

of worth to faculty and administrators in evaluating the effectiveness of the General Education curriculum and revising it as deemed necessary to better serve the needs of current and future students. Finally, prospective employers and others expect institutions of higher learning to provide information, which documents the learning, which occurs in a baccalaureate degree program. From a number of perspectives, measuring learning progress is a valuable activity.

To provide learning outcomes information, students will be required to participate in occasional General Education tests, exercises and surveys aimed at assessing student progress and studying perceptions, attitudes and opinions regarding the program. Students may also be asked to participate in similar assessment activities in their major.

## Majors and Minors

The major requirement is designed to ensure that all students will have the experience of disciplined and cumulative study, carried on over an extended period of time, in an important field of intellectual inquiry. After completing 57 credit hours, or approximately at the end of the sophomore year of study, all students must choose the subject or major area in which they wish to concentrate.

At a minimum, the major consists of 30 credit hours of study in one field. Bachelor of Science and Bachelor of Fine Arts degree majors require more total hours. At least 15 upper-division credit hours of the major must be taken at SUNY Potsdam.

To be eligible to graduate with a bachelor's degree, a student must complete 30 credit hours of the major with at least a 2.0 in each course. Departments may set a higher minimum grade point average or number of credit hours with the approval of the Faculty Senate.

### Declaration/Change of Major

Students may declare more than one major. If the two (or more) majors are associated with different degrees, the student will be awarded the degree of the program listed in the College's records as the first major. For information on earning two bachelor's degrees, see page 17.

The Crane School of Music students select a major at the time of admission and are assigned an advisor prior to the beginning of their first semester of enrollment. Music students wishing to change majors, either within music or to a major in another area of the College, should refer to The Crane School of Music publication, Academic Information Supplement for the correct procedure.

Students in the School of Arts and Sciences may declare a major by making an appointment with the chair of the department in which they wish to major. The chair assigns an adviser in the major and completes the declaration of major form. To change a major a student should make an appointment with the chair of the new department. Majors must be declared after completion of 60 hours but can be declared earlier.

Students who wish to declare a major in teacher education should review the School of Education and Professional Studies application procedures on page 171.

### Selection of Minor

Students who wish to declare a minor should meet with the chair of the department which sponsors the minor and make a declaration in the same manner as for a major.

## Denial for Continuation in Major or Program/ Right to Appeal Denial

With the approval of the appropriate committee of the School and its dean, and the Provost, departments of The Crane School of Music, the School of Arts and Sciences and the School of Education and Professional Studies may establish academic standards for their majors and may deny continuance in the major to students who do not meet the standards.

Students have the right to appeal such denial according to established procedures in the department or School concerned.

## Electives

Most students have the opportunity to elect more than 50 credit hours of coursework outside the major area of study. The electives may be used to strengthen the major; to earn a second major or a minor; to participate in Special Academic Opportunities to meet requirements for entry to various professions, including teacher education or Vocational Intent Programs; or simply to study subjects of individual interest and concern.

Students are reminded, however, that certain other graduation requirements (e.g., for the B.A. degree, 90 credit hours of liberal arts, 70 hours outside of the department and 45 hours of upper-division work) must continue to be carefully observed in choosing electives.

# ACADEMIC ENRICHMENT OPPORTUNITIES

## Center for Undergraduate Research

Contact Person: Carleen Graham  
102 MacVicar, 315-267-2051, curr@potsdam.edu

The Center for Undergraduate Research (CUR) is the primary resource for faculty-student collaborative scholarly and creative work that advances the understanding of an academic discipline through the examination, creation and communication of new knowledge.

CUR sponsors a variety of workshops and seminars for faculty and students related to instructional pedagogy, current trends, and best practices in undergraduate research and serves as an advocate to foster a vital campus culture of collaborative faculty-student research and creative activity.

### Awards and Opportunities:

- Kilmer Undergraduate Research Apprenticeships: supports student-faculty collaborative projects during the academic year
- Kilmer Undergraduate Research Poster Excellence Awards: awarded to three students at the annual campus Learning and Research Fair
- Ram L. Chugh North Country Research and Public Service Award: given to a student whose poster at the annual Learning and Research Fair focuses on issues related to and benefiting the North Country region of New York State
- Posters of the Month: highlight student research activities and are displayed in the Carson Hall wing adjacent to MacVicar Hall and on the CUR Web site at [www.potsdam.edu/cur](http://www.potsdam.edu/cur)

## Honors Program

**Contact Person:** David A. Smith  
149 Morey, 315-267-2018, smithda@potsdam.edu

In order to support an environment at SUNY Potsdam that is intellectually stimulating and enriching for students, faculty and staff, and in keeping with the tradition and mission of the College as an institution that prepares outstanding teachers, the Honors Program strives to provide intellectual enrichment for the entire campus community. For additional information, go to [www.potsdam.edu/honors](http://www.potsdam.edu/honors).

### Eligibility

National Merit Finalists and Semi-finalists as well as high school valedictorians and salutatorians will be invited to participate in General Honors. Students with a minimum high school GPA of 93 percent may be admitted to General Honors as incoming first-year students. Specific figures may vary from year to year depending upon the quality of the applicant pool. In addition, any student who feels qualified for the Honors Program, but who does not meet the minimum SAT and GPA criteria, may apply for admission to the Honors Director. Students who have earned a minimum overall GPA of 3.25 during their first semester at SUNY Potsdam may be admitted to the program in their second semester by application to the Honors Director.

Students who successfully complete General Honors will automatically qualify for admission to Advanced Honors, as will transfer students from community colleges who have successfully completed an honors program as part of their two-year college degree, and transfer students from four-year colleges who have successfully completed the first two years of an honors program at their previous institution. In addition, students who have earned a minimum overall GPA of 3.25 at SUNY Potsdam after the equivalent of three semesters of full-time course work, and transfer students who have earned a minimum overall GPA of 3.25 after the equivalent of at least three semesters of full-time course work, will be eligible to apply to the Honors Director for admission to the Honors Program.

### Curriculum

The Honors Program curriculum has two parts: General Honors (primarily for first- and second-year students), and Advanced Honors (exclusively for juniors and seniors). There is significant flexibility in the Honors Program curriculum. However, students' roles and responsibilities as scholars in the College community and as citizens in a larger world is a theme developed in the required honors colloquia.

### General Honors

All students in General Honors are required to complete a one-credit honors colloquium, coordinated by the Honors Director, which introduces honors students to the College academic community. In addition, students should complete a minimum of three honors courses (9-12 credit hours) by the end of their senior year from the following choices:

1. An honors section of a course already in existence;
2. A designated honors course created specifically for the Honors Program;
3. An honors experience or internship (only one honors internship/experience can count toward completion of General Honors);
4. A general honors thesis;
5. In special cases, a student may apply to the Honors Council to develop a contract with an instructor to do honors work in a particular course.

### Advanced Honors

All students in Advanced Honors will be required to complete a one-credit colloquium on the topic "Scholar as Citizen" coordinated by a SUNY Potsdam faculty member. In addition, students should complete one of the following options:

1. A Presidential Scholars project (on the following page).
2. The Departmental Honors Program in their majors.
3. A project/thesis within their major if there is no departmental honors program.
4. A project/thesis outside their major.
5. An upper-division honors service-learning project.
6. An honors internship.

There is an expectation that SUNY Potsdam honors students will use their talents in service to the College community by volunteering their time as tutors or advisers, or for other support services.

### Orientation and Advising

The Honors Program Director serves as a secondary academic adviser to all honors students. Honors students have the opportunity to develop an advising team, selected from teaching faculty, non-teaching faculty and staff from across the campus, that will facilitate development of coherent educational plans; a library adviser to assist with research (to be developed in consultation with the library staff); and a student mentor selected from upper-division honors students. Honors students will be awarded priority registration privileges, and will be given the opportunity for priority assignment to "study intensive space" in the residence halls (e.g., through the Honors FYE Floor and other residential housing and programming designed for honors students).

### Graduation Requirements

Graduation with General Honors requires completion of the "General Honors Colloquium" (1 cr.) and three additional General Honors courses (9-12 credit hours), with a minimum overall GPA of 3.25 in the honors courses and a minimum overall GPA of 3.0.

Graduation with Advanced Honors requires satisfactory completion of the "Scholar as Citizen" honors colloquium (1 cr.), a minimum overall GPA of 3.0, and satisfactory completion of one of the following options:

1. Presidential Scholars project;
2. Official Departmental Honors Program;
3. Project/thesis within the major department if departmental honors exists;
4. Project/thesis outside the major department if no departmental honors program exists;
5. Upper-division honors service-learning project;
6. An honors internship.

Students who complete both General Honors and Advanced Honors curricula will be recognized as SUNY Potsdam Distinguished Scholars in addition to their recognition as having completed General Honors and Advanced Honors.

## Presidential Scholars Program

**Contact Person:** Rebecca Gerber  
A102 Schuette, 315-267-3228, gerberrl@potdams.edu

The Presidential Scholars Program offers a unique opportunity for talented and motivated SUNY Potsdam students to expand their educational horizons. The program provides support to those whose breadth of experience and diverse interests might otherwise go unrecognized. Scholars have taken advantage of the support provided by the program to conduct extensive research on a topic of their choosing, enroll in coursework offered by other colleges that is not available at SUNY Potsdam, and travel to conferences to present their work. Students are given the opportunity to design an academic curriculum suited to their own needs and, in addition, are entitled to the following benefits:

- priority registration for classes each semester,
- an academic advising team from within SUNY Potsdam faculty,
- a guaranteed annual stipend for directed project support.

Presidential Scholars are selected on the basis of academic excellence, a commitment to individual intellectual goals, and a willingness to share their endeavors with the community. Students will be eligible to apply for admittance to the program in the fall semester after completing at least 30 credit hours at SUNY Potsdam and a minimum GPA of 3.5. Students accepted into the program, following the application and interview process, will have at least four full semesters remaining at SUNY Potsdam. Eligible students will be notified by mail.

## Student Fellowship Program

**Contact Person:** Rebecca Gerber  
A102 Schuette, 315-267-3228, gerberrl@potdams.edu

The Student Fellowship Program assists students in preparing for nationally competitive awards like the Fulbright Marshall, Jack Kent Cooke, and Boren scholarships. These awards are for students planning graduate opportunities in research, teaching English abroad, or language enhancement for languages critical to U.S. interests. Students should contact the Student Fellowship Office early in their academic program to learn more about developing a plan during their undergraduate years, making connections with faculty, and pursuing research experiences. National scholarships are available for all areas of academic study. Most awards require an on-campus interview and college endorsement of the application. Information about the specific awards can be found online at [www.potsdam.edu/specialprograms/fellowships](http://www.potsdam.edu/specialprograms/fellowships).

## Tutorial Study

**Contact Persons:**  
Arts and Sciences Dean, 106 Dunn, 315-267-2231;  
Crane School of Music Dean, C218 Bishop, 315-267-2415;  
Education and Professional Studies Dean, 115 Satterlee, 315-267-2515

Students may undertake tutorial or independent study to investigate areas for which there is not sufficient demand to warrant a regular course offering, to pursue research interests that cannot be met by an existing advanced course or to undertake interdisciplinary investigation under two or more instructors where existing courses do not provide such opportunities.

Tutorials must be carefully planned in advance with a tutor. The planned work should be described on the Proposal for a Tutorial form.

The form, together with the Tutorial Study Registration Form, should be submitted for approval to the chair of the department offering the tutorial. Both forms are then submitted to the dean of the appropriate School. If the proposal is accepted, the dean forwards the registration form to the Registrar.

Undergraduate tutorials carrying liberal arts credit are designated 198, 298, 398 or 498. Those carrying non-liberal arts credit are designated 197, 297, 397 or 497. The assignment of liberal or non-liberal arts credit is the responsibility of the deans.

Tutorials are limited to a maximum of three credit hours. Students may register for only one tutorial in a given department per semester and for only two tutorials per semester in total.

To ensure adequate time for proper review of tutorial proposals, both proposals and registration forms should be submitted to the dean in a finished state before the end of the semester preceding the proposed tutorial study. No tutorial proposal submitted later than three working days prior to the end of the change of schedule period will be considered. It is the responsibility of the student to ascertain that the tutorial has been approved.

## International Education and Programs/Study Abroad

**Contact Person:** Bethany Parker Goeke  
136 Sisson, 315-267-2507, international@potdams.edu  
For site exchange listings, go to: [www.potsdam.edu/academics/international/index.cfm](http://www.potsdam.edu/academics/international/index.cfm)

**Why study abroad?** Students today are increasingly concerned about understanding other cultures and gaining awareness of global issues as they seek to integrate their private lives and their jobs. Students who have studied abroad agree that there is no substitute for international experience in preparing for living and working in the modern world. Employers want to hire people with cross-cultural competency, international experience and second language skills.

In a world where one U.S. job in six is tied to international trade, the U.S. increasingly needs people with global competence and language skills. Students who study abroad, even for a short period, report life-changing personal growth, enhanced focus on academics, and acquisition of important skills.

**Internships abroad:** Students interested in an internship in international education (INTD 490) should contact the Director.

**Who can study abroad – and where?** Study abroad programs are available around the world to SUNY Potsdam students at reasonable cost for a semester, a full academic year or for shorter periods. Students may choose from more than 400 SUNY-wide programs in over 40 countries, in a great variety of disciplines. Some programs are designed for certain majors; most offer a full range of the arts and sciences, proving that study abroad is for students in any discipline. Many programs are conducted wholly or partly in English. Overseas programs offer a range of instructional formats from classroom study to internships or travel study tours, and a variety of living arrangements, from dormitories to apartments to living with a family.

**Our special programs:** The semester programs administered by SUNY Potsdam include inexpensive programs in England, Germany, Mexico, Sweden, Ghana and other African countries, and student teaching. SUNY

Potsdam faculty have organized and led short-term study experiences in winter session, spring break and summer to the Caribbean, Egypt, England, France, Greece, Italy, Mexico, Morocco, Peru, Scandinavia, Tunisia, Ukraine and Vietnam.

### Winterim

Faculty-led travel courses, as well as independent study opportunities, are available during the Winterim Session, scheduled during the first two weeks of January each year. These travel courses offer a variety of changing themes and destinations around the United States and internationally, and allow students who might not otherwise be able to travel abroad to have an international experience and gain cross-cultural competence. After traveling abroad with a faculty member, students are often empowered to try a semester program abroad.

For information regarding these courses, contact the Office of Extended Education, toll-free (800) 458-1142 or dial direct, 315-267-2166, or go to [www.potsdam.edu/academics/ExtEd/index.cfm](http://www.potsdam.edu/academics/ExtEd/index.cfm) The Office is located in Raymond 206.

### Birmingham Conservatoire, England

This is a challenging program of performance in music. The Birmingham Conservatoire is one of Britain's leading music colleges, and, with almost 500 students, the country's largest music department. A branch of the University of Central England in Birmingham, the Conservatoire is a music college of international stature, primarily involved in preparing students for the music profession, with undergraduate and post-graduate programs. It is comprised of four schools: Instrumental Studies; Vocal and Operatic Studies; Keyboard and Composition; and Creative Studies. The Conservatoire is located in the heart of Birmingham within walking distance of Symphony Hall, theaters, museums and art galleries. This is a unique program of its kind, and offers a real challenge as well as the chance to experience living with British students, immersed with other students of music in a university environment.

### Liverpool Hope University, England

This is a direct exchange program featuring a variety of majors including theater, English, history, biology, psychology and education. Music students with broad interests have found this a congenial location. Students may go either for one semester or for the full academic year.

### York St. John, England

For art students and other disciplines including dance, theater, history, cultural studies and women's studies, this is a direct exchange program with York St. John University in a beautiful medieval city.

### Universität Potsdam, Germany

This direct exchange program allows students to explore life in a reunited Germany and the former capital of Prussia with its beautiful baroque, monumental architecture. Exchanges may be for a semester or an academic year. Intensive study in German is possible before direct enrollment in the university.

### Universidad de la Americas, Puebla, Mexico

The direct exchange and overseas academic program offers a rich cultural and multicultural setting, surrounded by beautiful colonial architecture. Students typically take Spanish language and literature courses or enroll directly in anthropology, archeology, art, but may also take a wide range of disciplines from schools of Arts and Humanities, Social Sciences, Business, Sciences, and Engineering or do an internship.

### San Miguel, Mexico: Spanish Immersion

The Academia Hispano American offers small classes of instruction in Spanish, integrating language and Latin American Studies, with special emphasis on Mexico. The unique feature of this program is the opportunity for non-traditional students with children to participate in an intensive Spanish immersion. Students are housed with congenial Mexican families, but apartments are also available for groups or families.

### Tunisia Study Abroad Program

This is a direct exchange and study abroad program offering opportunities for language study in French or Arabic, internships, and study in business and other fields. The Institut Supérieur des Langues de Tunis (l'Université de Carthage) provides valuable opportunities for students of French to learn about the diversity of Francophone cultures in one of the most open and congenial countries of the Arab world. Students may also study business at the Institut Supérieur de Gestion de Tunis (most classes are in French but a few are available in English). Students have done independent research, internships (for example teaching English), as well as student teaching in the American Cooperative School. Direct enrollment requires excellent language skills, but instruction in beginning and intermediate Arabic and French is also available at a number of institutions. Students are housed in apartments or homes.

### Luleå University, Sweden

Luleå University is a regional capital with a rich cultural life, surrounded by vast expanses of forests and mountains. Luleå is also a seaport opening onto an archipelago of beautiful islands. Founded in the 1970s, the university has modern equipment, about 5,200 students and 900 faculty. The music conservatory is located in Piteå, a small town south of Luleå, in a close-knit community environment of musicians and music lovers. English-language courses are available in business, economics, education, engineering, music and politics.

### Service Learning in Africa

SUNY Potsdam collaborates with Operation Crossroads Africa (OCA) to offer a unique opportunity to live and work in an African community and earn college credit. Students participate in group-oriented cultural exchange and community development projects in Africa developed and supervised by OCA. SUNY Potsdam faculty provide academic orientation and research guidance. Projects typically involve physical labor using indigenous resources. Whether in a village, town, or city, students will live in the community, participating in its daily life.

### Service Learning in Jamaica

This program is a ten-day, short-term service learning course on the diverse people, society, culture, and musics of the Caribbean and West Indies. Instructional materials will be presented before and during travel – in text, web-based, and on-site setting. Coursework continues in Jamaica, where students participate in daily training sessions and service work at the local schools and care-centers. Students take part in supervised tutoring, music education, healthcare, sound-recording, and music-therapy program in their area of specialization. This is a ten-day, short-term service learning experience.

### Applications and Services

Applications for all SUNY-wide programs are available in the Office of International Education and Programs or online at [www.studyabroad.com/suny](http://www.studyabroad.com/suny). By remaining registered at SUNY Potsdam, students maintain their eligibility for financial aid and their residency, and at the

same time facilitate the transfer of credits. The Office of International Education and Programs provides information about overseas academic programs, including inexpensive options, and assists in arrangements for transfer credit and financial aid for any student who wishes to study abroad. The Office will keep students informed while they are abroad and help them register for the following semester. Students may make an appointment to discuss individual needs.

Students are given detailed advice on selecting the best program for their needs, and are strongly encouraged to take advantage of these special opportunities.

## National Student Exchange Program

**Contact Person:** Bethany Parker-Goeke  
136 Sisson, 315-267-2507, international@potdam.edu

Check out our Web site: [www.potsdam.edu/academics/international/index.cfm](http://www.potsdam.edu/academics/international/index.cfm)

National Student Exchange (NSE) is an organization of state colleges and universities throughout the United States, its territories and Canada. NSE's primary purpose is to provide domestic exchange opportunities at institutions of higher learning in different geographical locations. NSE is a way for students to experience new curricular options as well as a means to enjoy an alternate social and living environment. For participating institutions, NSE is a way to expand academic offerings by providing a greater scope and variety of courses. Best of all, NSE is available at minimal or no extra cost.

NSE offers students the opportunity to study in another educational setting; to live in a new cultural and geographical environment; to sample diverse course offerings; and to link into study abroad, internship or field experience options not available at the home campus.

**Student Eligibility and Application:** Students interested in participating in NSE are usually sophomores or juniors during their exchange period. All participants must have a cumulative GPA of 2.5 and be able to demonstrate adaptability, flexibility and responsibility. Since students serve as ambassadors from their home school, it is assumed that they will behave like ambassadors. Students apply for the exchange program through their home college or university. There is a non-refundable application fee (covering up to five schools) and a filing deadline in mid-February.

**Student Expenses:** Students are responsible for all expenses related to exchange participation. The NSE experience, however, is seldom more expensive than attending the home institution, excluding travel. Tuition and fees are normally paid to the home campus (Plan B) or through waiver of non-resident tuition and fees (Plan A). Tuition in many states is much lower than New York State's. Room and board is paid to the host campus. Potsdam processes financial aid for students on either plan. Plan B is preferable for students with substantial TAP awards.

**Student Placements:** Exchange commitments are negotiated by campus coordinators at the annual NSE conference (normally in early March). Placement decisions are governed by the popularity of certain schools, and the numbers of students certain schools may send and receive. Since applicants have already been pre-screened by their home coordinator, conference placements are not secured on the basis of any on-site credential evaluations. By mid-April each year, students will have accepted or rejected their placements and begun receiving housing and registration materials from their host schools.

**Special Programs:** Placements in special programs, such as R.A. exchange, study abroad, honors programs, and some majors, such as music, should be negotiated well in advance of other deadlines.

For a complete list of participating institutions and exchange sites, please contact the Office International Education and Programs or visit the Web site: [www.nse.org](http://www.nse.org).

## Associated Colleges of the St. Lawrence Valley

### General Cross-registration Procedures

Cross-registration is a cooperative program designed to expand the educational opportunities available to students and staff of the four colleges of the consortium. It provides any full-time matriculated student or full-time employee in a member college the opportunity to enroll at a course offered by another member college. A cross-registered course is used to improve the depth and variety of the student's approved academic program.

Full-time matriculated students and staff at SUNY Canton, Clarkson University, SUNY Potsdam and St. Lawrence University may take up to two courses per academic year (including summer session[s]) at any of the other institutions on a space-available basis. Through cross-registration, full-time matriculated students and staff have access to courses in both major and elective areas representing specialties unavailable or closed at their home institution. There also exist formal curricular arrangements among institutions.

1. It is the student's responsibility to determine whether or not a particular course satisfies requirements for a major, certificate or license, or graduation.
2. It is the student's responsibility to follow registration deadlines for adding, dropping and withdrawing from courses in effect at their home institution.

**Cost:** tuition is paid to the student's home institution under the policies of that institution. If cross-registration credits result in a course load requiring additional tuition charges at the home school, the student is responsible for those charges just as if the cross-registered credits were home school credits.

There is no additional charge to cross register for courses as long as the individual meets the eligibility requirements. A student does have to pay any special fees, such as lab fees, fees for registration or transcripts, etc.

**Grades and Credit:** students follow all course requirements as stated by the course instructor. Grades and credit earned are treated as residential and identified as cross-registrations on students' permanent record.

**Class Attendance:** students are required to meet any attendance requirements as stated by the instructor and are responsible for arranging transportation. Many students drive, share rides or simply walk to class as appropriate.

For additional information, contact the Director of the Associated Colleges at 315-267-3331 or Registrar's Office at 315-267-2154.

## Art Education with St. Lawrence University

**Contact Person:** Mark Huff, Department of Art  
219 Brainerd, 315-267-2251/2252, huffms@potssdam.edu

Art Studio majors may obtain art teacher certification by completing this program offered through the Associated Colleges Consortium. See page 96 for information.

## Engineering Double Degree with Clarkson University (3-2)

**Contact Person:** M. Azad Islam, Department of Physics  
214 Timerman, 315-267-2284, islamma@potssdam.edu

Clarkson University Coordinator: Office of Transfer Admissions  
315-268-2125

Degrees: Bachelor of Arts from SUNY Potsdam  
Bachelor of Science from Clarkson University

The 3-2 program combines three years of study in the arts and sciences at SUNY Potsdam and two years of study in engineering at Clarkson University. The five-year program leads to two simultaneous degrees, a Bachelor of Arts degree from SUNY Potsdam and a Bachelor of Science degree from Clarkson University in the engineering field chosen by the student.

**Note:** It is the responsibility of the students to apply to Clarkson University at the office of Transfer Admission, be accepted, and be in residence at Clarkson University for last two years to be eligible for the Clarkson University degree. Students need to transfer their coursework from Clarkson University back to SUNY Potsdam in order to complete their requirements for the SUNY Potsdam degree.

The 3-2 Program is flexible so that a student who enters into the program may change his or her mind later and stay on at SUNY Potsdam to complete a B.A. degree in any field. Students who have completed two years of study at another college and are contemplating a transfer to SUNY Potsdam and the 3-2 program may require an extra semester or two to complete all requirements of the program.

A 3-2 program has also been established with the Thomas J. Watson School of Engineering at SUNY Binghamton. Coursework preparation for transfer to the Watson School is essentially the same as that for the program with Clarkson University. Students interested in this option should consult with the Coordinator of the 3-2 Program at SUNY Potsdam at least by the middle of their second year.

### Program of Study at SUNY Potsdam

During the first three years at SUNY Potsdam, students should complete the following requirements for the B.A. degree at SUNY Potsdam:

At least 90 credit hours in liberal arts courses which include:

All requirements for a major in one of the following disciplines: chemistry, computer and information sciences, geology, mathematics or physics.

The general education requirements as specified in the General Education manual, with the exemption of one of the following Modes of Inquiry (under advisement):

Aesthetic Expression – Critical and Discriminative [AC]

Aesthetic Expression – Experiential [AE]

Scientific Inquiry – Biological Sciences [SB]

The following mathematics and science courses serve as preparation for the engineering curriculum:

### Physics

|          |                        |   |
|----------|------------------------|---|
| PHYS 103 | University Physics I   | 4 |
| PHYS 204 | University Physics II  | 4 |
| PHYS 305 | University Physics III | 4 |
| PHYS 306 | Modern Physics*        | 4 |

(\*required for Electrical Engineering and highly recommended for others)

### Mathematics

|          |                        |   |
|----------|------------------------|---|
| MATH 151 | Calculus I             | 4 |
| MATH 152 | Calculus II            | 4 |
| MATH 253 | Multivariate Calculus  | 4 |
| MATH 390 | Differential Equations | 3 |

### Chemistry

|          |                      |   |
|----------|----------------------|---|
| CHEM 105 | General Chemistry I  | 4 |
| CHEM 106 | General Chemistry II | 4 |

### Computer and Information Science

|         |                    |   |
|---------|--------------------|---|
| CIS 201 | Computer Science I | 4 |
|---------|--------------------|---|

### Liberal Arts Requirements at Clarkson University

Students completing the current General Education requirements for the B.A. degree at SUNY Potsdam will have completed 15 credits of the liberal arts requirements for the B.S. degree at Clarkson University. However, each engineering department also specifies a three credit Macro- or Micro- economics course as part of Clarkson University's 18 credit liberal arts requirement.

### Cross Registration

To satisfy certain prerequisites for upper level engineering courses, students in the 3-2 program should cross register for 3 to 4 courses during their second and third years from the following courses offered at Clarkson University. Students can cross register for up to two courses per academic year (including summer session).

For students who plan to enter the **Electrical Engineering** program:

|        |                                   |   |
|--------|-----------------------------------|---|
| ES 250 | Electrical Science                | 3 |
| ES 260 | Materials Science                 | 3 |
| EE 211 | Electrical Engineering Laboratory | 3 |
| EE 221 | Linear Circuits                   | 3 |

For students who plan to enter the **Computer Engineering** program:

|        |                                      |   |
|--------|--------------------------------------|---|
| ES 250 | Electrical Science                   | 3 |
| EE 211 | Electrical Engineering Laboratory    | 3 |
| EE 264 | Introduction to Digital Design       | 3 |
| EE 361 | Fundamentals of Software Engineering | 3 |

For students who plan to enter the interdisciplinary **Software Engineering** program:

|        |                                      |   |
|--------|--------------------------------------|---|
| ES 250 | Electrical Science                   | 3 |
| EE 221 | Linear Circuits or ES Elective       | 3 |
| EE 264 | Introduction to Digital Design       | 3 |
| EE 361 | Fundamentals of Software Engineering | 3 |

For students who plan to enter the **Mechanical and Aeronautical Engineering** program:

|        |                        |   |
|--------|------------------------|---|
| ES 220 | Statics                | 3 |
| ES 250 | Electrical Science     | 3 |
| ES 222 | Strength and Materials | 3 |
| ES 223 | Rigid Body Dynamics    | 3 |

For students who plan to enter the **Chemical Engineering** program:

|        |                                     |   |
|--------|-------------------------------------|---|
| CH 250 | Chemical Process Calculations       | 3 |
| CH 271 | Chemical Engineering Thermodynamics | 3 |
| CH 301 | Fluid Mechanics*                    | 3 |
| CH 302 | Heat Transfer*                      | 3 |

(\*optional, but recommended)

For students who plan to enter the **Civil and Environmental Engineering** program:

|        |                                    |   |
|--------|------------------------------------|---|
| ES 220 | Statics                            | 3 |
| ES 222 | Strength of Materials              | 3 |
| CE 212 | Introduction to Engineering Design | 3 |
| ES 330 | Fluid Mechanics                    | 3 |

**Study Program at Clarkson University**

Clarkson University offers a wide variety of courses in the four major engineering areas: Chemical Engineering, Civil & Environmental Engineering, Electrical & Computer Engineering, and Mechanical & Aeronautical Engineering. At least by the beginning of the third year at SUNY Potsdam, students should contact their selected engineering department at Clarkson University to get advice for planning their final two years of the program.

Selection of courses for the first year at SUNY Potsdam: Students in 3-2 program may take the following courses during the first year in addition to the FW and FS General Education courses:  
 All students: PHYS 103, 204; MATH 151, 152  
 Chemistry and Geology majors must take: CHEM 105, 106  
 Mathematics and Physics majors may choose between: CIS 201 or CHEM 105 and 106.

**MBA Programs with Clarkson University (4+1)**

**Contact Person:** Donna Mosier, Depart. of Business Administration  
 212 Dunn, 315-267-2238, mosierdj@potsdam.edu

**Clarkson Contact Person:** Joshua LaFave, Associate Director,  
 Graduate Business Programs  
 315-268-6613, jlafave@clarkson.edu

Clarkson University and SUNY Potsdam have established an agreement that allows students to plan their undergraduate programs to include courses which will serve as a foundation for graduate study in business. Students must complete a regular undergraduate major in which foundation courses may satisfy some graduate requirements. These foundation courses include materials required in the first year of study in MBA programs; therefore, students who carefully plan their undergraduate programs are able to earn the undergraduate degree and an MBA degree in five years.

Students currently enrolled at SUNY Potsdam should try to select appropriate electives in order to complete most of the foundation courses as a part of their undergraduate programs. The required courses for the Bachelor of Science in Business Administration satisfy all of the foundation courses. If necessary, prior to beginning the MBA programs, any remaining foundation courses may be taken during the Summer Business Concepts Program at Clarkson University.

Foundation requirements include satisfactory completion of a total of 27 credit hours in the following subjects: economics, finance, production, management, information systems, business law, accounting, marketing, and statistics. All foundation courses must be successfully completed with a 2.0 or higher.

| SUNY Potsdam Course Equivalents  | Clarkson University Course Requirements        |
|--|--|
| ACCT 201/202 Principles of Accounting I and II or ACCT 385 Managerial Accounting                             | Accounting: Financial and Managerial           |
| ECON 105 Principles of Microeconomics and ECON 110 Principles of Macroeconomics                              | Economics: Micro and Macro                     |
| FINA 301 Finance   | Corporate Finance                              |
| MGMT 410 Operations Mgt.   | Operation/Production Mgt.                      |
| MGMT 340 Information Systems   | Information Systems                            |
| STAT 100 Statistics or equivalent  | Probability and Statistics                     |
| MGMT 301 Principles of Mgt. or MGMT 310 Organizational Behavior and Ethics or SOCI 320 Complex Organizations | Principles of Mgt. and Organizational Behavior |
| MKTG 301 Principles of Mktg.   | Principles of Mktg.                            |

In addition, it is assumed that students will have a working knowledge of calculus.

**Program Structure:** Building on a knowledge base in the foundation subjects, the MBA program consists of 35 credit hours of study (10 modules, four electives and a three credit experiential requirement) at the graduate level. Twenty credit hours must be completed from among the core modules in the following functional areas of study:

|                                   |   |
|-----------------------------------|---|
| Financial Management              | Management Accounting                       |
| Marketing Management              | Information Systems                         |
| Corporate Ethical Decision Making | Applied Economics                           |
| Supply Chain Management           | Strategic Planning                          |
| Organizational Behavior           | Decision Analysis and Supply Chain Modeling |

All students must also complete one experiential course in consulting, or, a international study abroad. The remaining twelve hours (four courses) consist of electives from among the many graduate offerings of the School of Business. Thus, the candidate has the opportunity to pursue advanced work in the above functional areas as well as specialized work in a variety of other areas. Admission Procedures: Preliminary inquiries concerning programs, admission and financial aid may be made at any time and should be addressed to the Graduate Business Programs Office, School of Business at Clarkson University. As soon as possible after completion of the third year of undergraduate study, applicants should submit an official "Clarkson University Application for Admission and Assistance for Graduate Study" form. All application forms, transcript, Graduate Management Admissions Test (GMAT) or General Record Exam (GRE) scores, current resume, and three letters of recommendation should be sent to the Graduate Business Programs Office at Clarkson University.

All applicants must take the GMAT/GRE and ask that the score be reported to Clarkson University. It is very important that the GMAT/GRE be taken at the earliest possible date after having decided to submit an application. A firm decision concerning admission and financial aid cannot be made without this score.

The School of Business attempts to notify an applicant as early as possible after receiving the application materials and GMAT score. A grade point average of 3.0 and a 70th percentile GMAT score are

sufficient to secure early admission to the program. In other cases, a decision must be postponed until grades from additional courses are available. Applicants not accepted immediately would be advised on an individual basis as to what must be done during their last year of study to secure admission. Grade trends, work experience and letters of reference all have a bearing in the decision process.

Most students begin the MBA program in the fall semester, and course offerings are scheduled accordingly. Students needing substantial foundation courses, however, may find spring enrollment a desirable alternative, since Clarkson University offers all courses necessary to satisfy the foundation requirement.

## Pre-Professional Programs

### Health Professions

**Contact Person:** David Gingrich, Department of Chemistry  
308 Stowell, 315-267-2273, [gingridj@potsdam.edu](mailto:gingridj@potsdam.edu)

Students seeking careers in health professions (medicine, dentistry, optometry, pharmacy, physical therapy, veterinary etc.) are not required to select any particular major. Few schools have an official "Pre-Med" major, for example. There are, however, curricula that need to be followed in order to meet the admission requirements of professional schools. Since these curricula contain primarily science courses, most students select a Biology, Chemistry, or Biochemistry major since many of these required courses are encompassed within these majors.

The following courses offered at SUNY Potsdam are required by most professional schools:

|          |                        |
|----------|------------------------|
| BIOL 151 | Biological Sciences I  |
| BIOL 152 | Biological Sciences II |
| CHEM 105 | General Chemistry 1    |
| CHEM 106 | General Chemistry 2    |
| CHEM 341 | Organic Chemistry 1    |
| CHEM 342 | Organic Chemistry 2    |
| PHYS 101 | College Physics I      |
| PHYS 202 | College Physics II     |

It is recommended that all premedical students complete two years of chemistry, a year each of biology and physics, a year of mathematics and at least six credit hours of English, in their first two years of study to be fully prepared to take the Medical College Admissions Test (MCAT) in their junior year of study. Students are also advised to include additional courses in the social sciences and humanities.

Students completing MCAT exams have reported that the following courses were also helpful:

|          |                  |
|----------|------------------|
| CHEM 425 | Biochemistry 1   |
| CHEM 426 | Biochemistry 2   |
| BIOL 311 | Genetics         |
| BIOL 407 | Cell Physiology  |
|          | or               |
| BIOL 410 | Human Physiology |

Physical, Respiratory, and Occupational Therapy students are required to take a full year of Human Anatomy and Physiology which can typically be completed by taking: BIOL 210 Human Anatomy and Physiology and BIOL 410 Human Physiology. Check with your professional schools admission office for confirmation.

The Health Professions Advisory Committee is available to provide assistance on academic and curricular matters and to facilitate the preparation of application materials. The committee also prepares a letter of recommendation for each applicant.

Students planning careers in the Health Professions should contact the chair of the Health Professions Advisory Committee, Dr. David Gingrich, as soon as possible (during their first semester at the College) to make contact with the Committee.

A partial list of Health Professions:

|                               |                     |
|-------------------------------|---------------------|
| Medicine                      | Physician Assistant |
| Cytotechnology                | Respiratory Therapy |
| Cardiovascular Perfusion      | Medical Imaging     |
| Medical Laboratory Technology | Medical Technology  |
| Radiation Therapy             | Nursing             |
| Occupational Therapy          | Pharmacy            |
| Physical Therapy              | Podiatry            |
| Radiologic Technology         | Veterinary Medicine |

### SUNY College of Optometry (3-4)

**Contact Person:** David Gingrich, Department of Chemistry  
308 Stowell, 315-267-2273, [gingridj@potsdam.edu](mailto:gingridj@potsdam.edu)

SUNY Potsdam and SUNY College of Optometry have a formal affiliation in optometric education in which up to six high school students per year can be jointly admitted by SUNY Potsdam and SUNY College of Optometry to a seven-year pre-optometry/optometry program of study. Students shall be selected based on standards set by both schools and will matriculate at SUNY Potsdam for three years. Upon maintaining an appropriate agreed-upon grade point average in required pre-optometric coursework, attaining agreed-upon satisfactory scores on the Optometry College Admissions Test and passing reasonable personal interview standards, these students will be admitted to the State College of Optometry at the completion of their third year of enrollment at SUNY Potsdam. Students will pursue a curriculum approved by both SUNY Potsdam and SUNY College of Optometry. The Bachelor of Arts degree will be awarded by SUNY Potsdam to those students who have completed all of the degree requirements, usually after the first year of professional study at the State College of Optometry.

### Pre-Law Studies

**Contact Person:** Richard Del Guidice, Department of Politics  
311-2 Satterlee, 315-267-2551/2768, [delguirj@potsdam.edu](mailto:delguirj@potsdam.edu)

Students interested in pursuing careers in law should meet with Professor Richard Del Guidice or Professor Timothy Gordinier of the Department of Politics. They are prepared to assist students in evaluating their interests and aptitude for law, and in preparing effective applications to law school. Advisers are also available to provide counseling on academic and curricular problems relating to pre-legal studies.

Law schools do not generally require a prescribed curriculum for admission. Students who are interested in a career in the legal profession will be prepared for law school if their undergraduate record in the arts and sciences is strong.

Certain minimum requirements for admission are, however, required by all law schools. It is recommended, therefore, that students interested in law consult with Professor Del Guidice or Professor Gordinier as early as possible, preferably during their first year, for advice concerning the selection of courses. The Pre-law minor offered through the Department of Politics will be of particular interest. Course selection

will often depend upon a number of variables and should be undertaken only in consultation with both the major and career interest advisers.

For admission to law school, each student must also demonstrate an aptitude for the law on the Law School Admissions Test (LSAT), submit strong application essays and letters of recommendation, and have a sufficiently high GPA. Students are urged to consult with Professor Del Guidice or Professor Gordinier about this test and the application materials before the spring of their junior year.

### SUNY Institute of Technology at Utica/Rome (3-2)

**Contact Person:** M. Azad Islam, Department of Physics  
214 Timerman, 315-267-2284, islamma@potsdam.edu

SUNY Potsdam and SUNY Institute of Technology at Utica/Rome have a formal 3-2 program affiliation in the area of engineering technology.

**3-2 Engineering Program:** The 3-2 Engineering Technology Program combines three years of education in science and mathematics at SUNY Potsdam with two years of engineering technology education at SUNY College of Technology at Utica/Rome, leading after five years to the Bachelor of Arts degree from SUNY Potsdam and the Bachelor of Technology or Bachelor of Science degree from the SUNY College of Technology at Utica/Rome. The Bachelor of Technology degree may be granted in electrical, mechanical or industrial technology. The Bachelor of Science degree is offered in telecommunications. For further information, contact the SUNY Potsdam coordinator in the Department of Physics at 315-267-2284.

## Professional Programs

### Masters of Social Work Degree with Kent School of Social Work, University of Louisville (4+2 1/2)

**Contact Person:** Jacqueline Goodman, Women's and Gender Studies & Sociology Department  
311 Satterlee, 315-267-2116, goodmajk@potsdam.edu

#### Degrees:

Bachelor of Arts from SUNY Potsdam

Masters of Social Work from University of Louisville, Kent School of Social Work

The 4 + 2 1/2 Program combines a SUNY Potsdam major in Women's and Gender Studies with an MSW degree with Kent School of Social Work. This combined degree program provides the tools of social change for the historic problems of gender inequality and injustice. Social work is a profession for those with a desire to improve people's lives.

**Requirements for this program:** While completing the Women's and Gender Studies major at SUNY Potsdam, students will substitute three 500 level WGS courses in the Social-Political and Science-Health Perspectives for lower level courses (faculty approval required). Students must complete Human Biology, (fulfills the SB Gen Ed requirement), and Statistics, (fulfills the FM Gen Ed requirement), and maintain an overall GPA of 3.0.

Benefits of this program are the following:

- Reduced cost (SUNY Potsdam WGS majors pay in-state tuition costs see <http://louisville.edu/vpf/bursar/student/tuition/tuitioncurrent.html>)
- Shortened time to degree: SUNY Potsdam WGS majors complete the MSW degree in 2½ instead of 3 years

- Choice of location for practicum: SUNY Potsdam WGS majors can choose the geographic location and focus for their practicum
- Graduates are qualified for: ACSW New York State licensure exam

### MBA with Alfred University (4+1)

**Contact Person:** Donna Mosier, Depart. of Business Administration  
212 Dunn, 315-267-2238, mosierdj@potsdam.edu

The College of Business, Alfred University and SUNY Potsdam have established an agreement which allows qualified students who have earned a Bachelor of Science degree to accelerate their progress through the Alfred University College of Business MBA program. Waiver of selected MBA common body of knowledge courses is granted based upon completion of specific undergraduate courses. Students may be able to complete the MBA program in as short as one calendar year.

Applicants should demonstrate an overall strong potential for success in graduate business study based on their undergraduate academic performance and GMAT scores.

Grades of "B" or better in the designated undergraduate courses are acceptable for waiver of MBA foundation coursework.

#### SUNY Potsdam Courses

ACCT 201/202 Principles of Accounting I and II

ACCT 385 Managerial Accounting  
ECON 105 Principles of Microeconomics and Markets

ECON 110 Principles of Macroeconomics

ECON 300 Statistical Methods in Economics and Business

FINA 301 Finance

CMPT 301 Introduction to Business Applications

MGMT 410 Operations Management

MGMT 310 Organizational Behavior and Ethics

MKTG 301 Principles of Marketing

#### Alfred University Courses

ACC 215 Financial Accounting

ACC 216 Managerial Accounting  
ECO 201 Introduction to Economics

ECO 202 Principles of

BUS 113 Business Statistics

FIN 348 Managerial Finance

MIS 101 Business Perspectives  
Computer Applications

BUS 260 Operations Research

MGT 328 Management and Organizational Behavior

MKT 321 Principles of Marketing

Students must submit an application for admission into the MBA program. Minimum GMAT score and undergraduate GPA as specified by AACSB International are required.

The faculty at SUNY Potsdam and the faculty at the Alfred University College of Business will be advising SUNY Potsdam students in this agreement.

### MBA with SUNY Oswego (4+1)

**Contact Person:** Donna Mosier, Depart. of Business Administration  
212 Dunn, 315-267-2238, mosierdj@potsdam.edu

SUNY Potsdam and SUNY Oswego recently signed a new 4+1 Accounting MBA agreement. Students completing their BS in Business Administration at SUNY Potsdam may be admitted to the School of Business at SUNY Oswego's MBA program after having already satisfied the graduate business foundation courses.



ACCT 385 Managerial Accounting and  
FINA 301 Finance

GMI 212 Managerial Accounting and  
Finance

MGMT 330 Legal Environment of  
Business and

GMI 270 Legal Principles of Business

EMRE 301 Employment Law or  
EMRE 322 Labor Law

MGMT 301 Principles of  
Management

GMI 251 Managing People & Teams  
in Organizations

and one of the following:

EMRE 330 Human Resource Management

EMRE 432 Organizational Development

MGMT 310 Organizational Behavior  
and Ethics

MGMT 420 Leadership in Organizations

MKTG 301 Principles of Marketing  
and MKTG 320 Principles of

GMI 225 Marketing Management &  
Strategy

Advertising and Promotion or

MKTG 330 Marketing Research

## MBA Programs with Clarkson University (4+1)

Please see page 71.

## Reserve Officers Training Corps (ROTC)

ROTC at SUNY Potsdam is an elective course of study that provides college-trained officers to the United States Army and Air Force. SUNY Potsdam students cross-enroll into one of the Clarkson University ROTC programs. Upon graduation and successful completion of either the Army program in Military Science or the Air Force program in Aerospace Studies, students receive appointments as commissioned officers in the grade of second lieutenant. Each program provides a Basic Course in the Freshman and Sophomore years and an Advanced Course in the Junior and Senior years. Army sophomores with no ROTC experience may receive credit by attending a special, expenses paid, six-week long Basic Camp in the summer prior to their junior year. There are other options available for veterans and graduate students. Students may enroll in the ROTC Basic Course or attend the Basic Camp without incurring any military service obligation. Uniforms and books required for ROTC courses are furnished free of charge to students in the Basic and Advanced Courses. Advanced course students are currently paid \$450-500 per month (tax-free) stipend to offset living costs. Qualified students are eligible to compete for Army and Air Force ROTC Scholarships. For more information, call 315-268-7989 for Air Force or 315-265-2180 for Army.

## Aerospace Studies (Air Force ROTC)

Air Force Reserve Officer Training Corps (AFROTC) combines college study with military leadership, discipline, and training to produce officers and leaders for the United States Air Force. Upon graduation with at least a bachelor's degree, students are commissioned as second lieutenants in the Active Duty Air Force. A commission is an appointment to a military office by the President of the United States.

### Curriculum

AFROTC is normally a four-year program divided into two portions, the General Military Course (GMC) for freshman and sophomores, and the Professional Officer Course (POC) for juniors and seniors. All students also complete Leadership Laboratory (LLAB) each semester. Based on the needs of the Air Force, students are often allowed to enroll

as late as the fall of their junior year. The GMC curriculum is covered during an extended Field Training in the summer after their junior year.

### GMC

The GMC involves a one credit hour course and a two-hour Leadership Laboratory each semester. The freshman curriculum introduces the Air Force mission and organization, covers the basics of military customs and courtesies, military correspondence styles, and drill and ceremonies. The sophomore curriculum focuses on the history of air power, starting with the Wright Brothers' first flight at Kitty Hawk, and traces the evolution of aircraft and Air Force missions throughout WWI, WWII, Korea, Vietnam, the Gulf War, and recent operations around the world such as Afghanistan and Iraq.

### Field Training

After successful completion of the GMC, students are normally scheduled to attend Field Training during the summer between the sophomore and junior year. Field Training is an intense, four-week, hands-on leadership challenge. Cadets will be evaluated on their mastery of military customs and courtesies, drill and ceremonies, and on their leadership ability. Cadets are exposed to a variety of challenges to force them to work as a team, learn to critically evaluate situations, and perform under stress. While no cadet will tell you it is fun, Field Training is often a life-changing experience that builds self-confidence and fine-tunes leadership skills.

### POC

After successfully completing Field Training, cadets are sworn in to the POC and are enlisted in the inactive reserves while they complete their final two years of college. The junior curriculum focuses on an in-depth study of leadership and management concepts. The senior curriculum continues to emphasize leadership, but introduces national security concepts and issues, military law, the law of armed conflict, and preparation for entrance into the Active Duty Air Force. POC cadets are placed in leadership positions and are charged with running the cadet wing that is modeled after the organizational structure of the active duty Air Force.

### Leadership Laboratory (LLAB)

LLAB is a hands-on leadership training program. The POC plan and execute 13 labs in which the GMC are instructed in skills they will need to successfully complete Field Training and for a thriving military career. POC members are responsible for planning and executing LLAB, as well as other extra-curricular activities like formal dinners and awards ceremonies. Cadets are challenged in the classroom, and their jobs in the cadet wing require them to put the theories into practice.

### Scholarships

Merit-based tuition scholarships are available to AFROTC cadets; they vary from \$3,000 to full tuition. Below is a list of current scholarships.

- TYPE I – Full tuition and fees scholarship
- TYPE II – \$18,000 towards tuition and fees
- TYPE III – \$9,000 towards tuition and fees
- TYPE VI – \$3,000 towards tuition and fees
- TYPE VIII – A competitive-based academic upgrade of a TYPE II, pays up to 80% of tuition

**Other Benefits:** All scholarships include the following:

- Monthly Stipend during the academic year —  
FR = \$300, SOPH = \$350, JUN = \$450, SEN = \$500
- \$450 per semester for books

### Other Activities

Air Force ROTC presents many unique opportunities for its cadets. On weekends in the fall and spring, cadets can receive up to eight hours of no-cost flight instruction through the Civil Air Patrol. In addition, every winter break the cadet corps has the opportunity to visit an Air Force Base and see firsthand how the Air Force works. These trips often include incentive flights on a variety of military aircraft. Cadets can also compete for summertime opportunities to earn parachute wings (free-fall and airborne) and travel to overseas bases at no cost. For more details contact the Aerospace Studies Department at 315-268-7989.

### Aerospace Studies Curriculum\*

### Credit Hours

*First Year: First semester*

|        |                       |   |
|--------|-----------------------|---|
| AS 101 | The Air Force Today   | 1 |
| AS 103 | Leadership Laboratory |   |

*First Year: Second semester*

|        |                        |   |
|--------|------------------------|---|
| AS 102 | The Air Force Today II | 1 |
| AS 104 | Leadership Laboratory  |   |

*Sophomore Year: First semester*

|        |                          |   |
|--------|--------------------------|---|
| AS 201 | Evolution of Air Power I | 1 |
| AS 203 | Leadership Laboratory    |   |

*Sophomore Year: Second semester*

|        |                           |   |
|--------|---------------------------|---|
| AS 202 | Evolution of Air Power II | 1 |
| AS 204 | Leadership Laboratory     |   |

*Junior Year: First semester*

|        |                                     |   |
|--------|-------------------------------------|---|
| AS 301 | Air Force Leadership & Management I | 3 |
| AS 303 | Leadership Laboratory               |   |

*Junior Year: Second semester*

|        |                                      |   |
|--------|--------------------------------------|---|
| AS 302 | Air Force Leadership & Management II | 3 |
| AS 304 | Leadership Laboratory                |   |

*Senior Year: First semester*

|        |   |   |
|--------|---|---|
| AS 401 | National Security Forces in Contemporary American Society I | 3 |
| AS 403 | Leadership Laboratory                                       |   |

*Senior Year: Second semester*

|        |   |   |
|--------|---|---|
| AS 402 | National Security Forces in Contemporary American Society I | 3 |
| AS 404 | Leadership Laboratory                                       |   |

\*Course may be applicable as free electives in some majors where noted. Consult individual departments for details.

### Military Science (Army ROTC)

The Clarkson University Army ROTC Golden Knight Battalion was founded in 1936 in order to establish a program in which students could obtain commissions as Second Lieutenants in the United States Army upon graduation. Since then, it has commissioned over 1,100 leaders into the Active, Reserve and National Guard components. Today, the Golden Knight Battalion continues to commission high quality officers from Clarkson University, St. Lawrence University, SUNY Potsdam and SUNY Canton.

The goal of the department is to develop individual leadership skills and managerial ability while preparing young adults to become leaders

in the United States Army, where they can apply their education in a variety of fields. Army ROTC is a widely accepted part of campus life with cadets active in all campus activities including student government, varsity athletics and Greek life. The Battalion is approximately 100 cadets strong, and its focus remains steady on the development and training of America's future leaders.

### Program

The ROTC program complements the traditional college curriculum by placing an emphasis on developing the student's leadership, management and interpersonal skills through dynamic and challenging instruction and training. Cadets also have the opportunity to attend Airborne, Air Assault, Mountain Warfare, and Northern Warfare schools during the summers after their freshman, sophomore and junior years. Upon graduation, cadets are commissioned as Second Lieutenants into one of over 20 career fields of the Active Army, Army Reserve or National Guard.

### Scholarships

Army ROTC offers a wide range of scholarships for students interested in the program. Four-, three- and two-year scholarships are awarded to students on a merit-basis. Students may apply for four-year scholarships while still in high school as well as two- and three-year scholarships once on campus. These scholarships include:

1. Full payment of SUNY tuition and mandatory fees or room and board at SUNY Potsdam;
2. \$600 per semester for textbooks and classroom supplies;
3. \$350-\$500 per month tax-free spending money for up to 10 months per year.

### Military Science Curriculum

### Credit Hours

*Freshman Year: First semester*

|         |                                     |   |
|---------|-------------------------------------|---|
| MS 111  | Leadership and Personal Development | 1 |
| MS 111L | Leadership Laboratory               |   |

*Freshman Year: Second semester*

|         |                                     |   |
|---------|-------------------------------------|---|
| MS 112  | Introduction to Tactical Leadership | 1 |
| MS 112L | Leadership Laboratory               |   |

*Sophomore Year: First semester*

|         |                           |   |
|---------|---------------------------|---|
| MS 221  | Foundations of Leadership | 2 |
| MS 221L | Leadership Laboratory     |   |

*Sophomore Year: Second semester*

|         |                                    |   |
|---------|------------------------------------|---|
| MS 222  | Foundations of Tactical Leadership | 2 |
| MS 222L | Leadership Laboratory              |   |

*Junior Year: First semester*

|         |                          |   |
|---------|--------------------------|---|
| MS 331  | Adaptive Team Leadership | 3 |
| MS 331L | Leadership Laboratory    | 3 |

*Junior Year: Second semester*

|         |                         |   |
|---------|-------------------------|---|
| MS 332  | Applied Team Leadership | 3 |
| MS 332L | Leadership Laboratory   | 3 |

*Senior Year: First semester*

|         |                       |   |
|---------|-----------------------|---|
| MS 441  | Adaptive Leadership   | 3 |
| MS 441L | Leadership Laboratory | 3 |

*Senior Year: Second semester*

|         |                               |   |
|---------|-------------------------------|---|
| MS 442  | Leadership in a Complex World | 3 |
| MS 442L | Leadership Laboratory         | 3 |

For more information you can visit [www.armyrotc.com](http://www.armyrotc.com). To cross enroll in an Army ROTC class with no obligation, contact the Golden Knight Battalion at 315-265-2180 or e-mail [armyrotc@clarkson.edu](mailto:armyrotc@clarkson.edu).

## INTERDISCIPLINARY STUDIES

### Learning Communities

**Contact Person:** Oscar Sarmiento, Department of Modern Languages  
228 Morey, 315-267-2034, sarmieod@potsgdam.edu

Learning Communities are cohorts of 10 to 50 students enrolled together in an interdisciplinary set of two to five courses. Instructors often collaborate to integrate their courses around a theme or problem. Examples of recent Learning Communities are Environmental Studies, Power and Money and Bridging Cultures. Nationwide research indicates that Learning Communities intensify cooperation among students and faculty, forming a community of scholars. Students and faculty are motivated by the interaction and see more clearly the ways in which each discipline contributes to an overall understanding of the issue under study.

Each fall first-time students entering the College, enroll in one of two dozen First-Year Interest Groups (FIGs), such as Archaeology, Natural Science and Pre-Med, Childhood Education, or Business and Theatre Studies. Some FIGs include the First-Year Success Seminar (FYSS), a course designed to accelerate students' adaptation to college life and study, and some include a residential component. After the fall semester, Learning Communities are available as an option at an upper division level. Some, such as CSI Potsdam and Business, serve specific majors, while others, such as Globe Trotters: The International Experience, enroll students of many majors by satisfying General Education requirements.

### Adirondack Environmental Studies Semester for First-year Students

**Contact Person:** Stacy Rosenberg, Department of Politics  
104 Morey, 315-267-2963, rosenbsr@potsgdam.edu

The "Adirondacks" offers a complete semester of five courses taught by a team of professors from various disciplines that share a common environmental studies emphasis and use the Adirondack Park region as case study material. The program investigates the artistic and philosophical questions, the scientific problems, and the social controversies, which the Adirondack Park creates for its residents and visitors.

The "Adirondacks" enrolls 20 first-year (freshman) students who work closely all semester with professors and advisers, advanced students, and each other in frequent team projects, labs, field trips and studios. It constitutes a complete semester schedule of approximately 17 credit hours. Because the program stresses coherence and teamwork, it serves students who love the arts but are less confident about studying the sciences, as well as students who love science but are less confident about studying the arts. It is appropriate for undeclared students as well as those interested in SUNY Potsdam's Environmental Studies major, Environmental Science minor and Environmental Studies minor.

Courses in the package change slightly from year to year, but always include the sciences, social sciences, arts and humanities. The package generally features courses in composition, outdoor recreation, anthropology, environmental ecology and geology. Being a complete semester schedule, the program satisfies more than a third of the General Education requirements in an unusually coherent fashion.

## Environmental Studies Major

45-50 credit hours required.

*Program is currently being revised. Please see contact person for more information.*

**Contact Person:** John Omohundro, Department of Anthropology  
249 MacVicar, 315-267-2050, omohunj@potsgdam.edu

The major includes course offerings from twelve departments and programs. The curriculum emphasizes the social sciences and the humanities to prepare students to shape viable environmental policy and practice, as citizens as well as environmental educators, interpreters, planners, analysts, advocates, managers, writers, and other careers. The major also prepares for graduate school in related environmental fields.

The curriculum's distinctive feature is that it employs the nearby Adirondack Park as case study and field site, grounding theory in the experience of a protected area of international importance. First-year students are advised to begin with the Adirondacks Environmental Studies Semester. In partnership with the NYS Department of Environmental Conservation, the Capstone centers on a service-learning field residency in the Forest Preserve, usually serving as a summit guide doing public interpretation and stewardship at a restored Adirondack fire tower during the summer after the junior year. In a three-credit fall seminar, seniors develop and present a project, usually interpretive, based upon their field work.

A grade of 2.0 or better must be achieved in all courses.

Each student is required also to complete a minor in one of the disciplines that offer courses for the Environmental Studies major, with no more than two courses counting toward the major. All disciplines participate except Computer Science, Modern Language, Theater/Drama, Education, and Music.

*All courses are 3 credits unless noted. Credits are divided as follows:*

|                                       | Credits                                  |
|---------------------------------------|--|
| <b>Humanities and Social Sciences</b> | <b>15-17</b>                             |
| ENVR 110                              | Introduction to Environmental Studies    |
| ENVR 310                              | Adirondack Environmental Studies         |
| Plus two of the following             |  |
| ANTH 325                              | Environmental Anthropology               |
| LITR 351                              | Nature and Literature                    |
| PHIL 330                              | Environmental Ethics                     |
| POLS 355                              | Politics and the Environment (4 credits) |
| Plus one of the following             |  |
| ANTH 270                              | Museum Studies                           |
| ARTH 103                              | Landscape Art                            |
| ECON 320                              | Environmental Economics                  |
| HIST 453                              | Nature and American History              |
| HLTH 300                              | Critical Issues in Human Ecology         |
| PHYS 325                              | Energy and the Environment               |
| POLS 395                              | Water Policy (4 credits)                 |
| POLS 344                              | Global Climate Change                    |
| SOCI 340                              | Environment and Society                  |
| ENVR 395                              | Environmental Issues                     |
| COMM 375                              | Environmental Communications             |
| And other courses to be listed.       |  |