURSE:** Dr. Krawiec will be offering **RST 304 Women, Gender, and Religion: Christianity, Judaism, and Islam** which will explore traditional teachings about women in each of these three related traditions, as well as modern feminist challenges to reform the traditions from within. This course fulfills the Diversity requirement in addition to Field 1.

In addition:

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

- Dr. Christopher Lee will be offering **RST 220: Eastern Religions** (Field 1, Global Awareness). This survey course will introduce students to the range and complexity of some of the religious traditions associated with South, Southeast and East Asia. Students will encounter a wide variety of
primary and secondary sources describing these religious traditions and experiences, including sacred
texts, mythology, medieval devotional poetry, and more.

• Mr. T. J. Snodgrass will be offering two sections of **RST 221: Native American Religion.** The
nature of indigenous religions in Native American societies and the effect of cultural change through
contact with other cultures. Please note that this course fulfills Field 1, but was not re-certified for
Diversity.

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

• Rabbi Moshe Silberschein will be teaching **RST 240: Development of Jewish Thought and
Practice.** This course examines Jewish religious thought and practice from biblical times to the
present, including modern trends in Judaism. Please note that this course fulfills Field 1 but no
longer carries the Diversity attribute.

• Dr. Rourke will be offering two sections of **RST 347 Ecotheology,** a
critical investigation of Christian theologies’ messages about and methods of engaging
environments. This course fulfills the Oral Communication requirement in addition to Field 1.

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

The Department of Sociology, Criminal Justice, and Environmental Studies offers a major and a minor in each of the following academic areas: Sociology, Anthropology, and Criminal Justice. The Department also offers or contributes to interdisciplinary minors in Child, Family, and Community Studies and Peace and Justice Studies.

Please consult the following websites for additional information:

- Sociology: http://www.canisius.edu/sociology/
- Criminal Justice: http://www.canisius.edu/criminal-justice/
- Environmental Studies: http://www.canisius.edu/enviro-studies/

Advising for Spring 2020:

Please run a current GriffAudit and bring it to your advising meeting with a tentative schedule.

10/3-10/18    Progress Reports Available- Schedule a meeting with your advisor if necessary
10/11/19      Friday     Spring 2020 schedule and advisement guide online
10/22/19      Tuesday    Undergraduate registration begins for students with 84.0 earned credit hours at 7:30am
10/29/19      Tuesday    Undergraduate Registration begins for students with 54.0-83.0 earned credit hours at 7:30am
11/5/19       Tuesday    Undergraduate Registration for students with 24.0-53.9 earned credit hours at 7:30am
11/12/19      Tuesday    Undergraduate Registration for students with 0-23.9 earned credit hours at 7:30am

SOCIOLOGY

Spring 2020 courses in Sociology
SOC 111 Social Problems
SOC 234 Environment and Society
SOC 273 Social Movements & Social Change
SOC 291 Life Course and Family
SOC 324 Visual Sociology
SOC 498 Internship
HSV 303 Social Research Methods

Other courses offered in Spring 2020 that count for Sociology elective credit.
CRJ 455 Criminology
CRJ 325 Restorative Justice
CRIMINAL JUSTICE
Spring 2020 Courses in Criminal Justice
CRJ 228 Criminal Justice II
CRJ 250 Criminal Law and Procedure
CRJ 280 Language for Legal Professions
CRJ 325 Restorative Justice
CRJ 330 Current Issues in Forensic Psychology
CRJ 455 Criminology
CRJ 498 Internship

Other Courses that count as Criminal Justice elective credit.
Please check the following department listings for available Spring 2020 courses.
Political Science:
PSC 103 Constitutional Foundations of American Government
PSC 320 American Constitutional Law I
PSC 321 American Constitutional Law II
PSC 345 Transnational Crime After 9/11
Psychology:
PSY 202 Research Methods
PSY 303 Abnormal Psychology
PSY 360 Psychology and Law
Sociology:
SOC 315 Geographical Information Systems for the Social Science

Human Services:
HSV 303 Research Methods (Take as option to PSY 202, ANT 351)

***Registration for CRJ 498 internship requires meeting with Professor Contrino or Robinson (during Fall 2019 semester) for approval of an internship site, minimum gpa, and junior standing.

ANTHROPOLOGY - For students finishing the ANT minor

Spring 2020 Courses for Anthropology Students
RST 219 Eastern Orthodox Christianity
RST 221 Native American Religions
RST 360 Magic, Science and Religion
RST 391 Religious Diversity in Buffalo

SOC 273 Social Movements and Social Chang
ENVIRONMENTAL STUDIES

Spring 2020 courses in Environmental Studies
*EVST 111  Science of Environmental Problems
SOC 273  Social Movements and Social Change
*SOC 324  Capstone in Environmental Studies/Visual Sociology
*EVST 498  Environmental Studies Internship

Note: If registering for an internship for Spring 2020, you must receive approval prior, BY NOVEMBER 2019 to pursue this for academic credit.

Students should refer to the following department listings regarding 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 2020 courses.

Department of Economics:
*ECO 101
*ECO 310/311 - TAKE INSTEAD OF SOC 315 instead this semester

Department of Religious Studies:
*RST 347

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

* Indicates Required Course for Major
Students in the Sport Management major can build the foundation of your career in the classroom at Canisius College. The faculty at Canisius will share, inspire, and teach the building blocks to create a career in sports.

Gain experience outside the classroom through the vast network of the internship program. With the help of faculty and over 700 Master of Sport Administration alumni in the sports industry the internship program is a stepping stone to the start of your career in sports. Buffalo is a premier sports city with professional, intercollegiate, special events and high school opportunities.

Canisius also offers plenty of on campus opportunities to gain real life experience. Through the Koessler Athletic Center and ESPN3, practicum experiences are endless throughout the program.

Advisement
In order to register for Spring 2020 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.

Students’ advisors are listed in a number of places: 1) on a master list in the hallway in Koessler just outside the gym doors. For general questions, please contact the department director, Dr. Shawn O’Rourke (orourke1@canisius.edu).

Internships
Qualified junior and senior majors may apply for an internship. For further information, please see Dr. Shawn O’Rourke, director of the internship program.

Sport Management Course Offerings for Spring 2019

**Required Courses**
- SPMT 455 Governance & Policy in Sport
- PED 351 Coaching Theory & Techniques
- SPMT 480 Research Methods (Intensive Writing Attribute)
- SPMT 355 Sport Operation & Planning
- SPMT 475 Sport Management Professional Development Seminar
- KIN 494 Core Capstone
- SPMT 490 Internship

- SPMT 245ONL Technology in Sport
- SPMT 320 Psychology of Sport
- SPMT 420 Economics & Finance in Sport

(For days and times of these courses, please refer to listings on the college’s website.)
**Spring 2020 Course Descriptions**

SPMT 245 Technology in Sport 3 credits  
This course is an introduction to technology in sport. The course is designed to provide students with experience in integrating technology into sport.  Spring

SPMT 320 Psychology of Sport 3 credits  
This course will review the major social/psychological theories utilized in current sport psychology research.  Spring

SPMT 355 Sport Operation & Planning 3 credits  
This course is designed to provide learning experiences in the administrative tasks of planning new athletic facilities, renovating older facilities and maintaining existing sport facilities. Management principles and concepts as they affect facilities will also be examined.  Spring

SPMT 455 Governance & Policy in Sport Organizations 3 credits  
This course is an examination of sport organizations focused on both professional and amateur governance structures and processes. The study of policy in educational, non-profit, professional and international sport venues will also be addressed.  Spring

SPMT 420 Economics and Finance in Sport Industry 3 credits  
This course is a survey examination of principles of economics, budgeting, and finance as it applies to the sport industry.  Spring

SPMT 475 Sport Management Professional Development Seminar 3 credits  
To prepare the student for the process of seeking a job as well as being successful in a job in the sports management field. This is a seminar format in which students synthesize and apply theories, concepts, and practices in the leadership and management of sport organizations.  Spring

SPMT 480 Research Methods 3 credits  
Covers the development of empirical research designs for both practical and theoretical problems in sport management. Includes literature review of hypothesized relationships, and formulation of research proposals.  Spring

SPMT 490 Internship 6 credits  
This supervised professional experience provides a continuous and structured opportunity to apply principles and skills developed in the classroom to the solution of practical problems in a sport industry setting.  Spring
Sports & Exercise Health Care

The new major in Sports & Exercise Health Care is for students interested in sports medicine, exercise and health care careers and obtaining prerequisites for professional schools related to health care. Typically, students are interested in physical and occupational therapy, athletic training, physician assistant, chiropractic, medical school and other health care professions. The first major course KIN 200 Taping and Bandaging was offered in the fall of 2019. The next course in the major sequence is KIN 261 Injury/Illness Evaluation Techniques and will be offered in the spring of 2020. The course is a mixture of lecture and lab activities that will expose students to basic evaluation skills related to common sports injuries. In addition, students will observe 50 hours of injury/illness evaluation observation in a sports medicine clinical setting. The prerequisite for the course is KIN 200, Kinesiology. If you have questions about the course or major contact Mr. Michael Dolan, mdolan@canisius.edu or Dr. Karl Kozlowski kozlow13@canisius.edu
THE DEPARTMENT OF FINE ARTS
STUDIO ART PROGRAM

Courses Offered Spring 2020

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 141ONL: Digital Photography; online course (Field 3)
FAS 142ONL: Travel Photography; hybrid online course (Field 3) (Travel fee)
FAS 170: Painting I (Field 3) (supplies fee required)

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

NB: Studio Art courses often have supplies fees; please refer to the course schedule for fee amounts. Travel photography requires a substantial travel fee.

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