

Advising and Academic Support


# MAJOR INSIGHTS

2011 - 2012



SYRACUSE UNIVERSITY


**The College of Arts and Sciences**



**A**dvising and Academic Support offers a variety of programs and resources designed to meet the unique needs of liberal arts students. Our staff is very knowledgeable about The College's 49 majors, and can assist students in narrowing down programs of study, identifying related career paths, and evaluating graduate programs. Through self-assessment strategies, students will gain a greater understanding of their personality, skills, interests, and values—all of which may suggest choice of major(s) and minor(s), co- and extra-curricular activities, including internships, community service, summer employment, student organizations and other leadership options. The staff also advises students on all phases of the job search, including targeting employment sectors, researching employers, preparing resumes and cover letters, and honing interviewing techniques. All A&S undergraduate students will be subscribed to CASNET, the bi-weekly electronic newsletter which provides valuable information about the services and resources available in our office, upcoming academic deadlines, scholarship and leadership opportunities, and career and cultural events.

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August 2011

Dear Student:

As you begin your career at SU, we are excited to make available to you The College's indispensable guide to academic majors and related careers. Thousands of students have benefited from the information and advice contained in *Major Insights*. And our publication is a perfect complement to the *Undergraduate Course Catalog*, which provides a great deal more information about academics at SU. I know your time is valuable and limited, so here are the main sections of *Major Insights*, and why they're important to you:

- The 49 majors in The College of Arts and Sciences are referred to collectively as "the liberal arts," a term that encompasses studies in the Humanities, Social Sciences, Sciences and Mathematics. In contrast with more specialized, professional studies, the liberal arts are intended to provide students with a broad, well-rounded education that prepares them for a wide range of post-graduate pursuits, as well as for active and informed participation in civic life.
- There is also a section devoted to identifying and choosing one or more minors from the growing list of over 100 available minors across SU's schools and colleges. While A&S students are not required to declare a minor program of study in order to graduate, they often decide to select a minor to "concentrate" in an academic area.
- The bulk of the publication presents an overview of each program of study in The College—from African American Studies through Writing and Rhetoric. The descriptions are written by faculty in the programs and are intended to give you a snapshot of what to expect in terms of content, courses, degree options, related honors and activities, graduate study, and potential career paths.
- The remainder of *Major Insights* focuses on suggested career paths for each program, career outcomes for A&S students who have graduated recently, and career resources on campus. There are also pages devoted to the process of declaring a major (a.k.a., "academic plan"), declaring a minor, and exploring other program options offered through The College, including dual, combined, and double majors.
- Finally, the last page summarizes the major career events taking place over the 2011-2012 academic year, to assist you in planning for and enhancing your college experience. As dates and times can change, please be sure to check our website regularly for new information and events.

If you'd like to discuss any part of *Major Insights* or your particular situation, feel free to visit us in 329 Hall of Languages or call 315.443.3150 to set up an appointment to speak with one of our professional staff. We wish you luck in your endeavors and are here to assist you in any way we can.

Sincerely,  
Shruti A. Viswanathan, Director, Academic Advising and Counseling

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# Why the Liberal Arts Are Right for You

## THE LIBERAL ARTS ADVANTAGE

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When employers come to Syracuse University to meet and recruit Arts and Sciences students, they cite the following skills developed through the liberal arts curriculum as the reasons they ultimately hire our students:

- **good communication skills (listening, writing, public speaking);**
- **good interpersonal and human relations skills;**
- **critical, analytical thinking abilities;**
- **decision-making abilities;**
- **strong work ethic;**
- **a diverse background, which makes them well-rounded; and,**
- **a demonstrated willingness to work hard and learn quickly.**

As a liberal arts graduate, you will be known for your ability to see "the big picture," to solve problems in a variety of ways by drawing on the different disciplines you've studied, to draw conclusions with information from a variety of sources, and to write and communicate persuasively. These skills are the primary reason why liberal arts graduates are attractive to employers and why liberal arts graduates historically surpass their peers professionally.

### **Your Preparation for the World**

In your broader experiences as an undergraduate, you likely will develop leadership skills; navigate a complex system; experiment with new technologies; build a network of faculty, staff, and employers; manage stress; budget your time and your finances; interact with diverse students; and juggle many other tasks simultaneously. The composite of all the educational, social, intellectual, leadership, international, and intercultural experiences of your entire undergraduate experience will form a body of skills and experiences that you will take to the workplace.

When you combine a strong liberal arts education with practical exploration in the world of work (through volunteering, summer or academic-year jobs, and internships), you'll be poised to graduate with the kinds of experiences that are desired by the marketplace and by graduate or professional schools.

# Choosing and Using Your Liberal Arts Major

## WHAT IS THE RELATION BETWEEN A MAJOR AND A CAREER?

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Most students identify their majors with their career plans. However, the relation between major and career is more fluid than you might think, and this is especially true for liberal arts majors. The relation between a liberal arts major and career options allows a greater degree of freedom.

- You can major in English, philosophy, French, art history, or any other liberal arts major and get jobs in the business world.
- You can major in economics and go into business, but there are many non-business careers you can do.
- You can become a journalist without majoring in journalism.
- You can major in sociology, religion, history, or biology and do many different kinds of work, including business or non-profit work.
- You can be a lobbyist with a major other than political science or policy studies.

Of course, there are many professions you cannot enter without an advanced degree, such as law, medicine, psychology, and architecture. Your liberal arts degree is suitable preparation for these fields of graduate and professional study. Many graduate and professional schools prefer liberal arts majors because of their superior general learning skills.

The biggest mistake that liberal arts students and graduates make regarding their career prospects is to believe that their majors *limit* their career choices.

## WHAT ARE THE VIRTUES OF BEING "DECIDING"?

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"Deciding" students win the Courage Award. In the face of parents and peers who say, "What are you going to major in? You don't know? Well, when are you going to decide?", it takes courage to say, "I don't know yet."

Liberal arts students are often deciding and that's not a bad thing! They're deciding about their majors, their career goals, and even about the courses they'll take next semester. Well, why not? It takes time to reflect on what you want.

Deciding is part of the normal human condition. For any decision, you need a period of "incubation" while your unconscious sifts and sorts all of the information and possibilities. You also need to gather "experience" that will help you decide. In the case of a major, you should sample courses, talk to students who have taken specific courses, and experience more of yourself as a student—what you resonate to.

Life is an ongoing parade of decision making. Careers are especially fluid. Don't rush the process. Premature decisions are usually made to satisfy somebody else. A decision about a major may wait until you have had summer jobs, internships, or informal exposure to people in the world of work. Or simply until your unconscious has had time to sort through how you feel about various options. The unconscious, intuitive side of you—the part that makes the important decisions—needs time to function.

[The preceding sections—"What Is the Relation Between a Major and a Career?" and "What are the Virtues of Being 'Undecided?'"—are excerpted from *Keys to Liberal Arts Success* by Howard W. Figler, Carol Carter, Joyce Bishop, and Sarah Lyman Kravits (Upper Saddle River, NJ: Prentice Hall, 2002, pp. 52, 53, 56 and 60).]

## SELECTING A MAJOR AT SU

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Like the skills gained from a liberal arts education, the academic programs offered at SU are extensive and varied. The College of Arts and Sciences alone offers 50 majors to choose from, and you don't have to choose only one! Your academic direction will depend largely on two variables—the interests you would like to explore in more depth, and how you pace yourself during your college career (i.e., how much external credit you enter with, the number of courses you take each semester, whether you take additional courses during the Summer, how quickly you want to graduate, and so forth).

As the previous section on being “deciding” suggests, students can be influenced by a number of factors, both internal and external, when considering a major. Family, friends, the media, career aspirations, economic outlook, salary expectation, prestige, and even college deadlines can persuade a student to consider certain majors and not others. Ultimately, however, the choice must be *yours*, it must be a good choice for you, and you must live with it through a number of courses (typically about 10).

We all have our internal voice that advises us, warns us, and even argues with us at times. Whether the source of the voice is our unconscious, our instinct, or our uncensored desires, it is the single best indicator of who you really are and what you want. And with every experience you have in college, the voice changes to reflect the person you are becoming. There are a number of advisors and counselors at SU who can help you tune out the outside noise (those external factors identified above) and tune into the voice that likes certain courses and career options over others. If you listen closely, the voice will suggest what major(s) to explore and, ultimately, to choose.

### **Taking Major Steps**

While the process of choosing a major is unique to each student, there are general guidelines all students should follow to achieve the best outcome within the allotted timeframe (i.e., students in The College of Arts and Sciences must officially declare at least one major by the time they have earned 54 credits). Thus, you could conceivably try out 18 classes before making your decision, and you are strongly encouraged to take a minimum of two classes in your intended major before committing to it.

For those students who are less in the habit of listening to—much less following—the voice, *Major Insights* can provide you with a friendly place to begin your exploration. We encourage all students to read this publication cover-to-cover, but for those who are pressed for time, we recommend an alternative approach:

1. Turn to the Table of Contents.
2. Under "The Programs of Study," highlight every program that interests you or about which you are curious to learn more.

3. Proceed to the corresponding page for each program you highlighted. Read the entry in full.
4. If you continue to be interested in that program, schedule an appointment with the "Principal Advisor" listed at the top of the program page. Principal Advisors are faculty members who teach in that program and who can provide you with an overview of the majors or minors offered by the program and answer any questions you have.

For more information on the steps involved in officially declaring a major (academic plan), see page 112.

## COMBINING PROGRAMS OF STUDY

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One of the great benefits of attending a university as large and comprehensive as SU is the chance to delve into more than one program of study (even though The College of Arts and Sciences requires only one major to satisfy graduation requirements). Students considering more than one program should become familiar with the options of *double*, *dual*, *combined*, and *minor programs*.

**Double majors:** A student may choose to pursue *two* programs of study, either within The College of Arts and Sciences or between The College and another school or college at SU. The latter option is considered a double major only if an official dual degree program does *not* already exist (see "dual degree program" below). For more information about electing a double major, visit the Advising and Academic Support office located in 329 Hall of Languages.

**Dual degree programs:** The College of Arts and Sciences has established dual degree programs with both the School of Education and the S. I. Newhouse School of Public Communications. Students interested in either dual degree program must first meet the eligibility requirements of the specific program. For more information—including how and when to apply—visit the Advising and Academic Support office located in 329 Hall of Languages.

**Combined degree program:** The College of Arts and Sciences has an established combined degree program with the L. C. Smith College of Engineering and Computer Science. Students who are admitted to this program will receive two bachelor's degrees upon successful completion of a minimum of 150 credits (as compared with the 120 credits required of single enrollment in The College of Arts and Sciences). It generally takes five years or 10 semesters to complete a combined degree program.

**Dual major programs in "Arts and Sciences/Art" and "Arts and Sciences/Music":** These programs are designed for students interested in pursuing either studio arts, music performance, or music composition studies in addition to a liberal arts education. Admission to the art program requires a portfolio and admission to the music programs requires proof of competency in basic musical skills, either through coursework or a competency examination. The degree for either dual major program is awarded by The College of Arts and Sciences.

For a more detailed description of combined programs of study, see page 114.

# Choosing a Minor: A Potentially Major Deal

Understandably, the majority of first- and second-year students are concerned about exploring and choosing one or more appropriate majors. The question of whether to pursue one or more minors may seem over the top, particularly for those students who are having a difficult enough time identifying one academic interest that will keep them motivated through ten required courses.

The purpose of this section on minors is *not* to increase your stress level. On the contrary, we in Advising and Academic Support hope to give you a clearer sense about what minors are (and are not), how they differ from majors, and the benefits of engaging in one or more minors. As the description on page 113 indicates, a minor is a program of study with fewer requirements (typically 18 to 21 credits) than a major (typically 30 credits).

Remember that your choice of academic program(s), your transcript (i.e., summary of your courses and grades), and your resume all intermingle to form a portrait of your skills, interests, and potential—as a future employee and/or graduate student. In this way, minors serve to further your goals. For example, if you're a Music History and Cultures major with a desire to work at a large record label, you might strategically choose a minor in Music Industry in conjunction with one or two internships in New York City, Los Angeles, or Nashville. In so doing, you are communicating to prospective employers that you're serious about this line of work and are preparing for it even before you graduate from SU. In like manner, if you're a Sociology major, you might consider a minor in Spanish in addition to study abroad at SU's center in Madrid to prepare for graduate study in urban planning or social work.

For a comprehensive list of the 104 different minors available at SU—listed by school or college—see pages 108 through 111; and for more information on the steps involved in officially declaring a minor, see page 113.

# African American Studies

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## DESCRIPTION

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The Department of African American Studies at Syracuse University involves three broad geographic and intellectual areas of engagement that span African America, Africa, and the Caribbean. African American Studies (AAS) is interdisciplinary in its orientation. The AAS program offers two tracks (Humanities and Social Sciences) for AAS majors with different educational needs. As a whole it provides:

- 1) knowledge of the broad field of African American Studies;
- 2) specific knowledge of its diverse aspects;
- 3) the reading, writing, and research tools for exploring AAS and its boundaries; and,
- 4) ample opportunity for research, community involvement, and study abroad in African American Studies, as well as hands-on experience in related fields.

The **Humanities track** combines the study of orature, literature, history, religion, philosophy, art, and so forth, leading to insight into the branches of learning concerned with human thought and relations. The **Social Science track** spans such diverse interests as economics, sociology, politics, psychology, anthropology, and so forth, which in turn lead to an understanding of the structures of societies and the activities of their members. Both of these tracks are a basic preparation for a variety of careers and graduate study in various disciplines.

Regular course offerings are available in: art, creative writing, drama, history, literature, orature, Pan-Africanism, political science, religion, sociology, theater, women's studies, and writing. In addition, seminars are offered on a variety of important topics. Some of the Department's courses are cross-listed with other departments. The Department maintains curricular links with the School of Education. AAS community internships enhance our interdisciplinary approach. In addition to its intrinsic intellectual value, African American Studies helps prepare students to become contributing members of diverse communities that include and extend beyond the United States.

## CO-CURRICULAR OPPORTUNITIES

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### **Community Outreach Programs:**

Further practice, experience and community involvement in African American Studies are provided through the AAS Department's two community outreach programs: the Community Folk Art Gallery (<http://www.communityfolkartcenter.org>) and the Paul Robeson Performing Arts Company (<http://aas.syr.edu/prpac>).

In addition, internships in community-based African American and Latino agencies and organizations are available each semester to students enrolled in AAS 470, Internship in African American Studies. This course can be used to fulfill AAS major and minor requirements.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in African American Studies**

The major program leading to a B.A. in African American Studies requires a minimum of 30 credits, the first six of which must be AAS 112 and either AAS 231 or AAS 232. After formal admission into the program, a student is required to complete 24 credit hours of further work in African American Studies; this work is selected in consultation with a faculty advisor. At least 18 of the credits must be in AAS 300 or above. Further, a student will need to complete a six-credit core (AAS 525 and either AAS 312, 332 or 333); a six-credit specialization (in the Humanities or the Social Sciences), and 12 credits of major electives.

The specialization in the Humanities requires AAS 345 or 361 and either AAS 305, 331 or 433. The specialization in the Social Sciences consists of AAS 470 and either AAS 306, 353 or 341. The 12 credits of major electives may be any additional advanced courses in African American Studies chosen in consultation with the student's faculty advisor.

### **Minor in African American Studies**

A minor in African American Studies will enhance any major, particularly in the liberal arts, public communications, education, information studies, and visual and performing arts. Eighteen credits are required to complete a minor in African American Studies. All students must successfully complete AAS 112 and either AAS 231 or 232 prior to formal admission into the program. Three credits must be taken in African American History (AAS 332 or 333); additional African American Studies courses are chosen in consultation with the student's faculty advisor. Please stop by the office in 200 Sims Hall for more information.

## CAREER PATHS

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The African American Studies major provides the skills for a variety of careers, rather than training for a single specialized occupation or field. The list of jobs in which an African American Studies major could work effectively is endless, e.g., business, teaching, public policy, counseling, social services, government, health care, law, city planning, international relations and journalism. This variety of possibilities is the most important aspect of the African American Studies major for students to grasp. Also see page 115 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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The African American Studies major provides the skills in research, writing, and analysis required for graduate study in a variety of areas. The African American Studies major is strong preparation for continued study in the humanities, social sciences, law, international relations, urban planning, business, teaching, counseling, social services, government, health care, and journalism.

In addition, the newly established M.A. in Pan-African Studies at Syracuse University is a 30-credit program offering students a comprehensive understanding of the global African

experience. This interdisciplinary program is structured around courses that explore the Pan-African experience as reflected in multiple historical, social, and political contexts, most notably in Africa, the Caribbean, and the United States.

## HONORS AND AWARDS

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*W.E.B. DuBois Award of Academic Achievement*  
*Anna Julia Cooper/Carter G. Woodson Award*  
*Angela Davis/Walter Rodney Award*  
*Fannie Lou Hamer Award for Community Service*

Recipients of these annual awards are selected from among the graduating seniors majoring or minoring in African American Studies.

## ORGANIZATIONS/ACTIVITIES

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Each year, in support of the Department's undergraduate studies initiatives and activities, the Department of African American Studies organizes the *African American Studies Colloquium Series*. For this series, the Department draws upon its faculty, as well as distinguished scholars, artists, writers and public figures, to address students and the University community on a variety of topics throughout the academic year. Past speakers have included: Angela Davis (history of consciousness), Patricia McFadden (women's studies), David Driscoll (art history), Merle Collins (cultural studies), Manning Marable (political science), Joyce Ladner (sociology), and Toni Morrison (fiction). The Department of African American Studies, through the Africa Initiative and in conjunction with the Department of Political Science in the Maxwell School of Citizenship and Public Affairs, also organizes the *Eduardo Mondlane Colloquium Series* which emphasizes the Department's interest in Pan-African studies, current topics, and compelling debates in African American Studies.

In addition, students are invited to participate in C.A.A.M.A. (Concerned African American Studies Majors and Minors Association), an undergraduate association of students who work closely with the Department on special initiatives, program development, and social activities.

## ADDITIONAL INFORMATION

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Located in the Department of African American Studies is a special collections resource center—*The Martin Luther King, Jr. Library*—which contains holdings in African American, Caribbean and African Studies. This library was established by students in 1969. The Martin Luther King, Jr. Reference Librarian, Angela Williams, is available to assist students and faculty. The MLK, Jr. Reference Librarian is currently working with faculty in the Department to develop the Harriet Tubman Research Collection, which enhances research in and documents the story of the African American presence in central and western New York. Its primary, but not exclusive, focus is on the 19<sup>th</sup> Century. The facility is open Monday through Friday. There is a computer cluster in the Department to assist majors, minors, and other undergraduates in their academic work. For more information about the MLK, Jr. Library, please visit our website at <http://mlklibrary.syr.edu>.

## HOME PAGE

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<http://aas.syr.edu>

# Anthropology

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## DESCRIPTION

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Anthropology is the systematic study of every conceivable aspect of humankind globally both past and present. It stands apart from other disciplines because anthropology combines multiple sub-fields that bridge the natural sciences, social sciences and humanities. These distinctive subfields include: *cultural anthropology* (the study of contemporary societies worldwide); *archaeology* (the study of historical and prehistoric cultures through artifacts); *biological anthropology* (the study of human evolution and human variation); *linguistic anthropology* (the study of language); and the emerging subfield of *applied anthropology* (the use of anthropological skills and knowledge to address contemporary social issues and problems). Each subfield uses diverse research strategies and methods to examine different aspects of the human experience. Our program emphasizes familiarity with non-Western peoples, and with anthropology's roles in addressing human problems. Majors interested in the cultural side of the discipline have the chance to learn the nuts-and-bolts of interviewing, observing, and recording real-life situations. Those interested in archaeology have ample opportunity to receive laboratory or field experience with artifacts and excavations. In the Department's new state-of-art laboratory, students interested in biological anthropology have the opportunity to explore human variation through manipulation of anatomical casts and related topics at the intersection of archaeology, culture and biology.

## CO-CURRICULAR OPPORTUNITIES

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To enhance the major offerings, students are encouraged to consider a semester abroad through Syracuse University Abroad (SU Abroad), a summer field school in archaeological excavation (archaeological field training programs are offered through the Department in interesting venues each Summer semester), or an internship with a relevant community organization, such as the Cultural Resources Council.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Anthropology**  
**Minor in Anthropology**

## CAREER PATHS

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Students will find training in anthropology valuable in pursuing careers in teaching, journalism, law, international business, museum operations, or public service. A professional anthropologist has at least an M.A. degree, and a Ph.D. is required for those interested in university or museum

posts. Non-academic employment is principally found in international agencies (the United Nations, for instance), cultural resource management firms, or in government. Foundations and private agencies employ some anthropologists, while environmental and social impact assessments have become important sources of work for anthropologists. Increasing numbers of anthropologists are employed in business, especially in fields like marketing research and management consulting. Also see page 115 of the section, "Career Suggestions for Selected Majors."

## HONORS AND AWARDS

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The *Gordon T. Bowles Anthropology Award*, for an outstanding paper with an anthropological theme, is awarded annually.

Seniors with strong academic records may apply to complete a paper leading to the recognition of *Distinction in Anthropology* to be conferred upon graduation.

## ORGANIZATIONS/ACTIVITIES

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The Anthropology Department encourages its students to form an Undergraduate Anthropology Club. Its activities have included field trips to museums and archaeological sites. The Department also sponsors a chapter of *Lambda Alpha*, the National Honor Society for Anthropology.

## HOMEPAGE

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<http://www.maxwell.syr.edu/anthro>

# Art and Music Histories

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## DESCRIPTION

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The program of study in Art and Music Histories offers a range of courses in the history of the visual arts and music. Students explore the development of the arts and their place in the societies that created them. Concentrations include: architectural history, art history, music history, or a combination of "arts and ideas." Courses explore specific genres and styles of the visual arts or music; or examine their manifestation in various historical periods and/or geographical areas. Special courses focus on major creative personalities or particular modes of creativity.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Fine Arts**

**Bachelor of Arts in Art History**

**Bachelor of Arts in Music History and Cultures**

**OTHER SPECIAL DEGREE OPTIONS: Arts and Sciences/Art; Arts and Sciences/Music** – These special options programs offer the opportunity for extended professional study in art or music courses in the College of Visual and Performing Arts (VPA). Please see page 113 for more information. Art and Music Histories students must pass the portfolio review or possibly an audition to take appropriate courses from VPA.

**Minor in Art and Music Histories**

**Minor in Art History**

**Minor in Music History and Cultures**

## CAREER PATHS

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While studying art and music histories, students develop skills in communications, critical and analytical thinking, cultural sensitivities, an awareness of historical influences, and an appreciation for forms of expression, values, concepts, and ideals. These skills and appreciations may be applied in a variety of professional areas: education; arts administration; museum work; music and art production; publishing; library science; development work; public relations; advertising; curatorships, conservation, archiving, and appraising; exhibit design and preparation; travel-related occupations; retail management, including buying, display design, and fashion coordination; art and/or music therapy (in coordination with psychology); fashion, textile, and interior design; media sales, programming, design, video production, editing, music and art journalism, music and art criticism, animation, and graphic design; and emerging careers in multimedia and web design. Some of these fields require further study and/or training.

Students are strongly encouraged to further develop these skills through internships, either for credit through the Internship Services program in the SU Career Services office (235 Schine), or independently. Also see the Fine Arts/Art History list on page 117 and the Music History and Cultures list on page 119 of the section, "Career Suggestions for Selected Majors."

## ADDITIONAL INFORMATION

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Students with an interest in Art and Music Histories may also wish to see the "History of Architecture" section on page 54.

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<http://amh.syr.edu>

# Biochemistry

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Professor Karin Ruhlandt – Chemistry	Professor James Dabrowiak – Chemistry
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## DESCRIPTION

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Biochemistry studies the relationship between the structure and function of biologically significant molecules, large and small, present in living systems. A variety of methods available to biochemists allow detailed investigations into such areas as the catalytic behavior of enzymes, the chemical events of metabolism, and the molecular basis for storage and transfer of genetic information, to name but a few areas of study. Using the principles of biochemistry, biochemists working in the biotechnology industry identify new agents and drugs for detecting and treating disease and improve the economics and efficiency of industrial scale biological processes.

## CO-CURRICULAR OPPORTUNITIES

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The students majoring in Biochemistry are invited to present the results of their undergraduate research projects at the annual Undergraduate Research Conference at Syracuse University and at national conferences throughout the year.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Science in Biochemistry**

**Core Requirements:** All students seeking the B.S. in Biochemistry take general and organic chemistry, introductory biology, calculus, physics, genetics, cell biology, integrated biology laboratory, structural and physical biochemistry, general biochemistry and metabolism. In the core courses, students learn to use computer programs to visualize and analyze the structures of proteins and DNA and study how drugs and substrates bind to their target molecules. Students typically declare the Biochemistry major in their sophomore year and must achieve minimum grades in specific introductory core biology and chemistry courses as specified in the degree requirements which can be found on the program website <http://biochem.syr.edu>.

## CAREER PATHS

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In addition to the core courses, students may take electives that emphasize various career paths. A list of recommended electives for preparation for graduate school, the health professions and

the pharmaceutical/biotechnical industry is available. Also see pages 115 and 116 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Students pursuing advanced degrees and research careers in biochemistry and related fields can receive free tuition and an annual stipend of approximately \$20,000 to \$30,000 at most graduate schools.

## HONORS AND AWARDS

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Based on academic standing and performance in upper-level courses, the top senior is presented with the *Excellence in Biochemistry Award* given by the Chemistry Department. Various awards for academic research achievement are also available to senior Biochemistry students through the Biology Department. Senior Biochemistry students with outstanding records of academic and research accomplishment are eligible for the *Birge Award* given by the Chemistry Department and the *Lundgren Award* sponsored by the Biology Department.

## ADDITIONAL INFORMATION

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Brochures and additional information are available through the Departments' administrative offices which are Room 1-014 in the Center for Science and Technology (Chemistry), or Room 114 in the Life Sciences Complex (Biology).

The handout—"What Can I Do with a Degree in Biochemistry?"—may be requested from a career counselor in 329 Hall of Languages. It includes information about career areas in which to utilize a Biochemistry degree and strategies for achieving eligibility for employment.

## HOME PAGE

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<http://biochem.syr.edu>

# Biology

Chairperson	Program Director and Principal Advisor
Professor Ramesh Raina	Professors Scott Erdman and Marilyn Kerr
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## DESCRIPTION

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Biology is the study of living systems. Modern biology encompasses biochemistry, molecular and cell biology, physiology, animal behavior, ecology, evolution, and many other subjects. Students majoring in Biology at Syracuse University initially enroll in a one or two-semester introductory course. For B.S. candidates, this is followed by four required core courses addressing major sub-areas of Biology: Genetics, Cell Biology, Ecology and Evolution and an Integrated Biology Laboratory that provides an introduction to modern cross-disciplinary methods to investigating biological problems. During the junior and senior years, each B.S. major can pursue a more specialized program within their selected area(s) of interest while satisfying upper division elective requirements, including advanced laboratories. Biology B.S. majors also acquire a strong background in chemistry and mathematics, which is essential to advanced study in biological sciences and to many biology-related careers. A B.A. degree is offered which provides broad training in major biological concepts with a more limited introduction to laboratory methods.

## CO-CURRICULAR OPPORTUNITIES

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Students contemplating careers in biology are encouraged to gain laboratory or job experience beyond the classroom. Biology majors may obtain academic credit toward the major for research done in laboratories through BIO 460, or general degree credit through the Internship Services program in the Center for Career Services. The latter offers opportunities to study careers in health sciences and technology through internships at hospitals and the SUNY Upstate Medical University at Syracuse. In addition, a few upper-division students each semester gain teaching and leadership experience (and academic credit) while serving as assistants in the Biology teaching labs. The Renée Crown University Honors Program and the *Distinction in Biology* program provide excellent opportunities for students to spend extended time working in a research laboratory and write a thesis, often leading to publication.

## MAJORS (AND MINORS) OFFERED

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Advice regarding Biology majors and the minor can be obtained from Professors Scott Erdman or Marilyn Kerr (see "Program Director and Principal Advisor" above).

### **Bachelor of Arts in Biology**

This degree is offered primarily for students planning careers related to biology (science writing, medical illustration, science-related business, science teaching) who wish to have a background in science. The requirements are generally similar to the B.S. degree, but fewer courses in biology, chemistry and mathematics are required.

### **Bachelor of Science in Biology**

Students intending to pursue advanced study in Biology or health-related professions usually pursue a B.S. degree, which also includes extensive requirements in chemistry and mathematics. To receive the B.S. degree, students must petition The College of Arts and Sciences in the second semester of their senior year.

### **Bachelor of Science in Biology with a Focus on Environmental Science**

The Department of Biology offers this interdisciplinary program in conjunction with the Department of Earth Sciences for students with an interest in environmental problems. The requirements are similar to those of the B.S. degree, but electives in earth sciences, chemistry and/or engineering are substituted for some Biology requirements.

### **Minor in Biology**

A minor in Biology is provided as an optional program of study that may be completed in addition to one of the recognized majors in The College or University. The minor may be appropriate for students wishing to augment majors such as Psychology, Social Sciences, Engineering, Chemistry, or others with a biological component.

## **CAREER PATHS**

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A large proportion of Biology majors pursue graduate or professional training before initiating careers. Other students take positions in industrial laboratories (particularly pharmaceuticals) and in the food industry. A number of recent graduates have entered business and sales (again primarily in the pharmaceutical industry), while others established appropriate credentials and became teachers. A significant proportion of our graduates views their training in biology as part of a liberal arts education and uses their skills in quantitative reasoning in a variety of careers.

## **GRADUATE STUDY**

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Graduates with a B.S. degree most frequently pursue professional training in medicine, dentistry, or veterinary medicine. Others are accepted into a wide variety of graduate programs in universities throughout the country. These students commonly pursue an M.S. or Ph.D. degree in a research field; a few enter graduate programs in genetic counseling and psychology.

## **HONORS AND AWARDS**

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The Department of Biology acknowledges seniors in an "Awards Day" shortly before Commencement. Students are recognized for distinguished accomplishments in academics, service, and/or research. The most prestigious award, *The Donald G. Lundgren Award*, is given to the outstanding graduating senior majoring in Biology.

The Department of Biology offers its undergraduate majors the opportunity to participate in original research in collaboration with a mentor. Those who complete a high-quality Biology thesis project, and maintain a minimum 3.4 cumulative GPA and a minimum 3.4 GPA in courses in the Biology Department will be certified by the Biology Department to graduate with *Distinction in Biology*. Students will be invited by the Distinction Program Director to join the program the first semester of their junior year, but they may join as late as the second semester of that year.

Students in the program will then find a research mentor (often a Biology Department faculty member). A formal presentation of their senior thesis is made by the end of their senior year. Sophomores interested in the program should be looking for a mentor to help plan their schedule for their junior and senior years, so that they will be prepared to begin research by the first semester of their junior year. A booklet, *Undergraduate Research Opportunities in Biology*, offers a list of potential research mentors for students both within the department and in other SU, SUNY ESF and Upstate Medical University basic sciences departments. Anyone interested in the *Distinction in Biology* program should contact Dr. Scott Erdman at [seerdman@syr.edu](mailto:seerdman@syr.edu).

## ADDITIONAL INFORMATION

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The booklet, *Undergraduate Studies in Biology*, gives a detailed description of degrees and degree requirements. The booklet, *Undergraduate Research Opportunities in Biology*, gives a detailed description of research opportunities for undergraduates. The booklet, *Preparing for Biology-Related Careers*, provides insight into a wide variety of career paths for students interested in biology. All three booklets are available in Room 114 in the Life Sciences Complex.

## HOME PAGE

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<http://biology.syr.edu/undergraduatestudies/undergraduatestudies.html>

# Biophysical Science

Chairperson	Chairperson	Program Advisor
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## DESCRIPTION

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The B.A. in Biophysical Science is designed to serve students with strong interests in the physical and mathematical aspects of the life sciences who wish to focus more on the interface of biology and physics. This interface is currently a dynamic area of studies in the life sciences and the next ten years are likely to see a revolutionary improvement in our understanding of biophysical systems, mainly because of the advent of new techniques that permit us to watch the behavior of individual biomolecules.

There are excellent scientific and professional opportunities, especially in pharmaceutical, biotechnology, and nanotechnology focused companies, for students who have acquired the unusually broad scientific and liberal arts preparation of a Biophysical Science major. The major is also well suited to students interested in graduate work in the health professions or in the biophysical sciences.

## MAJORS (AND MINORS) OFFERED

---

### **Bachelor of Arts in Biophysical Science**

The signature of the program is a broad training across physics, biology, and chemistry. The B.A. in Biophysical Science requires a minimum of 61 credit hours of coursework, including 55 credit hours of specific courses. Eighteen credit hours of upper-division coursework in biology and physics are required, as are three credit hours of upper-division laboratory work in biology or physics.

## CAREER PATHS

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For suggested occupational titles and sample employment outcomes for Biophysical Science majors, see page 115 of the section, "Career Suggestions for Selected Majors."

## HOME PAGE

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<http://thecollege.syr.edu/students/undergraduate/interdisciplinary/biophysical-science/index.html>

# Biotechnology

Chairperson	Program Directors
Professor Ramesh Raina	Professors Surabhi Raina and Ramesh Raina
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## DESCRIPTION

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Biotechnology seeks to apply information gained from living systems to solving a variety of problems important to society, including biomedical applications, improved agricultural technologies and development of sustainable energy resources such as biofuels. This program offers students an opportunity to take courses in biology, environmental sciences, chemistry, engineering, law, management and public policy important for addressing biotechnology-related issues. This program will help students to prepare for jobs in areas such as the biotech industry, health professions, pharmaceutical industry and research in academia. The program requires the same basic courses as the B.S. degree in Biology with substitution of elective courses in engineering, law, management and public policy. Also, a senior year capstone class (Biotechnology Seminar) and internship/independent research is required.

## CO-CURRICULAR OPPORTUNITIES

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Students in the Biotechnology major will gain laboratory or job experience through internships in companies or by completion of an independent research project with a faculty member. This program requirement can be fulfilled by a) completing an approved internship at a biotech-related company during spring and/or fall semester of junior or senior year or b) by completing an approved independent research in any of the biotech-related topics, including biology, chemistry, engineering, public policy, law or management. For example, if a student chooses to do independent research in biology, s/he can register for 3 credits of BIO 460 each semester. In addition, an approved internship at a biotech-related company over the summer can be petitioned to fulfill this requirement.

## MAJORS (AND MINORS) OFFERED

---

Advice regarding the Biotechnology major can be obtained from the Program Directors Professors Surabhi and Ramesh Raina (see "Program Directors" above).

### **Bachelor of Science in Biotechnology**

This degree is offered for students planning careers related to biotechnology and biomedicine who wish to have a background that includes the life sciences, engineering and business. Students intending to pursue advanced study in the life sciences or health-related professions typically pursue a B.S. degree, which also includes extensive requirements in chemistry and mathematics.

## CAREER PATHS

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Biotechnology majors will be well prepared for entry level positions in pharmaceutical and biotechnology focused companies. The program provides preparation geared to allowing students to pursue positions in biotechnology, agricultural technology and pharmaceutical companies in either laboratory work or sales elements of these businesses.

## GRADUATE STUDY

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Graduates with a B.S. degree may pursue further graduate or professional training before initiating careers, earning a Masters or PhD in a research field. The business focused component of the Biotechnology B.S. degree provides strong preparation for students to undertake M.B.A. studies in business schools. Graduates will also be well prepared to pursue professional training in medicine, dentistry, or veterinary medicine.

## HONORS AND AWARDS

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The Department of Biology acknowledges seniors in an "Awards Day" shortly before Commencement. Students are recognized for distinguished accomplishments in academics, service, and/or research. The most prestigious award, *The Donald G. Lundgren Award*, is given to the outstanding graduating senior majoring in Biology, Biochemistry or Biotechnology.

## ADDITIONAL INFORMATION

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The booklet, *Undergraduate Research Opportunities in Biology*, gives a detailed description of research opportunities for undergraduates, some of which will be appropriate for Biotechnology majors. The booklet, *Preparing for Biology-Related Careers*, provides insight into a wide variety of career paths for students interested in biology, biochemistry and biotechnology. Both booklets are available in Room 114 in the Life Sciences Complex.

## HOME PAGE

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<http://thecollege.syr.edu/students/undergraduate/interdisciplinary/biotech/index.html>

# Chemistry

Chairperson	Principal Advisor	Principal Advisor
Professor Karin Ruhlandt	Professor Ari Chakraborty	Professor Mark Braiman
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## DESCRIPTION

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Chemistry is no less than the study of all matter. Living plants and animals, as well as inanimate objects and materials such as rocks and water, are all mixtures of chemicals with varying levels of complexity.

The chemical sciences are concerned with forms of matter and their transformations, especially at the atomic, molecular, and super-molecular levels. The properties, compositions, and structures of substances, the chemical reactions they exhibit, and the energetic implications of these reactions are investigated by chemists. Chemists also seek applications of the understandings gained to benefit society: in agriculture, biology, cosmetics, energy utilization, engineering, environmental protection, food quality enhancement, forensic science, pharmaceuticals and other aspects of medicine, materials needed for space- and computer-aged applications, plastics of every variety, and so on. Chemistry is at the heart of recent advances in solid state physics, molecular biology and genetic engineering, new information storage and retrieval technologies, and advanced materials for computer engineering, electronics, and photonics. Given the enormous range of concerns and applications, from astrochemistry to geochemistry, from biochemistry to chemical physics, chemistry is truly the central science.

Students of chemistry learn about the fundamental properties of atoms and of the molecular compounds and ionic solids made up of atoms. Chemistry majors study the basics of the chemical elements and polyatomic molecules; and theories used to correlate chemical structures and properties, as well as to explain how chemical structures can store and exchange both information and energy. They progress to advanced courses and laboratory work in organic chemistry, analytical chemistry, physical chemistry, biochemistry, and inorganic chemistry.

## CO-CURRICULAR OPPORTUNITIES

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Undergraduate Chemistry majors are encouraged to engage in original research under the supervision of faculty members. These for-credit research experiences, individually designed through mutual agreement, augment learning gained through regular courses. They may also lead to published original contributions in chemical journals.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Chemistry**

A somewhat less comprehensive B.A. in Chemistry program is offered for students interested in chemistry who may wish to pursue advanced work in chemistry or in related disciplines.

### **Bachelor of Arts in Chemistry with an Emphasis on Biological Chemistry**

A program leading to a B.A. in Chemistry with an Emphasis on Biochemistry is also offered to meet the needs of students interested in multidisciplinary studies in chemistry, biochemistry, and biology.

### **Bachelor of Science in Chemistry**

The program of study leading to a B.S. in Chemistry is recommended for students preparing for graduate study in the chemical sciences, or for immediate employment as chemists. The B.S. degree is accredited by the American Chemical Society.

### **Integrated Learning Majors**

The Chemistry B.A. or B.S. programs can be used as entry programs for the Integrated Learning Majors in Forensic Science, and in Energy and Its Impacts

Students interested in a Bachelor of Science in Biochemistry should see the "Biochemistry" section on page 16.

### **Minor in Chemistry**

## **CAREER PATHS**

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Professional opportunities for students earning degrees in chemistry are exceptionally attractive and diverse, ranging from work in Universities and other nonprofit teaching and research organizations, to science-based professions (medical, veterinary, pharmacy), to lucrative industries. Internationally, chemical companies are big business, with sales in the hundreds of billions of dollars. Energy and environmental sciences, forensic and biomedical analysis, fine chemicals, pharmaceuticals, petrochemicals, cosmetics, consumer products of every variety, plastics, fabrics, paints and dyes, agricultural chemicals, high-performance specialty materials including innovative "nano-technology" products—the variety and importance of manufactured goods and analytical services dependent on workers trained in chemistry can hardly be overstated. Ambitious graduates who are well versed in chemical theory and practice have every reason to be optimistic and confident of their professional prospects, including in many careers without the word "chemist" in their titles. Also see page 116 of the section, "Career Suggestions for Selected Majors."

## **GRADUATE STUDY**

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While students earning B.A. or B.S. degrees in Chemistry can find attractive employment opportunities at once, those continuing to graduate studies and advanced degrees find additional professional options and further opportunities for growth, service, advancement, and recognition. Information about chemistry and chemistry-related graduate programs is conveniently available in the American Chemical Society's *Directory of Graduate Research*, and in other sources. Information about master's and doctoral programs in chemistry at Syracuse University may be obtained through the main office of the Department of Chemistry or at the Department's Web site at <http://chemistry.syr.edu>.

Students entering graduate work in chemistry at Syracuse University or at other major research universities in the United States can ordinarily count on financial support through tuition remissions, fellowships, and assistantships.

## HONORS AND AWARDS

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The Chemistry Department annually recognizes leading students in a variety of areas. The *Gershon Vincow Award* recognizes excellence in general Chemistry. The *CRC Handbook Award* recognizes exceptional performance in Honors Chemistry. Department awards are given to those students who excel in Analytical, Biochemistry, Inorganic, Physical and overall Chemistry. The *Clayton Spencer Award*, sponsored by *Alpha Chi Sigma* (see below), is given to a senior with exceptional performance in undergraduate research. The *George Wiley Award* is given to two outstanding Organic Chemistry students. An award recognizing the outstanding senior in Biochemistry research is the *Birge Award*. The *Merck Index Award* is presented to an outstanding senior Chemistry major. There are additional awards in Biochemistry. (See the "Biochemistry" Honors and Awards section on page 17.)

## ORGANIZATIONS/ACTIVITIES

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Undergraduate Chemistry majors can join the pre-professional Chemistry organization, *Alpha Chi Sigma* (AXΣ). Meetings of this organization include social and service events, opportunities for academic help and advice for younger students, and discussions about career opportunities. The Department of Chemistry supports this group with a faculty advisor, meeting space, and occasional financial assistance. Students may also become student affiliates of the American Chemical Society, the largest professional society of its kind in the world.

## ADDITIONAL INFORMATION

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Degree checklists, available online at <http://chemistry.syr.edu> or in the Department of Chemistry office (1-014 Center for Science and Technology).

The handout—"What Can I Do with a Degree in Chemistry?"—may be requested from a career counselor in 329 Hall of Languages. It includes information about career areas in which a chemistry degree is useful, as well as strategies for finding and taking advantage of employment opportunities.

## HOME PAGE

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<http://chemistry.syr.edu>

# Classical Civilization

Program Coordinator	Principal Advisor
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## DESCRIPTION

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### Why Study Classics?

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The past is a foreign country; they do things differently there.

L.P. Hartley

Students approaching Classical Studies for the first time may wonder how the study of languages and cultures from antiquity is relevant in the digital era; why study Classics?

First, Classics provides students with many fascinating intellectual opportunities. Because the range of Greek and Latin literature is so diverse, students interested in history, drama, poetry, political science, or philosophy, will find ample material to stimulate their curiosity. Moreover, students will develop the ability to read some of the most influential works of western literature in their original languages, and learn about cultures that are radically different from our own, yet at the same time provide the foundation of many modern ideas and institutions.

Since Classical Studies have traditionally played a central role in education they have left an indelible mark on the intellectual, political, and artistic development of Western Civilization. Countless authors, as diverse in time and place as Dante and Derek Walcott, have looked for inspiration to the classical tradition; political theorists and statesmen, including Thomas Jefferson and Alexander Hamilton, developed their political ideals through a close reading of ancient historians such as Polybius and Thucydides. Understanding the reception of classical texts and the ways subsequent generations adapted and modified classical ideals will grant students a greater degree of proficiency in civic and cultural history, and help them better understand the cultural politics of their own world.

Why study Classics? To find a challenging and immensely rewarding field of study, and to explore the familiar yet foreign country that is our past.

## MAJORS (AND MINORS) OFFERED

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### Bachelor of Arts in Classical Civilization

Students in this major study the civilizations of the ancient Mediterranean and their influence on subsequent civilizations. Students may focus on one or two elements, such as art, history, literature, philosophy, religion, or politics. Courses are given in English and require no knowledge of Greek

or Latin. However, students are encouraged to satisfy the Language Skills requirement by taking one of these languages. In addition, students are encouraged to take any of LIT 101, LIT 102, LIT 203 and LIT 211 during their first and sophomore years.

The major in Classical Civilization requires 27 credits chosen from a list of upper-division courses in Literature, Fine Arts, History, Religion, and Philosophy. No more than 9 credits may be selected from any one department. Other related courses may be substituted by petition to the faculty.

## CAREER PATHS

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While not all Classics students wish to become classical scholars, a major in Classics is among the most impressive degrees to have when applying for a job in other fields. The work ethic required for success in the languages, the intellectually challenging nature of the grammar and syntax of Greek and Latin, and the interdisciplinary nature of the field are only a few reasons why Classics majors are highly respected and sought-after job candidates. Furthermore, because of the historical role of Classics in education many terms and concepts in various fields are derived from Greek or Latin. For these reasons, Classics majors often find employment in Law, Medical Sciences, Government/Politics, Writing and Journalism, and Education.

## GRADUATE STUDY

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Majors in recent years have gone on to graduate work in fields including Classics, Law, Information Technology, Nutrition Science, Journalism, and Business.

## HOME PAGE

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<http://lang.syr.edu/languages/Classics/Classics-index.html>

# Classics

Program Coordinator	Principal Advisor
Professor Jeffrey S. Carnes	Professor Jeffrey S. Carnes
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## DESCRIPTION

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### Why Study Classics?

---

The past is a foreign country; they do things differently there.

L.P. Hartley

Students approaching Classical Studies for the first time may wonder how the study of languages and cultures from antiquity is relevant in the digital era; why study Classics?

First, Classics provides students with many fascinating intellectual opportunities. Because the range of Greek and Latin literature is so diverse, students interested in history, drama, poetry, political science, or philosophy, will find ample material to stimulate their curiosity. Moreover, students will develop the ability to read some of the most influential works of western literature in their original languages, and learn about cultures that are radically different from our own, yet at the same time provide the foundation of many modern ideas and institutions.

Since Classical Studies have traditionally played a central role in education they have left an indelible mark on the intellectual, political, and artistic development of Western Civilization. Countless authors, as diverse in time and place as Dante and Derek Walcott, have looked for inspiration to the classical tradition; political theorists and statesmen, including Thomas Jefferson and Alexander Hamilton, developed their political ideals through a close reading of ancient historians such as Polybius and Thucydides. Understanding the reception of classical texts and the ways subsequent generations adapted and modified classical ideals will grant students a greater degree of proficiency in civic and cultural history, and help them better understand the cultural politics of their own world.

Why study Classics? To find a challenging and immensely rewarding field of study, and to explore the familiar yet foreign country that is our past.

## MAJORS (AND MINORS) OFFERED

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### Bachelor of Arts in Classics

The Classics major may elect a concentration in Greek, Latin, or both. In order to complete the Classics major, a student must earn a minimum of 18 credits in the elected concentration at the 300 level or above in addition to the beginning language sequence (or the equivalent high school preparation).

### **Minor in Classics**

A minor in classics consists of 21 credits in GRE courses or 21 credits in LAT courses, including 101 through 201 plus 9 upper-division credits.

### **CAREER PATHS**

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While not all Classics students wish to become classical scholars, a major in Classics is among the most impressive degrees to have when applying for a job in other fields. The work ethic required for success in the languages, the intellectually challenging nature of the grammar and syntax of Greek and Latin, and the interdisciplinary nature of the field are only a few reasons why Classics majors are highly respected and sought-after job candidates. Furthermore, because of the historical role of Classics in education many terms and concepts in various fields are derived from Greek or Latin. For these reasons, Classics majors often find employment in Law, Medical Sciences, Government/Politics, Writing and Journalism, and Education.

### **GRADUATE STUDY**

---

Majors in recent years have gone on to graduate work in fields including Classics, Law, Information Technology, Nutrition Science, Journalism, and Business.

### **HOME PAGE**

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<http://lang.syr.edu/languages/Classics/Classics-index.html>

# Communication Sciences and Disorders

Chairperson	Principal Advisor
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## DESCRIPTION

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The undergraduate program in the Department of Communication Sciences and Disorders (CS&D) is designed to provide students with solid pre-professional training in the basic nature of human communication and disorders of communication. Students receive thorough grounding in the biological, psychological, physical, and linguistic bases of communication through completion of both basic Liberal Arts Core requirements and specialized courses in Communication Sciences and Disorders. The coursework prepares students for the professional training they will receive in a master's degree program in speech-language pathology or a clinical doctoral program in audiology. At the undergraduate level, students do not specialize in either speech-language pathology or audiology; the degree is a general one in Communication Sciences and Disorders. However, flexibility in the program does allow students to pursue any specific interests within the field. Students have the opportunity to gain hands-on clinical experience within the Gebbie Speech-Language-Hearing Clinics located in the CS&D Department.

## CO-CURRICULAR OPPORTUNITIES

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Guided clinical experiences during the undergraduate program foster the clinical skills that students will need for clinical practice in their graduate program. Students observe and may participate in diagnosis and treatment of clients with a wide variety of disorders. In addition, they have the opportunity to actively engage in pre-school screening programs, which identify those children who may be at risk for speech, language, or hearing problems. The opportunity to assist faculty and graduate students in ongoing research is another way in which students can enhance their learning of communication sciences and disorders. Students may be involved, for example, in collecting data from research volunteers, analyzing data, or aiding the faculty member in preparing data for presentation or publication. Past undergraduate students have assisted faculty in research projects dealing with hearing aid use by hearing impaired listeners, children's understanding of figurative language, children's dialect use, newborn infant hearing screening, and children's development of speech skills.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Science in Communication Sciences and Disorders**

The Department requirements for a B.S. in Communication Sciences and Disorders are designed to fulfill university requirements and to be consistent with the requirements of the American Speech-Language-Hearing Association (ASHA), the organization that accredits graduate programs in speech-language pathology and audiology. In addition, students will complete much of the coursework required for New York State teaching certification. Students must complete at least 120 credits for the bachelor's degree. The B.S. in CS&D requires students to fulfill the

quantitative skills requirement of the Liberal Arts Core and to complete 34 credits of CS&D courses.

### **Minor in Communication Sciences and Disorders**

A minor in Communication Sciences and Disorders is for the student who wishes to explore the field of communication sciences and disorders and, in the process, to become familiar with a field that offers opportunities in both applied and basic research and clinical practice. The minor requires 18 credits of CS&D courses.

## **CAREER PATHS**

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A bachelor's degree in Communication Sciences and Disorders is a pre-professional degree that is designed to provide a basis for an appreciation of the field or further study. Some examples of potential work settings for professionals in this field include education, health care, research, and private practice settings. With a bachelor's degree in this field, one can work under supervision of a certified speech-language pathologist or audiologist to provide services to children in educational settings; however, many states now require speech-language pathologists working in school settings to obtain a master's degree. Typically, a master's degree is required to work in all other settings. The need for speech-language pathologists and audiologists continues to remain significant as a large portion of the general population reaches senior citizenship and the latest technological and scientific developments are applied to diagnose and treat those with communication disorders. Also see page 115 of the section, "Career Suggestions for Selected Majors."

## **GRADUATE STUDY**

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Syracuse University offers the B.S., M.S., and Ph.D. degrees in Communication Sciences and Disorders, with specialization in Speech-Language Pathology at the master's level. The Au.D. degree is offered for students interested in pursuing clinical specialization in Audiology. The M.S. and Au.D. graduate programs are accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA), and are dedicated to comprehensive quality training of professionals in speech-language pathology and audiology. The master's program in Speech-Language Pathology is designed to provide the student with sufficient depth and breadth of academic study and clinical practica for a professional career in the diagnosis and management of individuals with speech, language and swallowing disorders. Students completing the programs will have met the course and practicum requirements set by ASHA for the Certificate of Clinical Competence and for New York State licensure.

## **HOME PAGE**

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<http://csd.syr.edu/index.htm>

# Earth Sciences

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## DESCRIPTION

---

Earth Science is the study of the structure, composition, and evolution of the Earth and terrestrial planets, including all aspects of the solid Earth, hydrosphere, atmosphere, and biosphere. It involves the application of basic physical and biological sciences to phenomena as diverse as the formation of mountain chains and the evolution of life. The program emphasizes quantitative understanding of the processes that have governed Earth's evolution. Advanced courses provide the foundation for professional careers in geology, hydrogeology, oceanography, climate and environmental sciences, and many other fields. Many courses involve field trips and/or laboratory experience.

## CO-CURRICULAR OPPORTUNITIES

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It is recommended that students seek summer employment as assistants to professional geologists in industry, government, or academia. Many such opportunities involve fieldwork.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Earth Sciences**

The B.A. degree requires EAR 101 (or 203, or 105 and 104) and 102, plus an additional 18 credits of Earth Sciences courses numbered 300 or above. Students pursuing the B.A. in Earth Sciences have considerable latitude in tailoring the program to meet individual needs. The degree can be usefully combined with any of a large number of other programs of study (e.g., Policy Studies, Economics, Education, Science Teaching, etc.).

### **Bachelor of Science in Earth Sciences**

The B.S. degree is a pre-professional degree for a career in the Earth Sciences and provides the preparation needed for continuation toward an advanced degree in the field. Required courses are: EAR 101 (or 203, or 105 and 104), 102, 314, 325, 333, 517, plus 21 additional credits within the major or approved ancillary science or math courses (at least 9 of which must be from courses numbered 400 or above). Also required are an approved Summer semester field course (EAR470), and CHE 106/116, CHE 107/117, PHY 211/221, PHY 212/222, MAT 285/286 or MAT 295/296.

### **Bachelor of Science in Earth Sciences with a Focus on Environmental Science**

Earth Sciences offers this interdisciplinary program for students with an interest in environmental science. The B.S. in Earth Sciences focus on Environmental Science curriculum requires EAR 101 (or 203), 102, 314, 325, 333, 517, BIO 121-123, plus 18 credits from an approved list of elective courses (including 9 credits from courses numbered 400 or above). Also required are an

approved Summer semester field course (EAR470), and CHE 106/116, CHE 107/117, PHY 211/221, PHY 212/222, MAT285/286 or MAT 295/MAT 296 and a capstone course (BIO 428). Also see the "Environmental Science" section on pages 37 and 38.

### **Minor in Earth Sciences**

Completion of a minor requires 19 credits in Earth Sciences, 12 of which must be numbered 300 and above.

## **CAREER PATHS**

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People with bachelor's degrees in Earth Sciences as their highest level of education are employed in government, industry, and education. However, students contemplating a career in the Earth Sciences should plan to obtain a graduate-level degree. Students can expect an additional 2 years to earn a MS and 5 years to earn a PhD degree.

Demand for geologists with M.S. and Ph.D. degrees is high and is expected to remain so for the foreseeable future. The energy sector (oil, gas, coals, geothermal, etc.) environmental consulting and remediation, and minerals industries employ large numbers of geologists. In these industries, the M.S. is the standard professional degree, although a substantial number of Ph.D.s are employed as well. Government regulatory and scientific agencies also employ large numbers of Earth Scientists at both the master's and Ph.D. levels (e.g., US Geological Survey, Department of Energy, Environmental Protection Agency, various state environmental conservation agencies and geological surveys). Careers in academia are also available for those dedicated to teaching and/or basic research. The Ph.D. is the standard degree in this arena. Also see page 116 of the section, "Career Suggestions for Selected Majors."

## **GRADUATE STUDY**

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Although most graduating seniors enter graduate programs in the Earth Sciences, a significant number go into related programs in the environmental sciences, education, law, or engineering.

## **HONORS AND AWARDS**

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The *Chauncey D. Holmes Award*, awarded annually to an undergraduate for excellence in introductory Earth Sciences courses.

The *Thomas Cramer Hopkins Award*, awarded annually to the outstanding undergraduate (Junior/Senior) major who has shown the greatest interest and aptitude for a career in Earth Sciences.

The *Faye Merriam Award*, awarded annually to a full-time undergraduate major for academic achievement, extracurricular contributions, and professional promise.

The *Newton E. Chute Award*, awarded annually to the outstanding graduate student for their scholarship, service to the Department, and professional promise.

The *Marjorie Hooker Award*, awarded annually to a full-time graduate student for the best research thesis proposal.

The *K. Douglas Nelson Award*, awarded annually for the support of graduate research, particularly, but not restricted to, research in the fields of geophysics and tectonics.

The *Estwing Award*, awarded annually to the outstanding undergraduate Earth Sciences students.

The *Alec G. Waggoner Award*, awarded annually to support graduate student research.

*Funds are also available from the Department to help support the cost of geological field camp and student research projects.*

## ORGANIZATIONS/ACTIVITIES

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Activities of the Geology Club, *Epsilon Mu* chapter of *Sigma Gamma Epsilon*, and the National Earth Science Honor Society, include the organization of field trips, a speaker program, and social events.

The Department hosts the annual Central NY Earth Sciences Student Symposium each spring with invited distinguished speakers, student research presentations, and networking opportunities with academic programs, industry and government agencies.

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<http://earthsciences.syr.edu>

# Economics

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## DESCRIPTION

The undergraduate Economics Department offers two degrees, the B.A. and the B.S.; in addition, the Department offers qualified students the opportunity to participate in its *Distinction in Economics* program, in which students write a thesis in their senior year. Both the B.A. and B.S. degrees emphasize analytical and critical thinking about markets, business decisions, consumer choices, urban economies, labor issues, public expenditure programs and tax policies, as well as the macro performance of the economy, and the operation of the economy in a global setting. It is an excellent major for students interested in careers in business, government, international relations, law, public communication, and public policy. Economics is also an excellent degree for students who are undecided about a specific career path, because the study of economics teaches disciplined thinking and analysis that can be used in a variety of careers.

While learning about economic institutions and how a complex, global economic system functions, students develop and hone their skills and abilities in research/analysis, communication, problem-solving, and financial analysis. These skills and abilities, which will be utilized in employment, are developed through the following coursework activities:

Research/Analysis	Communication	Problem Solving	Financial Analysis
Designing projects	Writing reports/articles	Assessing needs	Maintaining accurate records
Generating/ developing ideas	Summarizing	Defining problems	Tabulating figures
Organizing materials	Writing a proposal	Reviewing/evaluating goals	Manipulating numerical data
Computing data	Reading and interpreting reports/statements	Relating theory to practice	Developing budgets
Analyzing results	Speaking persuasively	Projecting/forecasting results	Performing cost/ benefit analyses
Testing an idea/ hypothesis	Explaining ideas/goals	Applying quantitative analysis	Creating and evaluating financial reports/statements
Using computers	Justifying a position	Generating solutions	
Applying statistical methods		Evaluating policies	
Building mathematical/ analytical models			
Finding mathematical solutions			

## MAJORS (AND MINORS) OFFERED

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Courses of study can be structured into four concentration areas. (For specific guides, see the SU *Undergraduate Course Catalog* and a Principal Advisor):

### **Bachelor of Arts in Economics (General Economics Program)**

Students who want a broad overview of economic issues design a General Economics Program around our elective offerings.

### **Bachelor of Arts in Economics (Law School Path)**

To prepare for law school, students take elective courses in law and public policy and Economics electives, such as labor economics, poverty and discrimination, public economics and urban economics, which emphasize social policy issues.

### **Bachelor of Arts in Economics/Bachelor of Science in Economics (Careers in Business Path)**

Students who plan a business career or who are taking a second major in The Martin J. Whitman School of Management typically pursue a B.A. in Economics. They may take elective courses in management, mathematics, statistics and technical writing courses in addition to their Economics courses.

### **Bachelor of Science in Economics (Graduate School Path)**

A second path through the major is designed for students who will work in a position that requires quantitative skills or who intend to enter M.A. or Ph.D. programs in economics, business or public policy. Students take courses in mathematical economics and economic statistics, in addition to their Economics electives.

### **Minor in Economics**

## CAREER PATHS

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Economics has served as the foundation for a variety of career opportunities. Syracuse graduates have gone on to successful careers in: management; planning, market research and management consulting; and in research and analysis positions in public organizations. Related careers include banking and finance, labor relations, public administration, business (financial planning and investment analysis), consulting, and Foreign Service. Employment of undergraduate economics majors is predominantly by large corporations in metropolitan areas. Students with undergraduate degrees in economics who pursue graduate training in economics or other fields will gain positions of increasing responsibility. Also see page 117 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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An Economics degree provides an excellent analytical background for graduate study in economics, law, public administration, business, management, and finance, and other fields that require an understanding of economic systems or precise and critical thinking.

## HONORS AND AWARDS

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The *JoAnn Heffernan Heisen Award* for outstanding achievement in undergraduate Economics is given annually to a graduating senior.

*Distinction in Economics* is awarded to students who successfully complete the Distinction in Economics program. For requirements, see <http://classes.maxwell.syr.edu/distinction/economics>.

## ORGANIZATIONS/ACTIVITIES

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The Economics Department encourages students with an interest in economics to consider joining the Economics Club. The goal of the club is to attract students with an interest in economics; to provide more information about the scope of the subject's many areas of study and the overall profession; to retain students who desire to enhance their economic learning and advance in various areas; to promote interest in economics; and to inform students who were otherwise unaware of the benefits of economics as a field of study. For more information, see <http://student.maxwell.syr.edu/uec>.

Based on scholarly achievement, outstanding Economics majors may be invited to join *Omicron Delta Epsilon*, the International Honor Society in Economics, in their junior or senior year.

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<http://www1.maxwell.syr.edu/econ>

# Energy and its Impacts

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## DESCRIPTION

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Many of the issues facing humanity today center on energy: its supply, its use, and the impact that energy technologies have on our environment. The Integrated Learning Major on Energy and its Impacts gives students the interdisciplinary background required to understand the origin of our current problems and the ability to seek solutions to them. Students from a broad range of primary majors (in the Natural Sciences, Social Sciences, Engineering, or Management) will come together to address some of the most important challenges that confront the world. A team-based capstone project will enhance interdisciplinary learning while building problem-solving skills.

As an Integrated Learning Major (ILM), Energy and its Impacts is designed to be combined with another primary major. It should be especially suitable for: CAS students in BIO, CHE, Biochemistry, Biotechnology, EAR, PHY, Environmental Sciences, ECN, GEO, PSC, PAF, or International Relations, for LCS students in Environmental Engineering, Mechanical Engineering, Chemical Engineering, or Electrical Engineering, and for Whitman students in Entrepreneurship and Emerging Enterprises or Finance. (Note: Engineering students must also enroll in the LCS Energy Systems Minor.)

Students must take three Foundation courses, four or five Elective courses, a Junior Seminar, and a Senior Capstone Seminar, as described at the website:

[http://thecollege.syr.edu/students/undergraduate/ILM/energy\\_ILM/Course\\_List.html](http://thecollege.syr.edu/students/undergraduate/ILM/energy_ILM/Course_List.html)

## CAREER PATHS

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Energy issues will play an important role in many careers. It is a major high technology sector and an active research area in the engineering and the sciences. However, it is equally important to many business enterprises and is a key area for public policy. The interdisciplinary background provided by the ILM will prepare scientists and engineers to work effectively with businesses and public policy makers; prepare entrepreneurs to work with scientists and engineers to develop and deploy innovative energy-related products and services; and prepare public policy makers to understand how design policies to enhance energy innovation.

## GRADUATE STUDY

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Engineers specializing in energy systems would find this major an important asset. It would also be valuable to business students pursuing an MBA, to students pursuing a Master's degree in public policy or public administration, or to science students pursuing a Ph.D. in a variety of fields.

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[http://thecollege.syr.edu/students/undergraduate/ILM/energy\\_ILM/index.html](http://thecollege.syr.edu/students/undergraduate/ILM/energy_ILM/index.html)

# English and Textual Studies

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## DESCRIPTION

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The English and Textual Studies (ETS) major provides a program in textual and cultural studies, with special emphasis on literary history, criticism, and theory. Courses deal with such problems as the nature and implications of reading and interpretation, the production of meaning in language and culture, and the nature of literary forms. Students may also include courses in creative writing as well as one upper division course offered by either the Writing Program or Languages, Literatures, and Linguistics. Students with special interests in creative writing or film and screen studies may choose to explore these fields through major “tracks” that focus in these areas.

## CO-CURRICULAR OPPORTUNITIES

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ETS majors are invited to participate in a number of forums to pursue their intellectual and creative interests beyond the classroom. At the ETS Major Conference, students have an opportunity to present and discuss their best papers and creative work before an audience of faculty and peers. Student creative writers share the stage with their professors during poetry and fiction readings. Throughout the year, students have the opportunity to engage with current faculty and visiting scholars in department-sponsored lectures and roundtables. The English department also hosts an annual career panel to help students think about career and graduate school options.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in English and Textual Studies**

Dual enrollments are available with the School of Education and the School of Information Studies and with the S. I. Newhouse School of Public Communications (for journalism and related areas). Please see the SU *Undergraduate Course Catalog* for more information.

### **Minor in English and Textual Studies**

## CAREER PATHS

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Along with traditional career choices in secondary school or college teaching, opportunities exist in a wide variety of fields for candidates with the kinds of skills developed by the typical ETS major: writing and other communication skills, and analytical and research abilities. Typical choices (some of them requiring additional specialized training) include law, journalism, publishing,

freelance writing, advertising, public relations, government, and a variety of careers in business and industry. Also see page 117 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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ETS majors often select education, language and literature, and law as areas for graduate study.

## HONORS AND AWARDS

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Exceptional ETS students may be invited to write a thesis to receive *Distinction in English and Textual Studies*.

The *Margaret Y. Cragg Prize*, awarded to the ETS major with the highest grade point average in ETS courses at the end of his or her junior year.

The *Nu Sigma Nu Essay Prize*, for the winner of an annual essay contest.

The *Anthony J. Pietrafesa Prize*, awarded to the graduating ETS major with the highest grade point average in ETS courses.

The *Jean Marie Richards Memorial Prize*, awarded to a graduating senior ETS major whose grade point average in ETS courses is among the top six and who has given evidence of distinction in writing.

The *Joan Garfinkel Memorial Scholarship*, awarded annually to an outstanding ETS major.

The *Lauretta H. McCaffrey English Prize*, awarded to the female graduating senior with a high grade point average in ETS courses.

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<http://english.syr.edu>

# Ethics

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## DESCRIPTION

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Ethics is a 24-credit Integrated Learning Major (ILM) encompassing the philosophical study of ethics, including theory and history; ethical issues in social science research; and the interdisciplinary study of ethical issues arising in the student's primary major. Among the majors that can be combined with Ethics are Management; Television, Radio, and Film; Broadcast/Newspaper Journalism; Graphic Design; Photography; Political Science; International Relations; Biology; Public Health; Anthropology; Psychology; and Sociology; as well as all majors offered by the L.C. Smith College of Engineering and Computer Science. Like all ILMs, Ethics includes a capstone project for which students contact practitioners in their field and then present their findings.

First- and second-year students contemplating the Integrated Learning Major in Ethics are advised to take one of the following courses: ANT 185, PHI 191/192/209, REL 252, or WGS/SOC 230.

To complete the major, 24 credits of approved Ethics courses are required. Of those, at least 18 must be numbered 300 or higher. In addition, there are the following specific requirements:

- (1) Two courses in contemporary and historical philosophical theory: PHI 391 and PHI 393;
- (2) One course in ethical issues in social science research: SOC 319, ANT 442, ANT 445, or ANT 481;
- (3) One Ethics course related to the student's primary major (refer to web link below for specific courses related to each primary major);
- (4) Senior Capstone Project for Ethics (PHI 495);
- (5) Three additional courses chosen from a list of approved courses (see web link below).

## CAREER PATHS

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Many Ethics majors will pursue careers related to their primary major field. However, a major in Ethics also provides excellent preparation for careers in public policy, law, and public service, and for work as a research integrity coordinator or ethics board member. The skills acquired in the pursuit of an Ethics major—critical thinking, writing, analysis of complex problems, and communication skills—are advantageous for a wide variety of careers.

## GRADUATE STUDY

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Ethics majors will be well equipped for graduate study in ethics, e.g. at philosophy programs that specialize in applied ethics. They will also acquire skills covered by law schools, such as the ability carefully to construct an argument and to anticipate objections.

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<http://as-cascade.syr.edu/students/undergraduate/ilm/ethics/index.html>

# European Literature

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## DESCRIPTION

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Students seeking a B.A. in European Literature must take 36 credits in Literature courses numbered above 250, selected from two or three of the following areas: French, German, Greek, Italian, Latin, Russian, and Spanish. Courses may be distributed to include 18 credits in each of two different Literatures or 12 in each of three Literatures. Up to 6 credits in the Literature of each area may be taken in translation, but the total credits in translation may not exceed 12 credits.

## CO-CURRICULAR OPPORTUNITIES

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Study abroad in France, Italy, or Spain will offer first-hand investigation of the country's culture and literary foundations. Such travel/study experiences are offered through SU Abroad.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in European Literature**

## CAREER PATHS

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Opportunities exist in a wide variety of fields for candidates with the kinds of skills developed by the typical Literature major: writing and other communication skills, and analytical and research abilities. Typical choices (some of them requiring additional specialized training) are law, journalism, publishing, freelance writing, advertising, personnel, public relations, government, and a variety of careers in business and industry. Please visit the Advising and Academic Support office in 329 Hall of Languages for career suggestions, strategies, and referrals. The office maintains a small but comprehensive collection of career resources, which can be borrowed for up to one week. Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Related fields of graduate study include languages and literature, disciplines in the social sciences and humanities, and education.

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<http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/euro-literature/index.html>

# Forensic Science

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## DESCRIPTION

Forensic Science is a 25- to 26-credit Integrated Learning Major (ILM) that can complement a variety of other majors, including Anthropology, Biology, Chemistry, Physics, Psychology, and Sociology. This ILM is designed to provide a broad exposure to the field, increasing employability in a variety of settings related to Forensic Science. Like all ILMs, Forensic Science includes a capstone project where students make contacts with practitioners in their field and then present their findings.

### Required Entry Courses (all are required)

- Introduction to Forensic Science (CHE 113)
- Advanced Forensic Science (FSC 406)
- Elementary Probability and Statistics (MAT 221)
- \*Statistical Methods II (PSY 252): may be substituted by Psychology Majors

### Connection Courses (must take the one designated for the vertical major)

- Forensic Anthropology (ANT 435): for Anthropology majors
- Human Skeletal Anatomy (ANT 433): for Anthropology majors
- Forensic Chemical Analysis (FSC 444): for Biology, Chemistry, Earth Sciences, and Physics majors
- Forensic Psychology (PSY 474): for Psychology majors
- Criminal Justice (SOC 334): for Sociology majors

### Elective Courses (three courses: connection courses may also be taken as electives)

- Reading the Body (ANT 400)
- Anthropology of Death (ANT 434)
- Genetics and Cell Biology (BIO 326)
- Molecular Genetics (BIO 462)
- Microscopy and Photomicrography (ERE 585): class offered by ESF
- Special Topics in Advanced Forensic Science (FSC 440): may be taken multiple times with different topics
- Criminology (SOC 397)

### Required Capstone Course

- Capstone Seminar in Forensic Science (FSC 498)

## CAREER PATHS

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"Forensic Science" refers to a broad spectrum of disciplines that apply scientific principles to legal concerns. The field of Forensic Science contains many specialized subdivisions, such as Forensic Chemistry, Forensic Biology, Forensic Anthropology, and Forensic Psychology, as well as much finer distinctions like Forensic Entomology, Forensic Pattern Analysis, and Forensic Linguistics, illustrating the incredibly varied career paths that are possible in this field. While most people who would be called Forensic Scientists are chemists or biologists working in crime labs, government agencies, or private companies, many forensics-related career possibilities exist outside this core area. Combining a broad education in Forensic Science with in-depth study in another discipline will help to qualify a student for these careers. For an extensive (but not exhaustive) list of forensics-related careers and required education, see the American Academy of Forensic Sciences website at <http://www.aafs.org>.

## GRADUATE STUDY

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The 2009 National Academy of Sciences report, *Strengthening Forensic Science in the United States: A Path Forward*, calls for better education among those practicing Forensic Science and recommends graduate degrees in several core disciplines of Forensic Science. As the legal system calls for increasingly sophisticated and validated scientific practices to solve legal problems, the need for qualified forensic scientists will continue to grow. For many forensics-related career paths, an M.S. in Forensic Science can help a student to increase depth in their chosen area, breadth in related forensic areas, and understanding of associated legal aspects. Graduate study in Forensic Science, combined with a complementary undergraduate degree, will greatly improve both job placement and effectiveness. Students who wish to obtain laboratory positions analyzing samples collected at crime scenes, for example, are best advised to obtain a B.S. in a natural science major (including at least four courses in Chemistry, one in Biology, and two in Physics).

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[http://as-cascade.syr.edu/students/undergraduate/ilm/forensic\\_sci/index.html](http://as-cascade.syr.edu/students/undergraduate/ilm/forensic_sci/index.html)

# French and Francophone Studies

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## DESCRIPTION

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French is truly a global language. On every continent, there is a French-speaking country or population. More than 125 million people share French as their first or second language in Africa, the Americas, Asia, Europe, and the Pacific. French is one of the official languages of the European Union, the Olympic Games, and the United Nations. A degree in French and Francophone Studies opens up a world of knowledge and opportunities.

In French and Francophone Studies courses, students are trained to master the language at all levels: speaking, listening, writing, and reading. They are also trained in critical thinking, reading, and writing within the challenging tradition of French dissertation and textual analysis. Majors and minors in French and Francophone Studies are exposed to a broad variety of courses and seminars designed to allow them to grasp the complexity of the French and Francophone worlds and to explore their literature, theater, cinema, art, philosophy, history, traditions, and cultures. Your French courses may also count toward degrees in European Literature, Modern Foreign Languages, Medieval and Renaissance Studies, Women's and Gender Studies, and African American Studies.

## CO-CURRICULAR OPPORTUNITIES

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To become proficient in French and to gain insight into a Francophone country and its people, students are encouraged to study for a semester or a year in Strasbourg, France, through Syracuse University Abroad (SU Abroad). In addition, students can take advantage of the proximity of Québec, Canada, to experience the French-Canadian way of life. Furthermore, they are encouraged to enhance their knowledge of French and Francophone societies by taking related courses in African American Studies, History, Geography, International Relations, Linguistics, Philosophy, and Political Science.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in French and Francophone Studies**  
**Minor in French and Francophone Studies**

## CAREER PATHS

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*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making connections between people, knowledge of another language is also an education in your*

own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from *Great Jobs for Foreign Language Majors* by Julie DeGalan and Stephen Lambert's (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]

A student receiving a degree in French and Francophone Studies can pursue careers in teaching, foreign service, banking, public administration, international business, human services, health care, library and information sciences, consulting, publishing, marketing, translating and interpreting, journalism, teaching, federal, state, and city/county government, educational administration, business, industry, travel and tourism, and commerce. Also see the Ethnic and Area Studies list on page 116 and the Languages, Literatures, and Linguistics section on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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A degree in French and Francophone Studies prepares students to pursue graduate degrees in any number of fields, including anthropology, business, education, French, international relations, geography, law, linguistics, literature, political science, and religion.

## ADDITIONAL INFORMATION

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Students should make sure that they read *Great Jobs for Foreign Language Majors* for career suggestions, strategies, and referrals. This book, which is available for loan from the Advising and Academic Support office in 329 Hall of Languages, holds a wealth of information for language majors.

## HOME PAGE

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<http://lang.syr.edu/index.php?pgm=french&page=home>

# Geography

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## DESCRIPTION

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Geography is concerned with human and natural environmental interactions as they vary from place to place on the surface of the earth. Geography studies the complex workings of human societies and the dynamics of natural systems in places and regions. This diversity of interest, applied both domestically and internationally, cuts across the traditional division of knowledge between natural science and social science, making a particularly good base for multidisciplinary studies such as international economic and political relations, environmental management, urban and regional development, and resource conflict.

With few exceptions, the courses offered at the undergraduate level are designed not only for the geography major, but also for students who are majoring in related disciplines. Some geography courses promote the understanding of foreign areas, world cities, or of the natural environment, whereas others develop analytical skills useful in public policy and applied or academic research. Geography faculty are active in many interdisciplinary programs in The College of Arts and Sciences, such as International Relations, Policy Studies, Latino/Latin American Studies, Women's and Gender Studies, and Environmental Science. They are thus able to support and give direction to double majors, or minors, in such programs.

## CO-CURRICULAR OPPORTUNITIES

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Given the importance of fieldwork and active experiential learning in Geography, the Department strongly encourages students interested in Geography to take advantage of offerings in Syracuse University Abroad (SU Abroad).

The Geography faculty encourage students to take advantage of opportunities for internships, faculty-student research, and innovative forums of learning through field studies programs at external locations.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Geography**  
**Minor in Geography**  
**Minor in Environment and Society**

## CAREER PATHS

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Demand for Geography majors continues to increase with the private sector providing prospects in such fields as market research, location analysis, geographical information systems, digital cartography, and environmental management and monitoring. The public sector remains an important source of employment.

A major in Geography can lead to a variety of career opportunities or to various postgraduate study options. The major, for example, is a base from which the student can enter a career in planning or in environmental work. Many Geography majors are interested in careers in computer-based mapping and geographic data systems for which the Department is well equipped to provide foundation training. Teaching is another vocational choice that is popular, as is work in foreign areas, both government and private. Career alternatives include: remote-sensing interpretation and analysis, public administration, transportation planning and operations, market research; and library and information science. Additional geography-related career ideas and related resources may be found online at: <http://www.aag.org/careers> or <http://careers.geocomm.com>. Also see page 118 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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This degree provides preparation for graduate work in geography and related fields such as earth and environmental sciences, urban studies, urban and regional planning, law school, and international relations.

## HONORS AND AWARDS

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The outstanding senior majoring in Geography is recognized annually by an award from the Association of American Geographers and the National Council for Geographic Education. The Department awards book prizes (the *George B. Cressey Award* and *Preston E. James Award*) to seniors for excellence in academics and service. The Department also awards book prizes to outstanding first- and second-year students in all introductory Geography courses.

## ORGANIZATIONS/ACTIVITIES

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The Geography Department supports *Gamma Theta Upsilon*, a local chapter of the International Honor Society for Geography. The chapter has produced a newsletter and promotes social and academic activities for those interested in geography. Competitive scholarships are also available to GTU members. The Department also has an undergraduate Geography Club that hosts a Geography film series, organizes hiking and cross-country ski outings, and sponsors activities for National Geography Awareness Week.

## HOME PAGE

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<http://www.maxwell.syr.edu/geo>

# German Language, Literature, and Culture

Program Coordinator	Principal Advisor
Professor Karina von Tippelskirch	Professor Karina von Tippelskirch
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## DESCRIPTION

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Students studying German have the opportunity to study the language, literature, and culture of Germany, Austria, and Switzerland. The first two years of study emphasize the necessary listening, speaking, reading, and writing skills in combination with the development of cultural competence. Advanced courses at the 300- and 400-level offer a broad range of topics in further language study, literature, and culture. Graduate students from related fields interested in the study of German enroll in courses at the 600-level. A placement test is required for transfer students and others who have begun their study of German in high school or at home.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in German Language, Literature, and Culture**

Additional courses recommended for a German major are English, fine arts, international relations, history, linguistics and philosophy. An intensive language experience or study abroad experience through Syracuse University Abroad (SU Abroad) is highly recommended. SU has an exchange program at the Freie Universität in Berlin and one with the University in Graz, Austria.

### **Minor in German**

## CAREER PATHS

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*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making connections between people, knowledge of another language is also an education in your own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from *Great Jobs for Foreign Language Majors* by Julie DeGalan and Stephen Lambert (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]*

You may use your language skills as either a primary or ancillary skill in a variety of suggested career tracks: foreign affairs, law, banking, public administration, international business, human services, health care, library and information sciences, consulting, publishing, marketing, translating and interpreting, journalism, teaching, federal government (e.g., the Department of State, Central Intelligence Agency, The Voice of America, Immigration and Naturalization Service, Department of Defense, Peace Corps, National Endowment for the Humanities, Department of Justice, US Information Agency), state and city/county government, educational administration, business, industry, travel and tourism, and commerce. Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Graduate programs in which students with a major in German enroll include German, foreign languages, linguistics, comparative literature, information studies, international relations, and law. Related fields include disciplines in the social sciences and humanities, education, and public administration.

## HOME PAGE

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<http://lang.syr.edu/languages/German/German-index.html>

# History

Chairperson	Principal Advisor
Professor Carol Faulkner	Professor J. Scott Strickland
145 Eggers Hall	514 Eggers Hall
315.443.2594	315.443.5875
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## DESCRIPTION

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*The absence of romance in my history will, I fear, detract somewhat from its interest; but if it be judged useful by those inquirers who desire an exact knowledge of the past as an aid to the understanding of the future, which in the course of human things must resemble if it does not reflect it, I shall be content. In fine, I have written my work, not as an essay which is to win the applause of the moment, but as a possession for all time. — Thucydides*

*History is one damn thing after another. — Henry Ford*

*Why study history? To know what it is to live; to know how others have thought and lived; to know why society and the world are the way they are: thus to help us forge our own lives and by so doing, make history itself. — Gordon Chang, Stanford University*

*History is empowering for me. It inspires me in a variety of ways. Most importantly, it continually enriches my understanding of the struggles and accomplishments of African Americans. . . . Investigation into the past, thus, has allowed me to understand the present. — Patricia Reid, University of Iowa*

As these quotations indicate, history means different things to different people. But perhaps all would agree that history (like travel abroad) provides an essential means for understanding where we humans have come from and where we are going.

History majors learn to experience and to understand the past from ancient to modern times: what has been thought, said, and done. They also learn to consider the values and perspectives of the recorders of the past, for history is about humanity's recollection of itself, not just about "facts." History students explore not only the events of the past, but how they were shaped by such factors as politics, religion, culture, economics, geography, and technology; and how these factors influence our own lives.

There are very practical reasons for majoring in History. A History major prepares you for work in the large variety of fields in which the ability to write well and think clearly are important. History provides rigorous training in research, writing, analytical, and conceptual skills, which are useful in all disciplines and careers.

## CO-CURRICULAR OPPORTUNITIES

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Majoring in History is a great way to study a variety of other disciplines. History courses are cross-listed with courses in anthropology, Latino-Latin American studies, political science, women's

and gender studies, classics, and African-American studies, among others. Majors are encouraged to improve their writing, and to achieve a proficiency in at least one foreign language.

All History majors take a research seminar, in which they undertake a substantial research project under close faculty supervision.

Undergraduates studying in History are also strongly encouraged to study abroad and/or to pursue an internship through the Internship Services program in the Center for Career Services (for credit) or independently; internships help students explore initial career options and develop further "evidence" of the skills developed by the major.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in History Minor in History**

## CAREER PATHS

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According to Julie DeGalan and Stephen Lambert in *Great Jobs for History Majors*, "History is about making connections: across curriculums, nations, and racial, ethnic, and economic borders. It is a way of looking at humankind, at events, at whatever task you have in front of you that requires analysis, perceptiveness, accuracy, curiosity, and care." They continue,

*For history, more thoroughly than any other of the liberal arts degrees, accomplishes two significant learning outcomes: The first is technique: research, reading, analysis, writing, and speaking. The second is a greater appreciation of yourself and the human community, its wonderful diversity and expression. The applicability and vitality of history as a career preparation is assured if you take every advantage of your degree preparation. Most of the skills listed here require practice and sheer hard work. [pp. x-xi]*

History prepares students for the wide variety of fields in which the ability to write well and think clearly is important. Graduates from the History Department have a good preparation for careers in teaching, research, government service, business, historical preservation, museum management, archives, and information specialization. Students of history often elect to pursue related careers in law, journalism, public administration, social work, library science, the ministry, and business. Also see page 118 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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In general, graduate study in history is limited to those who wish to work in an aspect of the historical profession. Typically, other students who wish to further their education enroll in programs in law, public administration, international relations, museum studies, education, library science, information studies, and management.

## HONORS AND AWARDS

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The *Hotchkiss Prize*, for the graduating History major with the highest GPA in History.

The *Ralph Ketcham Prize*, for the graduating History major who best combines academic achievement in History with contribution to the life of the History Department.

The *Bernice Hogan Prize*, to the writer of the best undergraduate research paper in History.

The *Frederick Marquardt Prize*, for the graduating senior with the best Distinction in History thesis.

Wortman-Elman Scholarships of up to \$700 for students to travel to archives and libraries to conduct primary research.

## ORGANIZATIONS/ACTIVITIES

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*Phi Alpha Theta*, the History club and National Honor Society, organizes lectures, films, and other events. Undergraduates participate in Department life by serving on committees. History majors produce annually the journal, *Chronos*, which showcases the finest undergraduate work in the Department each year.

## ADDITIONAL INFORMATION

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Please see *Great Jobs for History Majors* and *Careers for History Buffs and Others Who Learn From the Past* for more career ideas, resources, and referrals.

## HOME PAGE

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<http://www.maxwell.syr.edu/hist>

# History of Architecture

Program Coordinator	Principal Advisor
Professor Wayne Franits	Professor Wayne Franits
308 Bowne Hall	308 Bowne Hall
315.443.4184	315.443.5038
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## DESCRIPTION

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The History of Architecture program offers comprehensive study of major architectural periods and styles through the examination of works of architecture in the cultural, economic, political, religious, and artistic contexts of their eras.

## CO-CURRICULAR OPPORTUNITIES

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Students majoring in the History of Architecture are encouraged to obtain internships with one of the city's architectural preservation organizations.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in History of Architecture**

Requirements include 30 credits of upper-division courses in art history, at least 12 of which must be in the History of Architecture. A maximum of 18 of these 30 credits may be chosen from courses taught within the School of Architecture.

### **Minor in History of Architecture**

## CAREER PATHS

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Students have gained employment in the fields of urban planning, historic preservation, museum work, librarianship, and arts communications. Elective courses in public affairs, political science, and history are useful. Also see page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Architecture and Architectural History.

## HOME PAGE

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[http://coursecatalog.syr.edu/2010/programs/history\\_of\\_architecture](http://coursecatalog.syr.edu/2010/programs/history_of_architecture)

# International Relations

Chairperson	Principal Advisor
Professor Mary Lovely	Professor Francine D'Amico or Kristine Clay
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## DESCRIPTION

The International Relations (IR) major offers an interdisciplinary program in the social sciences designed to prepare students for international career opportunities as well as further academic or professional study. The major consists of eleven (11) courses, thirty-three (33) credits, plus language study. Academic coursework includes:

- 1) Three foundation courses: one each in political science, economics, and global culture/community: PSC 124 international Relations or PSC 139 International Relations (Honors); ECN 203 Economic Ideas & Issues; and either MAX 132 Global Community or ANT 185 Global Encounters;
- 2) Eight advanced (upper level/above 300) courses, including:
  - three courses on one **geographic region** of the student's choice—Africa, Asia, Latin America and Caribbean, Europe, or the Middle East; and
  - three courses on one **topic area** of the student's choice—International Law and Organizations; International Political Economy; Intercultural Communication; or International Security and Diplomacy; and
  - one elective course in International Relations (any topic or region) and one 400-level or higher capstone experience combining the student's topic and geographic areas of concentration, such as an internship abroad or in our Maxwell-in-Washington International Relations semester, a senior seminar, or an Honors project in the Renee Crown University Honors Program.
- 3) One skill area: training in a contemporary spoken language other than English to at least the intermediate level of proficiency (Course IV/202).

## CO-CURRICULAR OPPORTUNITIES

First-year students have the option of enrolling in the International Relations Learning Community (IRLC), a residential living/learning program with a focus on contemporary international affairs. IRLC field seminars include site visits to United Nations headquarters in New York City and to the Canadian Parliament in Ottawa, Ontario, Canada, among other activities. For more information, please see our IRLC webpage at <http://www.maxwell.syr.edu/IRLC.aspx>

Advanced students may apply to the Maxwell-in-Washington International Relations Undergraduate Semester Program, consisting of international policy seminars and internships in the nation's capital. This program is offered in both the Fall and Spring semesters and is recommended for seniors who are ready to launch their careers with a real-world experience or

for juniors who have completed all lower-division requirements. For additional information, please see [http://www.maxwell.syr.edu/ir/globalprogramspages/ugir\\_max\\_in\\_DC.aspx](http://www.maxwell.syr.edu/ir/globalprogramspages/ugir_max_in_DC.aspx) or contact the Maxwell-in-Washington program coordinator at [global@maxwell.syr.edu](mailto:global@maxwell.syr.edu)

Students are encouraged to take additional coursework in language study and global economics, and are expected to study abroad in programs offered by Syracuse University Abroad (SU Abroad), such as our SU Abroad Centers in Santiago, Chile; Beijing or Hong Kong, China; Strasbourg, France; London, United Kingdom; Florence, Italy; Madrid, Spain; Istanbul, Turkey, or one of our many "World Partners" programs in other locations. For more information on study abroad programs, see the SU Abroad homepage at <http://suabroad.syr.edu/> For information on courses offered abroad specifically in the International Relations major, please see [http://www.maxwell.syr.edu/ugir\\_study-abroad.aspx](http://www.maxwell.syr.edu/ugir_study-abroad.aspx)

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in International Relations**

#### **Minor in Global Political Economy**

The minor in Global Political Economy (GPE) is an interdisciplinary program in the social sciences designed to help students explore the economic, political, and cultural dimensions and implications of globalization in contemporary international relations. The minor consists of six (6) courses, eighteen (18) credits, including PSC 124 International Relations or PSC 139 International Relations (Honors), GEO 273 World Political Economy, and four (4) courses in the International Political Economy topic area numbered 300 or above, one each in Economics, Geography, and Political Science, and one in any social science discipline.

## CAREER PATHS

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The undergraduate major in International Relations provides a foundation for careers in public diplomacy and international law; intergovernmental organizations such as the United Nations, as well as non-governmental, non-profit organizations, such as Amnesty International or Human Rights Watch; research and consulting; international business, finance, and banking; international development and education; and journalism/media. See our "International Relations Careers" page at <http://www.maxwell.syr.edu/ir/ircareers.asp> Print career resources are available in the international Relations Program Office Student Resource Center, 225 Eggers Hall. For additional information, see also page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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The student with an undergraduate degree in International Relations is prepared to pursue graduate study in a number of areas, including law, management, social sciences, and international relations. For more information on graduate degree programs in International Relations, please see the Association of Professional Schools of International Affairs homepage at <http://apsia.org/apsia/index.php>

## HONORS AND AWARDS

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Each year the International Relations program staff identify four students majoring in International Relations to receive awards for outstanding academic performance and special contributions to the undergraduate program:

The *G. Matthew Bonham "Scholar of the Year" Award* is given annually to a graduating senior for academic excellence in International Relations and for the difficulty of the chosen curriculum. This award honors Professor G. Matthew Bonham, an internationally recognized scholar in the field, who served as Director of the International Relations Program from 1992 until 2009.

The *Goodwin Cooke Leadership Award* is given annually to a graduating senior who has exhibited leadership in the activities of the International Relations program. This award honors Ambassador and Professor-of-Practice Goodwin Cooke, who served as Director of Undergraduate Studies in International Relations at Syracuse University from 1991-2004, following a distinguished career as a US Foreign Service officer.

The *Julian R. Friedman Internationalism Award* is given annually to a graduating senior for outstanding academic achievement, community involvement, and a commitment to the spirit of internationalism which Professor Friedman's life represented. Dr. Friedman taught in the Political Science Department at the Maxwell School and was active with human rights organizations, including the American Civil Liberties Union (ACLU).

The *Harlan Cleveland Policy Award* for excellence in international policy issues is given annually to a graduating senior for academic achievement and enthusiastic involvement in international policy issues which Harlan Cleveland's career represented. Dr. Cleveland served as Dean of the Maxwell School of Citizenship and Public Affairs, and was formerly US Assistant Secretary of State and US Ambassador to NATO.

## ORGANIZATIONS/ACTIVITIES

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The Syracuse University Alpha Chi chapter of the national honor society for International Relations majors, *Sigma Iota Rho*, provides a forum for discussion of international issues, graduate degree programs, career opportunities, and other activities. For more information, see <http://www.maxwell.syr.edu/SIGMA.aspx>

The International Relations program and *Sigma Iota Rho* sponsor student participation in the National Model United Nations conference, held at United Nations headquarters in New York City each spring, as well as other student conferences on international affairs. For more information, see <http://www.maxwell.syr.edu/MUN.aspx>

## HOME PAGE

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<http://www.maxwell.syr.edu/ugirprogram.aspx>

# Italian Language, Literature, and Culture

Program Coordinator	Principal Advisor
Professor Beverly Allen	Professor Beverly Allen
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<a href="mailto:ballen@syr.edu">ballen@syr.edu</a>	<a href="mailto:ballen@syr.edu">ballen@syr.edu</a>

## DESCRIPTION

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Students taking Italian acquire proficiency in the language and a broad knowledge of Italian literature and culture. Beginning courses are intensive and aim at developing, from the start, proficiency in speaking, writing, and reading Italian. The other language courses are structured to meet the same objectives at varying levels of difficulty. Literature courses deal with major medieval and Renaissance writers and the program includes several other courses in the 19<sup>th</sup> and 20<sup>th</sup> centuries, including courses on film. Students also have the opportunity to take Italian courses taught in English under the LIT prefix. These courses are available to both majors (maximum two courses) and minors (one course).

## CO-CURRICULAR OPPORTUNITIES

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A semester abroad in Florence, through Syracuse University Abroad (SU Abroad), is highly recommended.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Italian Language, Literature, and Culture**  
**Minor in Italian**

## CAREER PATHS

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*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making connections between people, knowledge of another language is also an education in your own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from *Great Jobs for Foreign Language Majors* by Julie DeGalan and Stephen Lambert (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]*

You may use your language skills as either a primary or ancillary skill in a variety of suggested career tracks: foreign affairs, law, banking, public administration, international business, human services, health care, library and information sciences, consulting, publishing, marketing, translating and interpreting, journalism, teaching, federal government (e.g., the Department of State, Central Intelligence Agency, The Voice of America, Immigration and Naturalization Service, Department of Defense, Peace Corps, National Endowment for the Humanities, Department of Justice, US Information Agency), state and city/county government, educational administration,

business, industry, fashion, travel and tourism, and commerce. Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Related fields of graduate study include languages and literature, disciplines in the social sciences and humanities, and education.

## ADDITIONAL INFORMATION

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Students who have had more than two years of Italian in junior high and/or high school are required to take a placement exam before they register for any Italian courses. Failure to do so will invalidate the credits they receive in the Italian courses they take. The exam is given every Fall and Spring semester prior to registration.

Students should make sure that they read *Great Jobs for Foreign Language Majors* for career suggestions, strategies, and referrals. This book, which is available for loan from the Career Exploration Services office in 329 Hall of Languages, holds a wealth of information for language majors.

## HOME PAGE

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<http://lang.syr.edu/italian.htm>

# Latino-Latin American Studies

Program Director	Principal Advisor
Professor Myrna García-Calderón (Interim)	Professor Gerald R. Greenberg (Interim)
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## DESCRIPTION

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The Latino-Latin American Studies program allows students to concentrate their studies on the culture, history, and development of the region and peoples of Latin America and US Hispanic communities. A wide range of faculty from several departments and with complementary perspectives provides a stimulating entry into the interrelated worlds of Latin America and the United States. Students can explore the economic challenges and opportunities, political strategies, geographic realities, social change, as well as literatures and cultures of Latin American societies and US Hispanic communities. The study of Spanish language is recommended for majors.

The interdisciplinary approach to Latino-Latin American Studies permits individual programs of study to be shaped through advising to reflect the specific interests and objectives of students.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Latino-Latin American Studies**  
**Minor in Latin American Studies**

## CAREER PATHS

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Many employers recognize the increasing economic and political importance of Latin America and the influence of growing Hispanic populations in the United States. As a result, these employers, which range from business to social services to media to education, wish to hire employees who are fluent in Spanish and/or Portuguese and who have knowledge of and sensitivity to Latin American and Latino cultures. Latino-Latin American Studies majors develop the skills and knowledge that employers need to build effective working relationships with Latin American nations and Latino communities. While studying the major, students develop their communication skills, intercultural sensitivities, awareness of history, understanding of social and political forces, and analytical skills.

Accomplished students who major in Latino-Latin American Studies may pursue careers in government, including the US Foreign Service; international business; newspapers, radio, and television stations which serve the Latino communities; banking; the music industry; education; and social service agencies. Also see the Ethnic and Area Studies list on page 116 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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A background in Latino-Latin American Studies serves as a strong foundation for graduate study in communications, economics, history, literature, languages, law, geography, international relations, Latin American and Caribbean Studies, management, political science, and sociology.

## HOME PAGE

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<http://llas.syr.edu>

# Linguistic Studies

Program Director	Program Coordinator
Professor Gerald R. Greenberg	Professor Jon Nissenbaum
441 Hall of Languages	309 H. B. Crouse Hall
315.443.1414	315.443.5378
<a href="mailto:ggreenbe@syr.edu">ggreenbe@syr.edu</a>	<a href="mailto:jnissenb@syr.edu">jnissenb@syr.edu</a>

## DESCRIPTION

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The major in Linguistic Studies allows students to study observable language behavior (i.e., pronunciation and sentence structure) as an aid to understanding the unobservable behavior of the human mind. Students become aware of the immense complexity of human mental activity and can learn that an understanding of the inner workings of the mind leads to solutions of linguistic, personal, and social problems. A wide variety of language-related studies and specializations in the field of linguistics are offered among various Syracuse University departments. These departments include: Anthropology; Child and Family Studies; Cognitive Science; Communication and Rhetorical Studies; Communication Sciences and Disorders; Computer Science; English; Languages, Literatures, and Linguistics; Geography; Mathematics; Philosophy; Psychology; and Sociology. The goals of this program are: 1) to provide an opportunity for the student to explore interdisciplinary interests, and 2) to provide the student with a broad linguistic and language-related background.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Linguistic Studies**  
**Minor in Linguistic Studies**

## CAREER PATHS

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Linguistics is a useful preparation for careers in teaching, translation, natural language processing, and information science. Graduates of this program also gain employment in areas of social research, government intelligence work, and library science. For further information, see *Careers in Linguistics*, edited by Mary M. Niebuhr, ERIC Clearinghouse, Linguistic Society of America. Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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This program provides a solid background for graduate work in linguistics and related fields such as information studies, literature, language, philosophy, psychology, and speech pathology. (For additional details, see the brochure of the Linguistic Studies Program, which may be obtained from the staff of the Department of Languages, Literatures and Linguistics in 340 H. B. Crouse Hall.)

## HOME PAGE

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<http://lang.syr.edu/languages/Linguistics/Linguistics-index.html>

# Mathematics

Chairperson	Principal Advisor (A-M)	Principal Advisor (N-Z)	Minor Advisor
Prof. Eugene Poletsky	Prof. Daniel Zacharia	Prof. Andrew Vogel	Prof. Uday Banerjee
215 Carnegie Library	229C Physics Building	229F Physics Building	206B Carnegie Library
315.443.1472	315.443.1580	315.443.1584	315.443.1460
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## DESCRIPTION

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The ability to reason logically and express ideas quantitatively, as well as knowledge of mathematical techniques and some theory, have been everyday tools in many modern careers. Literacy in a modern society includes mathematical literacy. A major in Mathematics enables the student to develop these abilities and acquire such knowledge. Most of the important topics in classical and modern, pure and applied mathematics can be studied within this curriculum. Various courses offered by the Department hold particular interest for and/or are addressed to students in natural sciences, computer sciences, social sciences, architecture, engineering, education, and management.

## CO-CURRICULAR OPPORTUNITIES

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Mathematics majors have opportunities to gain experience in actuarial science and biostatistics through the Internship Services program in the Center for Career Services.

## MAJORS (AND MINORS) OFFERED

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As a preliminary requirement for the Mathematics and Applied Mathematics major, students must complete 18 credit hours, consisting of 12 credit hours in calculus, MAT 275 and MAT 331, with no grade below C. (MAT 284, 285, 286 are not permissible toward this requirement).

### **Bachelor of Arts in Mathematics**

In addition to the preliminary requirement, students are required to complete, with an overall grade point average of at least 2.0, MAT 412 and an additional 15 credits in courses numbered 490 or higher, including at least one of the following: MAT 512, 517, 518, 525, 526, 531, 534, 541, 554, 572, MAT/CIS 545. The selection of courses must be approved in advance by a Mathematics major advisor. No grade below D is acceptable.

### **Bachelor of Science in Mathematics**

In addition to the preliminary requirement, students are required to complete, with an overall grade point average of at least 2.0, MAT 412, 512 (analysis sequence); MAT 531, 534 (algebra sequence); MAT 521; at least one of MAT 514 or MAT 551; and an additional 12 credits in courses numbered 490 or higher, chosen under advisement with a Principal Advisor in the Department of Mathematics. No grade below D is acceptable. Of the additional 12 credits, 6 credits may be in approved advanced courses in other departments. To receive the B.S. degree, students must petition The College of Arts and Sciences.

## **Bachelor of Arts in Applied Mathematics**

In addition to the preliminary requirement, students are required to complete, with an overall grade point average of at least 2.0, a course in computing such as CPS 196, ECS 102 or ECS 104 and two sequences of two approved science courses outside of the mathematics department, such as BIO 121-123, CHE 106(107)-116 (117), PHY 211(221)-212(222), ECN 203-302, ECN 203-311, ECS 221-222, ELE 231-232 or another, more advanced sequence with the approval of a mathematics major advisor. This requirement is waived if a student earns either (i) a minor in Applied Statistics, Biology, Chemistry, Computer Science, Economics, Engineering disciplines, Information Management & Technology, or Physics, or (ii) a major in one of natural sciences, engineering/technology disciplines, economics or finance.

In addition to the preliminary and extra-disciplinary requirements described above, students are required to complete, with an overall grade point average of at least 2.0, MAT 514, MAT 532 (or 531), MAT 581, and an additional 9 credits in courses numbered 390 or higher, chosen under advisement with a Principal Advisor in the Department of Mathematics. No grade below D is acceptable. Of the additional 9 credits, 3 credits may be in approved advanced courses in other departments.

## **Bachelor of Science in Applied Mathematics**

In addition to the preliminary requirement, students are required to complete, with an overall grade point average of at least 2.0, a course in computing such as CPS 196, ECS 102 or ECS 104 and two sequences of two approved science courses outside of the mathematics department, such as BIO 121-123, CHE 106(107)-116 (117), PHY 211(221)-212(222), ECN 203-302, ECN 203-311, ECS 221-222, ELE 231-232. or another, more advanced sequence with the approval of a mathematics major advisor. This requirement is waived if a student earns either (i) a minor in Applied Statistics, Biology, Chemistry, Computer Science, Economics, Engineering disciplines, Information Management & Technology, or Physics, or (ii) a major in one of natural sciences, engineering/technology disciplines, economics or finance.

In addition to the preliminary requirement, students are required to complete, with an overall grade point average of at least 2.0, MAT 412, MAT 514, MAT 517, MAT 521, MAT 532 (or 531), and an additional 12 credits in courses numbered 490 or higher, chosen under advisement with a Principal Advisor in the Department of Mathematics. No grade below D is acceptable. Of the additional 12 credits, 9 credits may be in approved advanced courses in other departments. To receive the B.S. degree, students must petition The College of Arts and Sciences.

## **Dual Degree Program**

A dual degree program with the School of Education is available for those students planning a teaching career in secondary education mathematics.

## **Minor in Mathematics**

The minor in Mathematics requires the completion of 21 credits with a grade point average of 2.0 or better. Students complete a 15-credit core that includes 12 credits of calculus (MAT 284, 285, 286 are NOT permissible toward this requirement) and either MAT 331 (recommended) or MAT 485. In addition, students select 6 credits in one of the following subject areas:

Algebra: MAT 531 and one course chosen from MAT 534, 541, or MAT/CIS 545

Analysis: Any two courses chosen from MAT 511, 512, 513, 562 (Note: MAT 512 has prerequisites MAT 275 and MAT 412; and MAT 562 has prerequisites MAT 275 and MAT 512.)

Applied Mathematics: Any two courses chosen from MAT 517, 518, 532

Differential Equations: MAT 514, 517 (Students who take MAT 485 instead of MAT 331 may not use the differential equations sequence to satisfy minor requirements.)

Geometry: MAT 531, 551 or MAT 531, 554

Probability and Statistics: MAT 521, 525 or MAT 521, 526

## CAREER PATHS

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A mathematics background is essential for positions related to actuarial science, applied mathematics, statistics, operations research, computer and information science, engineering, and computer applications, and for teaching mathematics at the secondary school and community college levels.

At many colleges, mathematicians teach computer science as well as mathematics. At universities, mathematicians generally engage in research and direct Ph.D. theses in addition to the usual undergraduate and graduate teaching. Other related careers for mathematics students include the use of mathematics in biology, medicine, management, linguistics, and the social sciences—particularly economics and psychology. The federal government employs mathematicians in many departments including the Census Bureau and the National Security Agency. Also see page 120 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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A B.S. degree in Mathematics provides a strong foundation for graduate study in pure or applied mathematics, computer and information science, mathematics education, operations research, statistics, and related physical sciences. A reading knowledge of at least one of the languages French, German, or Russian is often required for the Ph.D. in mathematics.

## ADDITIONAL INFORMATION

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The following Web site provides some useful insights on employment opportunities for mathematicians. It is maintained by the American Mathematical Society:

<http://www.ams.org/employment/undergrad.html>

General information for undergraduates majoring in Mathematics:

<http://www.maa.org/students/undergrad> Information for undergraduates interested in

Applied Mathematics:

<http://www.siam.org/careers/thinking.php>

Information for Mathematics majors interested in being an actuary:

<http://www.beanactuary.org>

## HOME PAGE

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<http://math.syr.edu>

# Middle Eastern Studies

Program Director	Principal Advisor
Professor Mehrzad Boroujerdi	Professor Mehrzad Boroujerdi
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## DESCRIPTION

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The major in Middle Eastern Studies permits students to engage deeply with the societies, histories, cultures, languages, and politics of this dynamic region. Drawing on an array of interdisciplinary offerings from departments across the University, Middle Eastern Studies provides students with a broad and firm foundation in the field, and in the humanities and social sciences more generally, while still allowing for a great deal of customization based on individual interests. In addition to constructing a curriculum from the list of affiliated classes on the program's website, undergraduates are encouraged to supplement their coursework through studies in related fields, independent projects, and time abroad. Students of the program will graduate with the tools necessary to pursue further education or careers in a variety of spheres, as well as with specific and highly-valued expertise in one of the most dynamic and quickly growing fields of study.

## CO-CURRICULAR OPPORTUNITIES

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Middle Eastern Studies students are strongly encouraged to take advantage of the numerous study abroad opportunities offered by the program in conjunction with SU Abroad. Through either the World Partner Program or independent providers, we currently sponsor exchanges with universities in Lebanon, Egypt, Morocco, Turkey, Israel and the West Bank. (Other destinations are also possible.)

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Middle Eastern Studies**

The B.A. requires three core courses (including a senior seminar), at least two lower-division and three upper-division electives from the list of approved classes, and three consecutive semesters of a relevant regional language (Arabic, Hebrew, Persian, or Turkish).

### **Minor in Middle Eastern Studies**

## CAREER PATHS

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In recent years, Middle Eastern Studies has become an extraordinarily relevant and dynamic field, yet one that still lacks the needed quantity of experts with language skills and regional understanding to meet the demands of the United States government, non-profit organizations, and the private sector. Knowledge of any of the region's critical languages will prove immensely valuable in many capacities, and there is a wide array of government-sponsored programs,

grants, and fellowships—not to mention full-time jobs—available for those who choose to pursue this course of study. Expertise in Middle Eastern Studies also provides an excellent supplement to careers in many other fields including law, politics, and business. Also see the Ethnic and Area Studies list on page 117 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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A degree in Middle Eastern Studies most directly prepares students for graduate work in regional studies, but is also a useful background for further education in law, history, political science, geography, management, business, international relations, and many of the humanities.

## HONORS AND AWARDS

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Students can receive *Distinction in Middle Eastern Studies* by completing the major with a minimum GPA of 3.5; having successfully completed a regional language at the 202 level; having registered for MES 495 ("Thesis Preparation", 3 credits) and having successfully defended a 60- to 70-page thesis before two Middle Eastern Studies faculty members. Students who wish to earn Distinction in Middle Eastern Studies may also earn University Honors, but the achievement of University Honors does not guarantee Distinction in Middle Eastern Studies. Likewise, the same thesis project may be used both to earn Distinction in Middle Eastern Studies and to fulfill the thesis requirement of University Honors, but it must meet the separate requirements of each program.

The Middle Eastern Studies Program holds an annual essay contest for undergraduate students. The *Hasan Abdullah Yabroudi Prize* will be awarded to the best essay dealing with any aspect of the Middle East written by an undergraduate student enrolled at Syracuse University. The author of the winning paper will be presented with a certificate and a cash stipend.

## ADDITIONAL INFORMATION

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Information about internships, as well as domestic and overseas language study programs, is available on the Middle Eastern Studies website.

## HOME PAGE

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<http://middle-eastern-studies.syr.edu>

# Modern Foreign Languages

Program Coordinator	Principal Advisor
Professor Gerald R. Greenberg	Professor Gerald R. Greenberg
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## DESCRIPTION

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This program requires the completion of 36 credits in courses numbered above 299, 18 in each of two languages chosen from among French, German, Italian, Russian, and Spanish; the remaining courses will be approved by the Principal Advisor.

## CO-CURRICULAR OPPORTUNITIES

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The Department of Languages, Literatures and Linguistics encourages its students to study abroad in England, Italy, France, Russia, or Spain through Syracuse University Abroad (SU Abroad).

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Modern Foreign Languages**

## CAREER PATHS

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*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making connections between people, knowledge of another language is also an education in your own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from *Great Jobs for Foreign Language Majors* by Julie DeGalan and Stephen Lambert (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]*

You may use your language skills as either a primary or ancillary skill in a variety of suggested career tracks: foreign affairs, law, banking, public administration, international business, human services, health care, library and information sciences, consulting, publishing, marketing, translating and interpreting, journalism, teaching, federal government (e.g., the Department of State, Central Intelligence Agency, The Voice of America, Immigration and Naturalization Service, Department of Defense, Peace Corps, National Endowment for the Humanities, Department of Justice, US Information Agency), state and city/county government, educational administration, business, industry, travel and tourism, and commerce. Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Related fields of graduate study include languages and literatures, disciplines in the social sciences and humanities, and education.

## ADDITIONAL INFORMATION

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Students should make sure that they read *Great Jobs for Foreign Language Majors* for career suggestions, strategies, and referrals. This book, which is available for loan from the Advising and Academic Support office in 329 Hall of Languages, holds a wealth of information for language majors.

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<http://lang.syr.edu>

# Neuroscience

Program Director	Curriculum Advisor
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## DESCRIPTION

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Neuroscience is a 24-credit Integrated Learning Major (ILM) that can be combined with majors in Biology, Communication Sciences and Disorders (CS&D), Linguistics, Philosophy, Physics, and Psychology; and with two majors in the L.C. Smith College of Engineering and Computer Science: Bioengineering and Chemical Engineering. Neuroscience is a core interdisciplinary field of research, providing an excellent complement to undergraduate training in the base majors. Elective coursework allows for pursuit of interest in a broad variety of departments, reflecting the diverse fields that constitute contemporary neural science. Like all ILMs, Forensic Science includes a capstone project where students make contacts with practitioners in their field and then present their findings.

### Required Entry Courses (3 credits)

- Introduction to Neuroscience (BIO 211)  
-or-  
Biopsychology (PSY 223, pre-req PSY 205)

### Required Courses: Intersection of Mind and Brain (9 credits)

- Cognitive Psychology (PSY 322, pre-req PSY 205)  
-or-  
Introduction to Cognitive Science (COG 301)
- Cognitive Neuroscience of Speech and Language (CSD 409)
- Advanced Neuroscience (BIO 407)

### Elective Courses

Six credits chosen from a list of approved courses (see web link below). Two courses must be thematically related to one another and from fields other than the student's primary major. Courses with the same prefix are presumed to be thematically related. Other courses may be paired as thematically related with permission of the student's advisor.

### Required Capstone Course

- Neuroscience in the Arts, the Sciences, and Society (PSY 496)

## CAREER PATHS

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Training in Neuroscience may facilitate career paths in academia, or in industry in the fields of biotechnology, pharmaceuticals or medical technology.

## GRADUATE STUDY

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Depending on the area of emphasis, undergraduate training in Neuroscience may prepare students for M.S. or Ph.D. programs in Neurobiology, Cognitive Neuroscience, or Cognitive Science.

## HOME PAGE

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[http://as-cascade.syr.edu/students/undergraduate/ilm/neuro\\_sci/index.html](http://as-cascade.syr.edu/students/undergraduate/ilm/neuro_sci/index.html)

# Philosophy

Chairperson	Principal Advisor
Professor Thomas McKay	Professor Mark Heller
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## DESCRIPTION

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Using reason and argument, philosophers seek to answer the most fundamental of questions: What am I? What can I know? What must I do? How should I live? Am I free? They ask foundational questions about nearly every aspect of human thought and activity. Philosophy is an active field of current research that has a tradition reaching back thousands of years. The undergraduate study of philosophy at Syracuse University covers both its contemporary and historical aspects.

Students in the major are required to take a course in logic and courses from the core areas of philosophy:

- \* metaphysics and theory of knowledge
- \* ethics and value theory
- \* history of philosophy
- \* philosophy of language, logic, and philosophy of science

Students also enroll in one section of PHI 401, Seminar for Philosophy Majors, which provides a unique opportunity for probing discussion of a philosophical topic with a faculty member and a small group of fellow students in the major.

The study of philosophy is perhaps the most liberal of the liberal arts, an ideal way to participate in the life of the mind. It expands one's imagination and deepens one's understanding of culture and its history. It also develops skills for many careers and professions: the careful analytical reading of texts; the construction and evaluation of reasoning; and the writing of clear, effective prose. An undergraduate Philosophy major is excellent preparation for graduate study, law school, government service, or a career in business or industry.

Many Philosophy majors at Syracuse University combine their study with a major or minor in another discipline; combined majors with Political Science, English and Textual Studies, Psychology, or with one or another major in Public Communications (Newhouse) are especially common, but a 30-credit major in Philosophy can be usefully combined with any major within or outside The College of Arts and Sciences.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Philosophy**  
**Minor in Philosophy**

## CAREER PATHS

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It has long been recognized that a vigorous liberal education is a valuable preparation for careers in public relations, business, government, communications, information management, publishing, and education. The perspectives, intellectual flexibility, critical abilities, and verbal skills acquired in majoring in Philosophy are particularly relevant to such careers. Also see page 120 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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It will surprise no one to hear that a major in Philosophy is the best way to prepare for admission to a high-quality doctoral program in Philosophy, and thus for a career as a teacher and writer of philosophy. It will, however, surprise most people to learn that the percentage of Philosophy majors applying to *medical school* who are admitted is greater than the corresponding percentage for science majors. In one typical year, 56.3% of the Philosophy majors who applied were admitted; 45.7% of those with majors in the various sciences were admitted. Equally startling figures can be found for how well Philosophy majors score on admissions tests for law school (the LSAT), graduate business school (the GMAT), and graduate school in the liberal arts and sciences (the GRE). Students with a Philosophy major score, on average, higher than students with any other major on the verbal part of the GRE. They are the second highest major group in average scores on the GMAT (scoring well above those with majors in business subjects) and the third highest major group in average scores on the LSAT (scoring well above other typical pre-law majors such as political science, government, psychology, or history). One cannot conclude that a major in Philosophy will prepare one better for these tests than most other majors. The student who will both choose a Philosophy major and take these exams is probably, independently of his or her studies in philosophy, a successful and intellectually motivated student. The point is that preparation for many practical professional careers, even those requiring post-baccalaureate education, is perfectly compatible with majoring in Philosophy. Philosophy majors with practical career interests in other fields have not been disadvantaged by their choice of major, and many have been helped by it. For most students, the crucial question about majoring in Philosophy should be: Do I have a strong desire to find out what questions philosophers ask and to pursue the answers?

## HONORS AND AWARDS

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*The Peterfreund Award* is awarded annually for outstanding academic performance in Philosophy.

## ORGANIZATIONS/ACTIVITIES

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The Department has an active program of visiting speakers throughout the year open to all members of the University community, and majors are encouraged to attend. The Philosophy Seminar Room and Library (538 HL) is located next to the Department office (541 HL) and is available to Philosophy students for quiet study when not in use for a scheduled event. The Common Room (539 HL) is open for all who are interested in informal philosophical discussion.

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<http://philosophy.syr.edu>

# Physics

Chairperson	Director of Undergraduate Studies
Professor Peter Saulson	Professor Steven Blusk
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## DESCRIPTION

---

Physicists seek a fundamental understanding of nature and apply this understanding in a variety of endeavors, including teaching, medicine, law, engineering and other technical fields, and private and academic research. While obtaining a degree in Physics, students learn how to solve complex technical problems using the scientific principles and mathematical techniques used by physicists. Physics has enjoyed extraordinary success in describing space, time, and motion (e.g., Newton's mechanics, Einstein's relativity, and chaos), and elementary particles and fields (e.g., quantum mechanics, electricity, magnetism). But the interests of contemporary physicists span many topics, including astrophysics, biophysics, and condensed matter physics. In these fields, physicists discovered the "big bang" of the creation of the universe, developed new approaches for studying biomolecules, discovered superconductivity, invented the transistors and integrated circuits underlying modern electronics, and devised the World Wide Web. Physicists use a variety of tools, including small- and large-scale laboratory equipment or observatories, computer simulations, and mathematical analysis.

## CO-CURRICULAR OPPORTUNITIES

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One of the great strengths of the Physics undergraduate program at Syracuse is the opportunity for students to participate in the thriving research of the Department. Students are occasionally co-authors on scientific papers; and financial support is often available, especially for summer research at Syracuse or other locations. In addition, students often co-teach introductory courses, gaining team experience and solidifying their physics knowledge. SU has an active chapter of the Society of Physics Students, which sponsors activities and trips.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Physics**

The B.A. in Physics is intended for students with many career objectives; those who complete this program pursue research, teaching, engineering, computer, biomedical, and many other careers. Fifteen credits of specific, lower-division courses in Physics are required; 15 additional credits in Physics are also required, with selections ranging from relativity to biophysics to astrophysics.

### **Bachelor of Science in Physics**

The upper-division course requirements for this degree are modeled upon the recommendations of the American Physical Society for students planning to enter graduate school in physics and other science and engineering fields. This degree is also preparation for jobs where more technical knowledge and problem solving ability are required.

### **Bachelor of Science in Physics (Biological and Medical Physics Option)**

This intensive, interdisciplinary program is designed for students who are adept at the mathematical, problem-solving and conceptual aspects of physics, and who are interested in careers in biology, biological physics, medical physics, or medicine. The course sequence and variations meet the general prerequisites for medical school admission, and also pertain to careers in most of the other health professions.

### **Minor in Physics**

## CAREER PATHS

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Physics majors who enter the job market immediately upon graduation find many career opportunities that typically pay well; the average salary for a new bachelor's degree recipient as of July 2006 was \$41,691. High technology companies involved in computers, semiconductors, and aerospace hire many Physics majors; Physics majors also find employment in science teaching, environmental and science journalism, manufacturing, and many other areas. Employers value the deep understanding of fundamentals and the skillful approach to problem solving which the study of Physics cultivates. Physics majors have proven themselves particularly able to adapt to new opportunities: computing, medicine, photonics, and high-temperature superconductivity are examples; such rapidly growing fields offer some of the best opportunities to advance your career. Additional job opportunities are available to physics majors who go to graduate school. Jobs in physics research generally require a doctoral degree; these positions are found in industrial research and development laboratories, national laboratories, and in universities, although Wall Street has discovered the value of physicists in finance. A physics undergraduate degree is a superb preparation for students entering law school, especially as prospective technology and patent lawyers. Physics training, with some additional courses in biology and chemistry, is very suitable for students planning to attend medical school. Also see page 121 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Physics majors often pursue graduate study not only in physics, other sciences, and engineering, but also in medicine, law, education, and business. Most physics graduate students are fully supported through research assistantships, teaching assistantships, scholarships, or fellowships. It takes about five years for a graduate student to complete a doctoral degree in physics (typically about two years on graduate course work, then doing original research with a faculty mentor, and writing and defending a doctoral thesis advancing this research). Physicists also pursue master's degrees in physics or engineering (one to two years).

## HONORS AND AWARDS

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There are two endowed prizes and scholarships for Physics undergraduate students: the *Paul M. Gelling Fellowship Fund*, and the *Neil F. Beardsley Prize*.

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<http://physics.syr.edu>

# Policy Studies

Program Director	Principal Advisor	Minor Advisor
Professor William D. Coplin	Professor William D. Coplin	Michelle Walker
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## DESCRIPTION

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This 30-credit hour program, administered by the Public Affairs program, is completed with coursework from several academic departments within The College of Arts and Sciences, as well as the professional schools. You will acquire skills in report writing, problem-solving, information gathering, computer applications, quantitative analysis, and working in teams as you study major public policy issues. The guiding principle of the program is, "Undergraduates building professional skills through community service and research." The program is both hands-on and interdisciplinary.

Students enrolled in Policy Studies must complete a set of core requirements as well as take coursework in one of our four topical specializations: (1) environment; (2) government and business; (3) health, education, and human services; and (4) society and the legal system. You are provided ample flexibility in putting together a group of courses that is relevant to your intellectual and career interests.

Policy Studies is a challenging major which requires at least a B in the introductory course, PAF 101, An Introduction to the Analysis of Public Policy, and completion of either MAX 201, Quantitative Methods, or an alternative approved by the advisor, *prior to admittance to the major*. A demonstrated effort to serve the Syracuse community off-campus through at least 35 hours of community service is also a requirement for entrance into the major. These hours can be completed as part of any course requirements or through volunteering individually, as long as you have documentation, and the hours are performed in Onondaga County.

The program has an academic and career advisor, Michelle Walker. She and the staff will help you find internships, scholarship opportunities and permanent employment. Many of the more than fifteen-hundred alumni are part of a network eager to provide current students with advice as well as job and internship leads.

You are encouraged, but not required, to have a second major. Many students take a second major in The College of Arts and Sciences, usually in Economics, Geography, Political Science or Sociology, or in a professional school. About 30% of Policy Studies majors pursue a dual degree with the S. I. Newhouse School of Public Communications. Double majors are possible with The Martin J. Whitman School of Management, the David B. Falk College of Sport and Human Dynamics, and the College of Visual and Performing Arts. For students interested in a career in business or law, a minor in The School of Management is strongly advised. Dual degree students are cautioned to see their college recorders to determine the suitability of such courses in their overall degree requirements.

## CO-CURRICULAR OPPORTUNITIES

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You will learn at least as much outside the classroom as you do inside. Hundreds of different community service experiences are offered, both credit and non-credit, based in Onondaga County. Internship experience during the academic year and in the summer with public agencies is strongly recommended. PAF 315, *Methods of Public Policy Analysis and Presentation*, requires students to perform a research project for an agency in the community, which builds your resume and career portfolio. You are encouraged to take an off-campus semester in one of the following programs: New York City High School for Leadership and Public Service, the Albany Assembly Intern Program, the Maxwell in Washington International Relations Undergraduate Semester Program, and Syracuse University Abroad (SU Abroad). The Department staff works with alumni to help majors get career advice and summer internships, as well as full-time jobs. On-campus experiences—such as participation in the Learning Community programs of the Office of Residential Life (ORL); or participation in student groups such as Habitat for Humanity, Student Association, NYPIRG, and *Alpha Phi Omega*—are also supported.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Policy Studies**  
**Minor in Policy Studies**

## CAREER PATHS

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With its heavy emphasis on internships and the acquisition of career skills, students with a degree in Policy Studies compete well in the job market for a wide variety of jobs in the public, private and non-profit sectors. Several courses in the major require working on project teams, which is an experience valued by employers. About 25% of students who major in Policy Studies go to graduate or law school, while about 55% have obtained jobs as: consultants for major consulting firms like ICF International, Booz Allen Hamilton, and Bearing Point; legislative aides in Washington, DC, and state legislatures; administrators for non-profit organizations like the United Way and the Children's Defense Fund; case workers for the Department of Social Services; researchers for environmental organizations; writers for trade publications; sales representatives; analysts for corporations like IBM and lobby groups like the National Health Coalition; managers in large multinationals like General Electric, United Technologies and the Walt Disney Company; and finance positions with J.P. Morgan Chase and Goldman Sachs. About 20% of each senior class join Teach For America, the Peace Corps, or AmeriCorps, or non-profit or government agencies. Also see page 121 of the section, "Career Suggestions for Selected Majors."

The best way to learn about how Policy Studies can help you become ready for a solid career path after graduation is to read testimonials from successful alumni available on the Public Affairs website under the Prospective Students link: <http://www1.maxwell.syr.edu/paf.aspx?id=540>

## GRADUATE STUDY

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Policy Studies graduates gain entrance to premier law schools like Georgetown, Columbia, Stanford, and the University of California at Berkeley, and top-ranked public administration programs like the Maxwell School, the University of Southern California, Princeton, and New York

University. Some go into master's degree programs in business, education, hospital administration, social work, and public health.

## ORGANIZATIONS/ACTIVITIES

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Students are encouraged to obtain positions in community and government agencies as well as consulting firms during the academic year and in the summer. Many alumni of the program provide internship opportunities for our best students. Students in the past have been placed at the Children's Defense Fund, Independent Sector, and United Way in Washington, DC; and in a variety of non-profit and government agencies in Boston and New York City.

Credit is provided on an individual and group basis for special projects helping disadvantaged populations in the City of Syracuse. Students manage tutoring, mentoring, computer and art programs offered by several community centers, and implement fundraising projects. A series of Public Policy Practicum courses (PAF 410) are available to fulfill the major. These courses provide students with opportunities to complete projects such as grant writing, Web design, and research papers used by government and non-profit agencies.

## ADDITIONAL INFORMATION

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The first step to learn what the major is about is to take PAF 101, Introduction to the Analysis of Public Policy, which is offered every semester and counts as a social science and critical reflections requirement. Please pick up a brochure about the major and other related material in the Public Affairs office in 102 Maxwell Hall.

To request an appointment, send an email to Professor Coplin at [wdcoplin@syr.edu](mailto:wdcoplin@syr.edu) if you are interested in a major in Policy Studies, or to Michelle Walker at [mawalker@syr.edu](mailto:mawalker@syr.edu) if you are interested in the minor.

Policy Studies majors may also find information of interest on the following website:

<http://sites.maxwell.syr.edu/dogooddowell>

## HOMEPAGE

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<http://www1.maxwell.syr.edu/paf.aspx>

# Political Philosophy

Principal Advisor	Principal Advisor
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## DESCRIPTION

Political philosophy is reflective thought on group activity. It differs from political science in that it is a conceptual inquiry, while political science is a more empirical and practical application of that inquiry, though issues concerning the application of fundamental principles are considered as well. The program enables students to pursue studies using the resources of both the Philosophy Department and the Political Science Department. Students take coursework in ethics, political theory, the history of political thought, law, and human nature. Some other topics of study include governmental structures and their ideal implementation, political behavior, civil liberties, the relationship between individuals and governments, and the philosophy of law.

## MAJORS (AND MINORS) OFFERED

### Bachelor of Arts in Political Philosophy

The program requires a total of 30 credits. Of these, 12 credits consist of the following courses:

- PHI 107, Theories of Knowledge and Reality (formerly PHI 187)
- PHI 317/PSC 373, Social Contract Tradition
- PHI 417/PSC 382, Contemporary Political Philosophy
- PSC 125, Introduction to Political Theory

In addition, students must choose two of the following four areas, and take nine credits in each: 1) history of political thought, 2) law, 3) ethics and politics, and 4) human nature and political theory. Each course selection must be approved by a Political Philosophy advisor. The courses listed below are representative samples of courses that satisfy these area requirements. However, in consultation with one of the Principal Advisors, additional courses may be approved, including courses given outside of Arts and Sciences.\* Each Political Philosophy student must, therefore, consult with the advisor about course selections each semester. The examples are:

- 1) HISTORY OF POLITICAL THOUGHT:
  - PHI 418/618 Hegel, Marx, and Nietzsche
  - PSC 327/HST 342 Modern American Political Thought
  - PSC 326/HST 383 Foundations of American Political Thought
  - PSC 371 Democratic Theory and Politics
  - PSC 372 Marxist Theory

- 2) LAW:  
 ECN 575/LAW 733 Law and Market Economy  
 HST 381 Historical Foundations of Modern Law  
 HST 385 US Legal History 1620 to Present  
 PSC 324 Constitutional Law I  
 PSC 325 Constitutional Law II  
 PSC 352 International Law  
 PSC/WSP 374 Law and Society  
 PSC 375 Philosophy of Law
- 3) ETHICS AND POLITICS:  
 ANT 483/683 Social Movement Theory  
 ECN/WSP 358 Economics of Poverty and Discrimination  
 GEO 315 Science, Society and Environmental Conflict  
 PHI 343 Philosophy of Education  
 PHI/PSC 379 American Slavery and the Holocaust  
 PHI 393 Contemporary Ethics  
 PHI 422/622 Twentieth Century French and German Philosophy  
 PHI 493 Contemporary Ethical Issues  
 PSC/WSP 356 Political Conflict  
 PSC 376 Revolution and Civil Violence  
 REL 358 Critical Issues in Religious Thought
- 4) HUMAN NATURE AND POLITICAL THEORY:  
 HST 301 History, Fact and Interpretation  
 PHI 197 Human Nature  
 PHI 377 Philosophy of Psychology  
 PHI 391 History of Ethics  
 PHI/SOS 575 Philosophy of Social Science  
 PSC/WSP 319 Gender and Politics  
 PSC 337 Political Psychology  
 SOC 335/635 Political Sociology  
 REL 375 Religion and Ethics in Post-Freudian Depth Psychologies  
 WSP 301 Feminist Theory

- \* Dual degree students are advised to see a Counselor of Academic Services in 329 Hall of Languages to determine the suitability of such courses in their overall degree requirements.

## CAREER PATHS

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Related career avenues include international relations, law, governmental work, and social service. Also see page 121 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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This degree provides an excellent background for graduate work in many areas, including political science and law.

## HOME PAGE

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<http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/political-philosophy/index.html>

# Political Science

Chairperson	Principal Advisor
Professor Thomas Keck	Tess Slater
100 Eggers Hall	100 Eggers Hall
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## DESCRIPTION

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Political Science is the study of politics and government and their relationships to the wider society. This program provides students with a thorough introduction to the processes by which political power is attained, retained, and exercised. By introducing students to the techniques of political analysis, the program provides students the skills with which they can deepen their understandings of political processes, preparing them for responsible citizenship. Majors may qualify for the department's Distinction program, which requires the preparation of a thesis, under the guidance of a faculty advisor, during the senior year.

A program of study in Political Science may include any or all of the following areas: 1) American Government, including such courses as American Political Parties, Public Opinion and Elections, Congress, American Political Thought, Politics of the Executive Branch, and Law and Politics; 2) Comparative Government, including courses pertaining to Europe, the former Soviet Union, Latin America, South Asia, East Asia, Democratic Transitions, and Political Leadership; 3) International Politics, in courses encompassing American Foreign Policy, Foreign Policy Analysis, International Law, International Political Economy, International Issues and International Organizations; and 4) Political Theory, addressing issues such as Democratic Theory, Marxism, Philosophy of Law, and Revolution and Civil Violence.

## CO-CURRICULAR OPPORTUNITIES

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The Department of Political Science offers internship experiences for students through PSC 317, Local Internship. Students are placed in local congressional or state legislative district offices, the offices of the county or city executive (or the city or county legislature), or in political campaign organizations (congressional, state, or local). Students work 8 to 10 hours a week and receive credit within the Department. Seminars are also held in conjunction with the intern experience. These provide students the opportunity to ask local officials about working in government and politics. For more information, contact Professor Grant Reeher (313 Eggers Hall, 315.443.5046, [gdrreeher@maxwell.syr.edu](mailto:gdrreeher@maxwell.syr.edu)).

The Internship Services program in the Center for Career Services maintain files of national, state, and local government internship opportunities. It is also possible for Political Science students to apply some of the credit earned through the Maxwell-in-Washington International Relations Undergraduate Semester Program to the Political Science major via petition. For more information, contact Tess Slater, Academic Advisor, in the Political Science Department offices (see address above).

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Political Science Minor in Political Science**

## CAREER PATHS

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A degree in Political Science stresses analytical thinking and, therefore, is helpful in journalism, law, academia and government service, and also prepares the student for a range of business employment requiring knowledge of political systems or problem-solving skills. The career possibilities widen considerably when training in political science is combined with courses in psychology, journalism, and other communication skills. Specialized training is also available in policy analysis, international relations, and public administration and has proven helpful in securing employment. A government internship may also prove helpful, particularly when seeking a position in government service. Government or diplomatic service, politics, foreign correspondence, television and radio, newspaper work, non-profit organizations, academia and civic management are career fields where many political science majors find employment. The American Political Science Association recommends the following Web site as a good resource for undergraduates who want to enter the job market with a B.A. in Political Science: [http://www.apsanet.org/content\\_3360.cfm](http://www.apsanet.org/content_3360.cfm). Also see page 121 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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This major is excellent preparation for graduate studies in political science and public policy and for professional study in public administration and/or law. Pre-law advising is available to students from the Advising and Academic Support office located in 329 Hall of Languages, 315.443.3150.

## HONORS AND AWARDS

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Each year the Political Science Department recognizes the work of our undergraduate students by presenting awards for academic achievement and for the best student papers of the year. The *James F. Reynolds Memorial Award*, carrying a cash prize, is presented to the outstanding graduating senior in Political Science, selected on the basis of his or her academic record and commitment to scholarly excellence.

## ORGANIZATIONS/ACTIVITIES

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*Pi Sigma Alpha*, the National Honor Society for Political Science, accepts students who are majors or minors in Political Science, who have an overall GPA of 3.2, and a GPA of 3.4 in all Political Science-related coursework. Students must also have completed 12 credits (4 courses) of upper-division Political Science coursework at Syracuse University before applying. The faculty advisor for the group is Professor Grant Reeher, 313 Eggers, [gdreeher@maxwell.syr.edu](mailto:gdreeher@maxwell.syr.edu), 315.443.5406.

## ADDITIONAL INFORMATION

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The Department maintains an Undergraduate Advising Office (100G Eggert Hall, 315.443.9211) to assist students with declaring a major or a minor, registering for courses, and submitting petitions related to the Political Science major or minor, or coursework. We have also created a computer listserv, called *PSC major*, on which we post news and announcements relevant to Political Science students. For instructions on how to subscribe to *PSC major*, please visit the PSC Undergraduate Advising Office to talk with Tess Slater.

## HOME PAGE

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<http://www.maxwell.syr.edu/psc>

# Psychology

Chairperson	Principal Advisor	Director of Student Development
Professor Peter Vanable	Professor William Hoyer	Linda Galbato
430 Huntington Hall	458 Huntington Hall	523 Huntington Hall
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## DESCRIPTION

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Psychology is the science of behavior and mental processes. It encompasses all aspects of the human experience-biological, social, and cognitive. Psychologists investigate why humans think, feel, and act as they do. It also is a profession that uses this knowledge to help people function better and to improve personal health and well-being. The undergraduate program provides concentrated study in cognitive-neuroscience (i.e., brain function, memory, aging, social-personality (i.e., leadership, consumer behavior, prejudice, personality), clinical-health (i.e., stress and illness, abnormal psychology, alcoholism, substance abuse, health psychology), and developmental-educational (i.e., child development, school performance) psychology. The Psychology major emphasizes basic understanding of research methods and statistical analysis. Psychology majors considering graduate school are encouraged to take laboratory courses in Psychology and to become actively involved in faculty research through the Department's Allport Project.

## CO-CURRICULAR OPPORTUNITIES

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The Psychology curriculum emphasizes the development of "high-level" skills such as problem solving, critical thinking, interpersonal awareness, and social responsibility. Students are encouraged to further these skills by pursuing projects outside the classroom through internships in medical and mental health settings and working on faculty research projects on campus and in the community. The Allport Project is an enrichment opportunity that provides a framework for students to work with a faculty advisor to develop projects that focus on the core domains of computer proficiency, research methodology, written and oral communication skills, and social awareness/responsibility. Each year, several students complete honors theses under the direction of Psychology faculty.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Psychology**

Requirements are 30 credit hours (including PSY 205); 18 credits must be from courses numbered above 299. Students are required to take PSY 313, Introduction to Research Methodology, one course from each of the four areas of Psychology (clinical/health, cognitive/neuroscience, developmental/educational, and social/personality) and an approved statistics sequence (MAT 121-122, MAT 221-222, MAT 121-PSY 252, MAT 221-PSY 252).

### **Bachelor of Science in Psychology**

Those students interested in pursuing graduate studies in Psychology should consider completing the requirements for the B.S. degree, which is aimed specifically at preparing the student for a career as a Psychologist. B.S. degree candidates must complete PSY 205, PSY 313, a statistics sequence, and a class from each of the four areas noted above under the B.A. requirements. In addition, students must complete a laboratory/lecture sequence in Psychology, a one-year laboratory sequence from Chemistry or Biology or Physics, and independent research experiences. The specific classes are chosen from a list of approved alternatives in conjunction with the student's advisor.

NOTE: Students seeking either the B.A. or B.S. degree must begin by taking PSY 205, Foundations of Human Behavior (or the Honors equivalent, PSY 209). PSY 205 or PSY 209 or the equivalent is a prerequisite for all other Psychology courses except PSY 252.

### **Minor in Psychology**

The minor in Psychology is purposely designed to meet the diverse interests of students and requires that all students must complete 18 credit hours of Psychology (PSY) coursework, with 12 hours numbered above 299. A maximum of 3 hours of transfer credit in Psychology may be applied to the minor. Courses taken with the pass/fail option may not be counted toward the minor.

### **Integrated Neuroscience Major**

Neuroscience is a 24-credit integrated learning major (ILM) that requires coursework in at least three academic departments, as well as courses offered jointly with SUNY Upstate Medical University. Electives reflect the diversity of contemporary neural science.

## **CAREER PATHS**

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Psychology majors have the opportunity to develop a broad range of skills and qualities that make them attractive to employers in many fields apart from the profession of psychology itself. Psychology provides its students with an extensive education, training them in thinking and reasoning skills, and encouraging students to explore a broad range of ideas and assumptions. Lab projects require students to master techniques of concise scientific writing within a prescribed format (a skill much valued in commercial and business occupations), to interpret data summaries and probability statements, and to be familiar with a wide range of statistical procedures and processes, experimental and observational techniques, and survey and sampling methods. Together, these abilities amount to considerable expertise in gathering systematic information about human experience or behavior-expertise that is useful in any number of different fields. Skills in critical thinking, or "trained skepticism," problem solving, and interpersonal awareness acquired by studying psychology are extremely useful in clinical, educational, organizational, and community settings. Careers pursued by graduates include: consulting, administration, advocacy, community relations, program development, human resources, market research, public relations, advertising, media, and public service. Some graduates with bachelor's degrees work as behavioral technicians or mental health aides. Also see page 122 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Undergraduate Psychology majors are successful in gaining admission to professional programs including medicine, law, education, social policy, social services, management, and all areas of psychology. Graduate programs are widely available in all the basic fields of psychology. Admission to graduate programs in clinical psychology is extremely competitive.

## HONORS AND AWARDS

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The *Eric F. Gardner Outstanding Psychology Student Award* for the student who has excelled at every aspect of undergraduate activity including academic achievement, involvement in research, and service.

The *Outstanding Academic Achievement Award for Bachelor of Arts* for the student who has a minimum GPA of 3.75, has demonstrated noteworthy classroom accomplishments, and is graduating with a B.A. in Psychology. Eligible students must complete a minimum of 60 credits at Syracuse University.

The *Outstanding Academic Achievement Award for Bachelor of Science* for the student who has a minimum GPA of 3.75, has demonstrated noteworthy classroom accomplishments, and is graduating with a B.S. in Psychology. Eligible students must complete a minimum of 60 credits at Syracuse University.

The *Outstanding Research Achievement Award*. Although many undergraduates engage in research, this student is notable for devotion to research, achievement in this endeavor, and the ability to communicate the importance of the research to others.

The *Outstanding Service Award* for the student who has performed distinguished service to the University community, or to some other community, by involvement in activities designed to help others through service or education.

*Allport Scholar* awards are given to students who are involved in research experiences beyond the classroom and satisfy criteria in each of the following areas: written communication, research methodology, computer/technology, and oral communication.

*Allport Awards for Excellence in Applied Psychology* are given to students who engage in psychology-related internships and community service experiences and satisfy the following criteria: written communication, applied service, and oral communication.

## ORGANIZATIONS/ACTIVITIES

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The Department sponsors a series of colloquia and brown-bag series in which papers by nationally-recognized researchers in the field of psychology are presented. The Department sponsors a chapter of *Psi Chi*, the National Psychology Honor Society, and Professor Tanya Eckert serves as the faculty advisor to this organization. The Department also sponsors the Psychology Club, which is active in community service projects and which received a Chancellor's Award for its projects in the 2001-2002 academic year. Linda Galbato, Director of Student Development, serves as the advisor to the Psychology Club. Finally, the Department also sponsors a chapter of

NAMI (National Alliance on Mental Illness), which engages in advocacy activities to educate students about mental illness. Dr. Peter Venable serves as the advisor to NAMI.

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<http://psychweb.syr.edu>

# Religion

Chairperson	Principal Advisor
Professor James W. Watts	Professor Zachary Braiterman
501 Hall of Languages	501 Hall of Languages
315.443.3863/5713	315.443.3861/5719
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## DESCRIPTION

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Knowledge of religion is critical in today's world. The academic study of Religion at Syracuse University offers students the opportunity to explore religion in a cross-cultural and interdisciplinary context. Students who take courses in Religion learn to interpret the dynamics of religious convictions, actions and expressions. Religious traditions and practices engage such questions as: What kind of life is most worth living? How do we understand the nature of the world? How do we relate to ourselves and to others?

Students study religious life and thought from the perspectives of arts, ethics, gender, history, literature, mythology, philosophy, political theory, psychology, scriptural studies, social sciences, and theology. The academic study of Religion is a critical undertaking and an often transforming experience introducing students to unfamiliar aspects of their own world, and to religious realities of our global situation.

The Department of Religion has articulated three major goals that shape its teaching and its expectations of what students in its courses and programs may expect to gain from this study:

1. To understand better the nature and diversity of religious expressions in the contemporary world and in history, and their power in peoples' personal and collective lives;
2. To think more deeply and critically about religious experience and its modes of expression and forms of interpretation; and
3. To recognize and appreciate the difficulties and possibilities in a disciplined study of religion; and to become aware of a diversity of approaches and methods within that study.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Religion**

Students take 30 credits of appropriate work approved in consultation with the Director of Undergraduate Studies. Because of the interdisciplinary character of Religion courses, it is crucial that the following clusters (in depth and breadth/diversity) be delineated and approved in consultation with the Director of Undergraduate Studies, in keeping with the following conditions:

1. At least 4 courses that ensure depth by clustering around one of the following:
  - a) particular tradition (e.g., Buddhism, Judaism);
  - b) particular geographical area or historical period;
  - c) particular thematic (e.g., philosophy, popular culture);

2. At least 3 courses that ensure breadth and/or diversity of study, as decided in consultation with the Coordinator of Undergraduate Studies;
3. REL 391;
4. Of the 10 courses, 6 must be 300-level or above;
5. Up to 6 credits may be earned in individualized work within the Department; and
6. Up to 6 credits may be earned in advisor-approved courses outside the Department.

## Minor in Religion

## CAREER PATHS

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Many opportunities, in a great variety of fields, exist for students with degrees in Religion. The breadth of cultural and historical awareness, and the depth of critical thinking that the study of religion encourages, are good preparations for careers in teaching and academic research, professional religious vocations, medicine (with appropriate, relevant coursework and advising through the Health Professions Advisory Program), religious publishing, business, communications, law, and public service. Also see page 122 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Accomplished Religion majors have been successful in gaining admission to professional programs in teaching, law, religion, theology, and social service, as well as to academic programs of graduate study in religion, anthropology, theology, history, literature, and philosophy.

## HONORS AND AWARDS

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The *Kenmore W. Haight and Phyllis Haight Legro Scholar Fund Award* is awarded for outstanding achievement in the study of Religion.

*Distinction in Religion:* All students receiving Distinction in Religion must have a minimum GPA of 3.5 in Religion and a cumulative GPA of 3.4 by the end of the senior year. In addition, Distinction in Religion is earned by meeting the following criteria, which exceed the requirements applicable to all majors:

1. Students must be declared Religion majors;
2. Students are required to fulfill the Liberal Arts language requirement (through the course level of 201 in one language), and strongly encouraged to study (a) language(s) that best intersect with the subject matter or secondary literature of their thesis projects;
3. Students are strongly encouraged to take the required course REL 391 in the Spring semester of their junior year;
4. Students will register for REL 498 ("Thesis Preparation," 3 credits) in the Spring semester of their senior year, under the faculty leadership of their thesis advisor;
5. The thesis will be a minimum of 30 pages; and
6. The thesis will be orally defended before a committee of three Religion faculty (Advisor, First Reader, Second Reader).

Students who wish to earn Distinction in Religion may also earn University Honors, but the achievement of University Honors does not guarantee Distinction in Religion. Likewise, the same thesis project may be used both to earn Distinction in Religion and to fulfill the thesis requirement of University Honors, but it must meet the separate requirements of each program.

## ORGANIZATIONS/ACTIVITIES

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*Theta Chi Beta*, the nation's oldest Religion Honor Society, was founded at Syracuse University and annually inducts into membership students who have achieved a 3.5 GPA in their program of religious studies in the Department. No fewer than 12 credit hours of coursework in Religion must have been completed in order to be eligible for membership. *Theta Chi Beta* became a chapter of the National Religion Honor Society, *Theta Alpha Kappa*, in 1992. The latter's Web address is <http://thetaalphakappa.net>.

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<http://religion.syr.edu>

# Religion and Society

Program Coordinator	Principal Advisor
Professor Gustav Niebuhr	Professor Gustav Niebuhr
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## DESCRIPTION

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Religion and Society is an interdisciplinary program that provides the opportunity to study the pervasive role of religion in contemporary society, especially in US national politics, international relations, economic development, and popular culture—and in most facets of social change broadly conceived. Course requirements endeavor to provide students with: 1) an understanding of several major religious traditions on their own terms; 2) perspectives on the social and cultural roles played by religion in various periods and places, not the least of which is the contemporary world; and 3) comparative analyses of religion's influence on particular aspects of human cultures, such as politics, violence, and group identity. In 2007, a new minor in Religion and Media was added to the program. Established with a grant from the Carnegie Corporation of New York, the minor is open to all SU students, but is especially designed to guide those interested in journalism and related fields to understanding of religious traditions and issues involving religion that they are likely to encounter in their careers.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Religion and Society**

The B.A. in Religion and Society is designed to encourage study of the interaction of religion with other aspects of public affairs, such as politics, diplomacy, law, and business, on the basis of a broad understanding of various religious traditions. It consists of a minimum of 30 credits (at least 18 credits in courses numbered 300 or above), of which 12 credits must be earned in courses from the *Traditions* list, 12 from the *Religion and Society* list, and six from either. [The *Traditions* and *Religion and Society* course lists are available in the SU *Undergraduate Course Catalog* and at the Religion Department main office (501 Hall of Languages).]

### **Minor in Religion and Society**

The Religion and Society minor consists of a minimum of 18 credits (at least 12 credits in courses numbered 300 or above), of which nine credits must be earned in courses from the *Traditions* list, and nine from the *Religion and Society* list.

## CAREER PATHS

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The program is open to any SU student, and may be especially useful to students interested in pursuing careers in journalism, international relations, law, government or foreign service. Also see page 122 of the section, "Career Suggestions for Selected Majors."

## ORGANIZATIONS/ACTIVITIES

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*Theta Chi Beta*, the nation's oldest Religion Honor Society, was founded at Syracuse University and annually inducts into membership students who have achieved a 3.5 GPA in their program of religious studies in the Department. No fewer than 12 credit hours of coursework in Religion must have been completed in order to be eligible for membership. *Theta Chi Beta* became a chapter of the National Religion Honor Society, *Theta Alpha Kappa*, in 1992. The latter's website is <http://www.thetaalphakappa.ucr.edu>.

## HOMEPAGE

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<http://religion-and-society.syr.edu>

# Russian and Central European Studies

Program Coordinator	Principal Advisor
Professor Gerald R. Greenberg	Professor Gerald R. Greenberg
441 Hall of Languages	441 Hall of Languages
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<a href="mailto:ggreenbe@syr.edu">ggreenbe@syr.edu</a>	<a href="mailto:ggreenbe@syr.edu">ggreenbe@syr.edu</a>

## DESCRIPTION

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A shortage exists of American citizens knowledgeable in all areas of Russian and Central European affairs-politics, economics, education, business, communication, the arts, and culture. Syracuse University's program in Russian Studies attempts to reduce the shortage by providing multidisciplinary knowledge of Russian and Central European culture and civilization. Courses in international relations provide graduates with valuable expertise and insights in an area of both personal and worldwide interest.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Russian and Central European Studies**

The program requires substantial study (or demonstrated competence) in the Russian language or a language of Central Europe. It is designed for students who anticipate a career in Russian or Central European affairs, or who elect to focus their liberal arts education in Russian or Central European Studies.

### **Minor in Russian and Central European Studies**

## CAREER PATHS

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Career options related to the study of Russian or other Central European languages and cultures include communications, foreign affairs, international business and trade, and government service. The outlook for employment directly related to Russian and Central European Studies varies from individual to individual depending upon the student's skill level, related work experience, and ambition. Also see the Ethnic and Area Studies list on page 117 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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The programs for graduate study most often selected by Russian and Central European Studies scholars are history, language and literature, and international relations.

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<http://thecollege.syr.edu/students/undergraduate/interdisciplinary/RCES-russ-and-cent-european/index.html>

# Russian Language, Literature, and Culture

Program Coordinator	Principal Advisor
Professor Erika Haber	Professor Erika Haber
324 H. B. Crouse Hall	324 H. B. Crouse Hall
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## DESCRIPTION

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The Russian Language, Literature, and Culture program offers a variety of courses designed to develop a student's ability to speak, write, read, and understand the Russian language. The need for such expertise continues to grow as Russia's new affluence and relative stability have allowed the Russian nation to reassert its influence as a world power. In addition to helping students develop communication skills in the Russian language, the program also introduces students to the study of Russian culture, literature, linguistics, film, folklore, media, business, politics, and history.

## CO-CURRICULAR OPPORTUNITIES

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Study in Russia through Syracuse University Abroad (SU Abroad) is encouraged for all interested students. We offer a program at the Smolny Institute in St. Petersburg, which is administered through Bard College. For more information see <http://iile.bard.edu/smolny/bard-smolny/>

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Russian Language, Literature, and Culture**  
**Minor in Russian**

## CAREER PATHS

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Graduates with knowledge of Russian often gain employment in the fields of government services, foreign affairs, and international business and law. Other employment possibilities include communications (e.g., interpreter, translator), tour guide, educator, intelligence specialist, and various aspects of world trade.

*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making connections between people, knowledge of another language is also an education in your own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from *Great Jobs for Foreign Language Majors* by Julie DeGalan and Stephen Lambert (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]*

Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Graduate study opportunities for students of Russian often include law, international relations, foreign policy, history, and advanced study of Russian language, literature and linguistics. Related fields of graduate study include comparative languages and literatures, disciplines in the social sciences and humanities, and education.

## ADDITIONAL INFORMATION

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Students should make sure that they read *Great Jobs for Foreign Language Majors* for career suggestions, strategies, and referrals. This book, which is available for loan from the Career Exploration Services office in 329 Hall of Languages, holds a wealth of information for language majors.

For more great reasons to study Russian, see <http://modules.russnet.org/why/>

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<http://lang.syr.edu/languages/Russian/Russian-index.html>

# Selected Studies

## Program Director

Shruti Amin Viswanathan, Director of Academic Advising and Counseling

329 Hall of Languages

315.443.3150

[saviswan@syr.edu](mailto:saviswan@syr.edu)

## DESCRIPTION

---

The Selected Studies Program, which leads to either a B.A. or B.S. degree, is intended to accommodate individual—often highly specialized—needs that other schools and colleges' curricula at the University are unable to meet. It provides considerable freedom in curricular planning, but requires greatly increased responsibility on the part of the student.

Within the Selected Studies Program, the *student* is responsible for developing a four-year curriculum based on well-defined academic goals. It is the student's task to produce the alternative ideas for a curriculum and then to work them out in consultation with an appropriate Arts and Sciences faculty advisor. The advisor helps the student assume the added responsibilities of developing and pursuing his or her program. The student may have a second advisor from Arts and Sciences or another school or college at Syracuse University. Students contemplating a Selected Studies major should consult with the Director of Academic Advising and Counseling. Approval of Selected Studies programs is granted by the Curriculum Committee's subcommittee on Selected Studies which also has membership from the Academic Committee of The College.

## CURRICULAR GUIDELINES

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Selected Studies Program proposals must adhere to the following guidelines:

1. Each student must develop a written statement of realistic, constructive, and practicable goals.
2. An acceptable program may draw on courses from as many different departments and colleges as needed, but must be integrated and coherent. As evidence of its integration, the program must indicate the specific courses included and the number of credits to be taken in each subject area, and then show how the courses achieve the plan's goals.
3. Individual curricular plans should avoid overspecialization. Programs that seem to aim at narrow vocational training are likely to be rejected. Also, students whose applications indicate that they can best be served by an existing traditional major are likely to be referred to the appropriate department or program.
4. Each Selected Studies Program must provide for a total of at least 120 credits. Among the courses taken outside of Arts and Sciences, no more than 24 credits may be taken in any one school or college of the University.
5. A Bachelor of Arts in Selected Studies must include at least 90 credits of Arts and Sciences courses, including a minimum of 60 credits in courses numbered at the 300-level or higher (upper division).

6. The Bachelor of Science in Selected Studies must contain at least 75 credits of Arts and Sciences courses, including a minimum of 50 credits in courses numbered at the 300-level or higher (upper division). It must include a minimum of 36 credits of courses in departments offering the B.S. degree at Syracuse University, and exhibit a concentration of no more than 60 credits justifying the title of the program.
7. Once approved, any change in this distribution must be proposed to and approved by the student's advisor(s) and the Director of Academic Advising and Counseling.
8. Students, by successful petition, may revise their program a maximum of two times, except in the case of approved program courses that subsequently become unavailable. In that case there is no limit to the number of petitions that may be submitted. Approval is by the student's advisor(s) and the Director of Academic Advising and Counseling.

## DEGREE REQUIREMENTS

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The latest approved Selected Studies Program proposal constitutes the curricular requirements for the student's bachelor's degree.

Students who choose the Selected Studies Program must meet all general graduation requirements of The College of Arts and Sciences and the University, except those specifically waived or modified by their approved program.

## ELIGIBILITY

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Any student in good academic standing (i.e., a minimum of a cumulative 2.0 GPA) in The College of Arts and Sciences may apply for admission to the Selected Studies Program, subject to the following:

1. Students are permitted to participate in Selected Studies only after they have completed two semesters at SU, but program proposals may be submitted for review at any time before the end of the junior year.
2. To assure timely approval, the student should submit the program proposal to the Director of Academic Advising and Counseling at least 60 days before the registration period for the program's first semester.
3. A student cannot be admitted to the program later than the second semester of the junior year.
4. Students who choose Selected Studies may change back to the standard Arts and Sciences program provided they are able to meet the requirements of that program.

A brochure containing detailed information and proposal guidelines about the Selected Studies Program may be obtained from Advising and Academic Support, 329 Hall of Languages.

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[http://as-cascade.syr.edu/students/undergraduate/pdfs\\_docs/selected\\_studies.pdf](http://as-cascade.syr.edu/students/undergraduate/pdfs_docs/selected_studies.pdf)

# Sociology

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## DESCRIPTION

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The Sociology program aims to provide undergraduate students with in-depth knowledge of how societies operate; the functioning of social institutions (e.g., political, economic, family, educational, legal, religious); social inequality related to gender, race, ethnicity, class, sexuality, and disability; and social issues pertaining to aging and the life course, families, work and occupations, the environment, health and health care, immigration, science and technology, and social policy. All students enrolled in Sociology courses are expected to develop a "sociological imagination," which involves a complex understanding of connections between social structure and individual experience. Students are also expected to develop an appreciation of social theory and research, including being able to distinguish various theoretical perspectives, identify different modes of inquiry, and critically evaluate the validity and applicability of information. Sociology majors develop a skill set that includes: analytic reading, reasoning, and writing; fundamentals of qualitative and quantitative research; information retrieval procedures; and report presentation.

## CO-CURRICULAR OPPORTUNITIES

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The Sociology major encourages students to participate in a wide variety of co-curricular activities depending upon their specializations and career interests. These activities include but are not limited to: internships and research experiences in social and public agencies; joint research with a faculty member or advanced graduate student; international study and social research through participation in Syracuse University Abroad (SU Abroad); participation in a Maxwell School policy center, such as the Center for Policy Research or the Program for the Analysis and Resolution of Conflict, or other campus organizations, such as the Center on Human Policy; the pursuit of a double major or minor with programs and departments, such as African American Studies, English and Textual Studies, International Relations, Jewish Studies, Latino-Latin American Studies, LGBT Studies, Policy Studies, Native American Studies, and Women's and Gender Studies. Many Sociology faculty members are affiliated with the cross-disciplinary programs listed above. A large number of students majoring in Sociology also pursue programs of study in other schools and colleges at Syracuse University, including the Newhouse School of Public Communications, The Martin J. Whitman School of Management, the David B. Falk College of Sport and Human Dynamics, and the School of Education.

## MAJORS (AND MINORS) OFFERED

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**Bachelor of Arts in Sociology**  
**Minor in Sociology**

## CAREER PATHS

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Sociology majors compete well in occupations requiring a good liberal arts concentration, especially in occupations dealing with human services, marketing and advertising, social and policy research, government agencies, and other occupations requiring strong research, analytical, and writing skills applied to social, public, and organizational issues. Also see page 122 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Sociology is an excellent major for students contemplating graduate studies in sociology, psychology, law, social work, communications, advertising and public relations, business and marketing, criminal justice, public administration, and international relations. Students with social science backgrounds are of special interest to many medical schools and graduate schools of public health. Sociology majors with advanced degrees work in a variety of research, applied, consulting, and educational settings.

## HONORS AND AWARDS

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*Distinction in Sociology* is granted to students who successfully complete the Sociology Thesis option, have a minimum GPA in Sociology of 3.5, have a cumulative overall GPA of 3.4, and have produced an outstanding thesis paper. An outstanding thesis paper involves original empirical research (quantitative or qualitative) on a sociologically significant topic, and follows the format of a professional conference paper or article that might be published in a peer-reviewed Sociology journal such as *Sociological Inquiry* (the official journal of *Alpha Kappa Delta*, see below).

## ORGANIZATIONS/ACTIVITIES

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*Alpha Kappa Delta* (AKD) is the International Honor Society for Sociology majors. To be eligible for membership, a student must be either a junior or a senior Sociology major with at least 12 credits of Sociology courses completed at SU, a 3.0 overall GPA, and a GPA of 3.5 in their Sociology courses.

## ADDITIONAL INFORMATION

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For career ideas, graduate school information, and other helpful resources for Sociology majors, see [http://www.asanet.org/cs/root/topnav/students/students\\_3column](http://www.asanet.org/cs/root/topnav/students/students_3column).

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<http://www.maxwell.syr.edu/soc>

# Spanish Language, Literature, and Culture

Program Coordinator	Principal Advisor (A-G)	Principal Advisor (H-P)	Principal Advisor (Q-Z)
Prof. Kathryn Everly	Prof. Myrna García Calderón	Prof. Emma Ticio	Prof. Kathryn Everly
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<a href="mailto:keverly@syr.edu">keverly@syr.edu</a>	<a href="mailto:mygarcia@syr.edu">mygarcia@syr.edu</a>	<a href="mailto:mticioqu@syr.edu">mticioqu@syr.edu</a>	<a href="mailto:keverly@syr.edu">keverly@syr.edu</a>

## DESCRIPTION

The Spanish Program offers courses that are designed to fit together in such a way as to present a relatively complete view of Spanish and Latin American literature, as well as Spanish language, linguistics, and vocational courses, while at the same time allowing each student to choose the courses most interesting to him or her. The literature courses span all periods of both peninsular Spanish and Latin American literature, providing the student with a unified and rich view of the literature of both regions. Courses are also offered in the structure of Spanish, Spanish phonetics and phonology. Vocational courses include choices such as Business Spanish, Spanish for Journalistic Practice, and Translation. This course of study, therefore, is not only an excellent overview of these areas, but is also a strong base for study in a wide variety of related disciplines.

## CO-CURRICULAR OPPORTUNITIES

A semester abroad in Madrid or in Santiago, Chile, through Syracuse University Abroad (SU Abroad) is encouraged for all interested students.

## MAJORS (AND MINORS) OFFERED

**Bachelor of Arts in Spanish Language, Literature, and Culture**  
**Minor in Spanish**

## CAREER PATHS

Opportunities at all levels of proficiency include: teaching, interpreting, translating, advertising, multi-national corporate work, social work, law enforcement, management, and public relations. Some of these fields, of course, require further, specialized training.

Geographical preference can be a factor in securing jobs where knowledge of Spanish is coupled with another area of knowledge or expertise. Spanish-speaking people are in the larger urban centers of the United States—New York City, Chicago, Los Angeles, Miami, Boston; students should therefore consider relocating to those regions for greater job opportunities. Journalism, government service, nursing, the vacation and travel industry, and library science are some of the related career options for Spanish majors or minors.

*Foreign language study is wonderful preparation for any number of careers. With its emphasis on communication and skills in writing, speaking, reading, and simply making*

*connections between people, knowledge of another language is also an education in your own language. This knowledge will serve the graduate well in any sector of the employment market. [Excerpted from Great Jobs for Foreign Language Majors by Julie DeGalan and Stephen Lambert (Lincolnwood, IL: VGM Career Horizons, 1994, p. 106).]*

Also see the Languages, Literatures, and Linguistics list on page 119 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Taking a major in this program is an excellent way to prepare for future study in superior doctoral programs of Spanish and Latin American literature, which leads to a career of research and teaching at institutions of higher education. The major is also beneficial for students interested in a variety of disciplines in the social sciences and humanities, e.g., Spanish and bilingual education, Latin American and Caribbean studies, politics, international relations, geography, anthropology, and others.

## ADDITIONAL INFORMATION

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Students should make sure that they read *Great Jobs for Foreign Language Majors* for career suggestions, strategies, and referrals. This book, which is available for loan from the Advising and Academic Support office in 329 Hall of Languages, holds a wealth of information for language majors.

## HOME PAGE

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<http://lang.syr.edu/index.php?pgm=spanish&page=home>

# Women's and Gender Studies

Chairperson	Principal Advisor
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## DESCRIPTION

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The Women's and Gender Studies Department aims to help students gain knowledge about the complex ways that gender ideas and practices shape the world around them. Gender affects the way in which we live our lives in a personal way---it affects families, children, reproduction, and the organization of work in the home---but it also affects the formation and limitations of every major social institution and cultural practice. Our goal is to help students see the ways in which gender is being thought about and practiced, as well as to help them develop their own analytical skills to evaluate, assess, and imagine differently.

Our objective is for our students to learn about gender with an intersectional and transnational approach. To study gender either in one's own society or in the world, one must come to understand how gender ideas and practices take shape in relationship with ideas and practices about race, class, cultural identity, sexuality, nationality, and religion. Gender hierarchies and sexual domination figure in nearly every culture and society, and categories like "traditional vs. modern," or "West vs. East," can over-simplify and distort the significant variations and differences that exist in the world. The possibility of understanding and solidarity among women worldwide can only be achieved by an analysis of gender and gender oppression that places both within a global and intersectional framework.

Regular WGS course offerings are available in: art, history, literature, cultural studies, film studies, philosophy, political science, sociology, anthropology, geography, psychology, writing, religion, economics, management, African American studies, Latino/Latin American studies, education, communications, and rhetoric studies.

The bachelor's degree in Women's and Gender Studies is designed for undergraduate students who desire an excellent liberal arts education and in-depth interdisciplinary program. The Women's and Gender Studies major prepares students for further academic and professional study as well as career opportunities in public service, media and in private industry. The program's emphasis on critical reading and writing practices are essential for all intellectual and professional work.

Women's and Gender Studies majors are encouraged to consider taking advantage of the Syracuse University Abroad (SU Abroad) program which offers a growing number of interdisciplinary courses in Women's and Gender Studies at SU centers in England, France, Italy, Spain, and elsewhere. Many of these courses are cross-listed with African American Studies, Anthropology, Film, Geography, History, Humanities, Languages and Literatures, Political Science, Sociology and Social Work. Summer programs include "Human Sexuality in Europe" and "Paris Noir: Literature, Art, and Contemporary Life in Diaspora." Specific information and course

offerings in the study abroad programs at Syracuse University can be found on the SU Abroad Web site at: <http://suabroad.syr.edu>

## CO-CURRICULAR OPPORTUNITIES

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The Women's and Gender Studies department offers opportunities for service learning projects, internships in community organizations, and involvement in University initiatives working with Women's and Gender Studies faculty.

## MAJORS (AND MINORS) OFFERED

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### **Bachelor of Arts in Women's and Gender Studies**

A B.A. in Women's and Gender Studies requires a minimum of 33 credits. Eighteen of these credits must come from courses numbered 300 or above. There are five required core courses: WGS 101, 201, 301, 310, and 410. In addition to these there will be three courses from the course grouping Power, Privilege, and Exclusion in Feminist Thought; and three electives, two core electives and one general elective selected from a list of approved cross-listed courses. In the senior year, majors may create a synthesis of their studies in the field and deepen their skills in women's and gender studies research, culminating in an independent project that can be a research project, creative work, or activism project. Note: Students seeking Academic Distinction in Women's and Gender Studies must register for WGS 498 Senior Project in Women's and Gender Studies.

### **Minor in Women's and Gender Studies**

The minor requires 21 credits of coursework. Fifteen of these credits must be in courses numbered 300 or above. In keeping with the guidelines for the major, students who minor in Women's and Gender Studies are required to take the five core classes plus two electives, one core elective, and one general elective chosen from an approved list of cross-listed courses.

## CAREER PATHS

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The Women's and Gender Studies major develops the skills of critical writing, reading and interpretive skills, communication skills, critical analysis, and research abilities. The program thus provides opportunities, both inside and outside the University, and especially when combined with other professional programs of study, for careers in law, medicine, journalism, publishing, public administration, public relations, government, personnel management, business and industry, education and teaching, social work, politics, industrial and labor relations, international relations, government, and in governmental and non-governmental international development and planning agencies. Also see page 123 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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The student with an undergraduate degree in Women's and Gender Studies is prepared to pursue graduate study in the humanities and social sciences, as well as to pursue professional study in law, public administration, communications, social work, and other areas.

## HONORS AND AWARDS

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The *Marguerite Fisher Paper Prize* is awarded annually in the Spring semester to an undergraduate student who writes an outstanding paper in the area of Women's and Gender Studies.

The *Jamie Klemczak Service Award* is awarded annually in the Spring semester to an undergraduate student who has contributed to feminist education on campus and/or in the community.

The *Diane Lyden Murphy Bread and Roses Activism Award* is presented annually to an undergraduate student, graduate student, staff or faculty member who has made a significant activist contribution to the betterment of the lives of women during their course of study at Syracuse University.

*Academic Distinction in Women's and Gender Studies* is awarded annually in May to Women's and Gender Studies majors in their senior year who achieve a minimum GPA of 3.5 in their major and a cumulative minimum GPA of 3.4 by the end of their senior year and have successfully completed WGS 498 Senior Project in Women's and Gender Studies.

## ORGANIZATIONS/ACTIVITIES

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The department sponsors a speaker series in which nationally and internationally well-known scholars in Women's and Gender Studies present their research and writing. In addition to the speaker series, the Women's and Gender Studies department co-sponsors a broad range of conferences, artistic events, and symposia at the University. Regular undergraduate discussion forums entitled "Food, Fun, and Feminism" address current topics and are open to the entire university community. The Future of Minority Studies @ SU (see [fmsproject.cornell.edu](http://fmsproject.cornell.edu)) is housed in WGS. The department often hosts distinguished visiting faculty as well as postdoctoral fellows from around the globe.

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<http://wgs.syr.edu>

# Writing and Rhetoric

Chairperson	Director of Undergraduate Studies
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## DESCRIPTION

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The Writing and Rhetoric major focuses on different genres and practices of writing as enacted in specific historical and cultural contexts. Students write in a wide range of genres, including advanced argument, research writing, digital writing, civic writing, professional writing, technical writing, creative nonfiction, and the public essay. In the process of exploring and practicing these genres, students study and analyze the interaction of diverse rhetorical traditions and writing technologies, and assess how these factors shape the nature, scope, and impact of writing in a variety of contexts. The major also asks students to examine writing and rhetoric as embedded in culture; students analyze writing identities, their emergences in cultures and subgroups, and the relations among writing, rhetoric, identity, literacy, and power.

## CO-CURRICULAR OPPORTUNITIES

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Writing and Rhetoric majors are encouraged to complete an internship with one of the Writing Program's community partners in order to discover how their writing skills may be put to use in settings beyond the classroom. Internship projects vary according to the interests of the student and the sponsoring agency, organization, school, or group; however, all internships provide students with practical experience in effective communication. They also provide students with ample opportunities to reflect upon the significance of their academic study for their civic and professional lives. Other opportunities for adapting writing to settings beyond the classroom include participating in the production of the Writing Program's in-house magazine and a course on peer consulting.

## MAJORS AND MINORS OFFERED

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### **Bachelor of Arts in Writing and Rhetoric**

To qualify for a B.A. degree in Writing and Rhetoric, students complete a total of 27 credits of coursework. These credits include WRT 255, four courses from Genres and Practices, and four courses from Writing Histories and Theories. In addition, all Writing and Rhetoric majors are encouraged to produce and maintain an electronic writing portfolio. This portfolio allows students to archive and demonstrate their expertise within and across multiple genres and rhetorical contexts. Electronic writing portfolios serve as a record of each student's development and growth as a writer.

## MINOR IN WRITING

---

The 18 credit minor in Writing and Rhetoric offers students the opportunity to develop expertise in writing for academic, professional, civic, and personal purposes. The coursework provides practice in writing in a range of genres, editing and style, publishing, and digital media. Courses also investigate rhetoric, information technology, the politics of language use, and language and identity. The minor in writing is available to all undergraduates at Syracuse University. More information on the minor and specific credit distribution requirements can be found at <http://wrt.syr.edu/minor/>

## CAREER PATHS

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Graduates of the Writing and Rhetoric major will be well equipped for public and private sector careers that require knowledge of advanced communication strategies and writing skills. The major is open to any SU student, and may be especially useful to students pursuing careers in teaching, law, business, public advocacy, and editing and publishing. Also see page 123 of the section, "Career Suggestions for Selected Majors."

## GRADUATE STUDY

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Writing and Rhetoric majors will be prepared for graduate study in a variety of professional fields, including law, business, and education, and in several academic disciplines, including rhetoric and composition, English, and communication.

## HONORS AND AWARDS

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The *Carol Lipson Award* is given annually to the graduating senior who best exemplifies outstanding performance in the Writing and Rhetoric major.

## ORGANIZATIONS/ACTIVITIES

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Writing and Rhetoric majors and Writing minors have opportunities to participate in a variety of special programs sponsored by the Writing Program. The Writing Program regularly hosts special events that bring well-known writers to campus for readings, meetings, and workshops with students. In addition, we sponsor an annual career panel that offers students an opportunity to consider the types of career paths that might be available to them as graduates of the Writing and Rhetoric major. Majors and minors also may participate in the production of *Intertext*, an annual student publication that highlights outstanding writing produced in our courses.

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<http://wrt.syr.edu>

# Available Minors at SU

Below is a list of all 104 available minors at Syracuse University as well as a web link where you can look up additional details about the minor and its requirements. These minors are listed according to the school or college at SU that administers the minor. The majority of minors share the same name as their related major (e.g., African American Studies, Biology, Economics, etc.), while a small number of minors are named for an interdisciplinary grouping of courses (e.g., Judaic Studies, Middle Eastern Studies, Native American Studies, etc.). Some minors have limited enrollment or specific eligibility criteria. Not all minors are open to Arts and Sciences students. In addition, it should be noted that this list is always evolving, such that new minors are added and others are discontinued. If you need further information about a specific minor and its requirements, contact the appropriate school or college; or in the case of A&S minors, contact the department or program. If the minor is also offered as an A&S major, you may find additional helpful information in the corresponding section of *Major Insights*.

For further information about available minors at Syracuse University and their requirements, see <http://coursecatalog.syr.edu/2011/programs/minor>

MINORS AVAILABLE THROUGH THE COLLEGE OF ARTS AND SCIENCES	
African American Studies	<a href="http://aas.syr.edu/">http://aas.syr.edu/</a>
Anthropology	<a href="http://www1.maxwell.syr.edu/anthro.aspx?id=6442451091">http://www1.maxwell.syr.edu/anthro.aspx?id=6442451091</a>
Applied Statistics	<a href="http://thecollege.syr.edu/students/undergraduate/interdisciplinary/applied-statistics/index.html">http://thecollege.syr.edu/students/undergraduate/interdisciplinary/applied-statistics/index.html</a>
Architecture	<a href="http://coursecatalog.syr.edu/2010/programs/architecture1">http://coursecatalog.syr.edu/2010/programs/architecture1</a>
Art and Music Histories	<a href="http://coursecatalog.syr.edu/2010/programs/art_and_music_histories">http://coursecatalog.syr.edu/2010/programs/art_and_music_histories</a>
Art History	<a href="http://coursecatalog.syr.edu/2010/programs/art_history2">http://coursecatalog.syr.edu/2010/programs/art_history2</a>
Asian/Asian American Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/asian-american-studies/index.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/asian-american-studies/index.html</a>
Biology	<a href="http://biology.syr.edu/undergrad/programs/minor.htm">http://biology.syr.edu/undergrad/programs/minor.htm</a>
Chemistry	<a href="http://chemistry.syr.edu/undergraduate/minor_chem.html">http://chemistry.syr.edu/undergraduate/minor_chem.html</a>
Chinese Studies	<a href="http://chinesestudies.syr.edu">http://chinesestudies.syr.edu</a>
Classics	<a href="http://lang.syr.edu/languages/Classics/Classics-majorreqs.html">http://lang.syr.edu/languages/Classics/Classics-majorreqs.html</a>
Cognitive Science	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/cognitive-science/index.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/cognitive-science/index.html</a>
Communication Sciences and Disorders	<a href="http://coursecatalog.syr.edu/2010/programs/communication_sci_disorders">http://coursecatalog.syr.edu/2010/programs/communication_sci_disorders</a>
Earth Sciences	<a href="http://coursecatalog.syr.edu/2010/programs/earth_sciences">http://coursecatalog.syr.edu/2010/programs/earth_sciences</a>
Economics	<a href="http://www1.maxwell.syr.edu/econ.aspx?id=809">http://www1.maxwell.syr.edu/econ.aspx?id=809</a>
English and Textual Studies	<a href="http://english.syr.edu/ets/minor.htm">http://english.syr.edu/ets/minor.htm</a>
Forensic Science	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/forensics/undergraduate_studies.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/forensics/undergraduate_studies.html</a>
French and Francophone Studies	<a href="http://coursecatalog.syr.edu/2010/programs/french_and_francofone_studies2">http://coursecatalog.syr.edu/2010/programs/french_and_francofone_studies2</a>
Geography	<a href="http://coursecatalog.syr.edu/2010/programs/geography2">http://coursecatalog.syr.edu/2010/programs/geography2</a>
German	<a href="http://coursecatalog.syr.edu/2010/programs/german">http://coursecatalog.syr.edu/2010/programs/german</a>
Global Political Economy	<a href="http://www.maxwell.syr.edu/ir_undergraduate.aspx?id=3650722461Z">http://www.maxwell.syr.edu/ir_undergraduate.aspx?id=3650722461Z</a>

<b>MINORS AVAILABLE THROUGH THE COLLEGE OF ARTS AND SCIENCES (continued)</b>	
History	<a href="http://coursecatalog.syr.edu/2010/programs/history2">http://coursecatalog.syr.edu/2010/programs/history2</a>
History of Architecture	<a href="http://coursecatalog.syr.edu/2010/programs/history_of_architecture_1">http://coursecatalog.syr.edu/2010/programs/history_of_architecture_1</a>
Italian	<a href="http://coursecatalog.syr.edu/2010/programs/italian">http://coursecatalog.syr.edu/2010/programs/italian</a>
Judaic Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/judaic-studies/index.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/judaic-studies/index.html</a>
Latin American Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/latino-latin-american/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/latino-latin-american/requirements.html</a>
Lesbian, Gay, Bisexual, and Transgender Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/lgbt-studies/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/lgbt-studies/requirements.html</a>
Linguistic Studies	<a href="http://coursecatalog.syr.edu/2010/programs/linguistic_studies2">http://coursecatalog.syr.edu/2010/programs/linguistic_studies2</a>
Logic	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/logic/index.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/logic/index.html</a>
Mathematics	<a href="http://math.syr.edu/ugradminor.htm">http://math.syr.edu/ugradminor.htm</a>
Medieval and Renaissance Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/mrs-medieval-ren-studies/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/mrs-medieval-ren-studies/requirements.html</a>
Medical Anthropology	<a href="http://coursecatalog.syr.edu/2011/programs/medical_anthropology">http://coursecatalog.syr.edu/2011/programs/medical_anthropology</a>
Middle Eastern Studies	<a href="http://middle-eastern-studies.syr.edu/minorreq.htm">http://middle-eastern-studies.syr.edu/minorreq.htm</a>
Music History and Cultures	<a href="http://coursecatalog.syr.edu/2010/programs/music_history_and_cultures">http://coursecatalog.syr.edu/2010/programs/music_history_and_cultures</a>
Native American Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/native-american-studies/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/native-american-studies/requirements.html</a>
Philosophy	<a href="http://philosophy.syr.edu/undergraduate/philosophyminor.html">http://philosophy.syr.edu/undergraduate/philosophyminor.html</a>
Physics	<a href="http://physics.syr.edu/UnMinor.htm">http://physics.syr.edu/UnMinor.htm</a>
Policy Studies	<a href="http://www1.maxwell.syr.edu/paf.aspx?id=498">http://www1.maxwell.syr.edu/paf.aspx?id=498</a>
Political Science	<a href="http://www1.maxwell.syr.edu/psc.aspx?id=434">http://www1.maxwell.syr.edu/psc.aspx?id=434</a>
Psychology	<a href="http://psychology.syr.edu/undergraduate/Minorin_Psychology.html">http://psychology.syr.edu/undergraduate/Minorin_Psychology.html</a>
Religion	<a href="http://coursecatalog.syr.edu/2010/programs/religion2">http://coursecatalog.syr.edu/2010/programs/religion2</a>
Religion and Media	<a href="http://coursecatalog.syr.edu/2010/programs/religion_and_the_media">http://coursecatalog.syr.edu/2010/programs/religion_and_the_media</a>
Religion and Society	<a href="http://thecollege.syr.edu/students/undergraduate/interdisciplinary/religion-and-society/requirements.html">http://thecollege.syr.edu/students/undergraduate/interdisciplinary/religion-and-society/requirements.html</a>
Rhetoric and Public Advocacy	<a href="http://coursecatalog.syr.edu/2010/programs/rhetoric_and_public_advocacy">http://coursecatalog.syr.edu/2010/programs/rhetoric_and_public_advocacy</a>
Russian	<a href="http://coursecatalog.syr.edu/2010/programs/russian">http://coursecatalog.syr.edu/2010/programs/russian</a>
Russian and Central European Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/rces-russ-and-cent-european/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/rces-russ-and-cent-european/requirements.html</a>
Sociology	<a href="http://www1.maxwell.syr.edu/soc.aspx?id=384">http://www1.maxwell.syr.edu/soc.aspx?id=384</a>
South Asian Studies	<a href="http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/south_asian_studies/requirements.html">http://as-cascade.syr.edu/students/undergraduate/interdisciplinary/south_asian_studies/requirements.html</a>
Spanish	<a href="http://coursecatalog.syr.edu/2010/programs/spanish">http://coursecatalog.syr.edu/2010/programs/spanish</a>
Women's and Gender Studies	<a href="http://coursecatalog.syr.edu/2010/programs/womens_and_gender_studies1">http://coursecatalog.syr.edu/2010/programs/womens_and_gender_studies1</a>
Writing	<a href="http://wrt.syr.edu/minor">http://wrt.syr.edu/minor</a>

<b>MINORS AVAILABLE THROUGH THE SCHOOL OF EDUCATION</b>	
Dance	<a href="http://soeweb.syr.edu/academic/exercise_science/undergraduate/minors/dance/default.aspx">http://soeweb.syr.edu/academic/exercise_science/undergraduate/minors/dance/default.aspx</a>
Disability Studies	<a href="http://coursecatalog.syr.edu/2010/programs/disability_studies">http://coursecatalog.syr.edu/2010/programs/disability_studies</a>
Education Studies	<a href="http://coursecatalog.syr.edu/2010/programs/education_studies">http://coursecatalog.syr.edu/2010/programs/education_studies</a>
Exercise Science	<a href="http://coursecatalog.syr.edu/2010/programs/exercise_science1">http://coursecatalog.syr.edu/2010/programs/exercise_science1</a>
Physical Education (Coaching)	<a href="http://coursecatalog.syr.edu/2010/programs/physical_education_coaching">http://coursecatalog.syr.edu/2010/programs/physical_education_coaching</a>

<b>MINORS AVAILABLE THROUGH THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE</b>	
Computer Engineering	<a href="http://coursecatalog.syr.edu/2010/programs/computer_engineering2">http://coursecatalog.syr.edu/2010/programs/computer_engineering2</a>
Computer Science	<a href="http://coursecatalog.syr.edu/2010/programs/computer_science2">http://coursecatalog.syr.edu/2010/programs/computer_science2</a>
Electrical Engineering	<a href="http://coursecatalog.syr.edu/2010/programs/electrical_engineering2">http://coursecatalog.syr.edu/2010/programs/electrical_engineering2</a>
Energy Systems	<a href="http://coursecatalog.syr.edu/2010/programs/energy_systems">http://coursecatalog.syr.edu/2010/programs/energy_systems</a>
Engineering and Computer Science Management	<a href="http://coursecatalog.syr.edu/2010/programs/engineering_computer_sci_mgt">http://coursecatalog.syr.edu/2010/programs/engineering_computer_sci_mgt</a>

<b>MINORS AVAILABLE THROUGH THE DAVID B. FALK COLLEGE OF SPORT AND HUMAN DYNAMICS</b>	
Addiction Studies	<a href="http://coursecatalog.syr.edu/2010/programs/addiction_studies">http://coursecatalog.syr.edu/2010/programs/addiction_studies</a>
Child and Family Policy	<a href="http://coursecatalog.syr.edu/2010/programs/child_and_family_policy">http://coursecatalog.syr.edu/2010/programs/child_and_family_policy</a>
Child and Family Studies	<a href="http://coursecatalog.syr.edu/2010/programs/child_and_family_studies1">http://coursecatalog.syr.edu/2010/programs/child_and_family_studies1</a>
Early Childhood	<a href="http://coursecatalog.syr.edu/2010/programs/early_childhood">http://coursecatalog.syr.edu/2010/programs/early_childhood</a>
Gerontology	<a href="http://coursecatalog.syr.edu/2010/programs/interdisc_minor_in_gerontology">http://coursecatalog.syr.edu/2010/programs/interdisc_minor_in_gerontology</a>
Health and Wellness	<a href="http://coursecatalog.syr.edu/2010/programs/health_and_wellness">http://coursecatalog.syr.edu/2010/programs/health_and_wellness</a>
Hospitality and Food Service Management	<a href="http://coursecatalog.syr.edu/2010/programs/hospitality_food_service_mgt">http://coursecatalog.syr.edu/2010/programs/hospitality_food_service_mgt</a>
Nutrition	<a href="http://coursecatalog.syr.edu/2010/programs/nutrition1">http://coursecatalog.syr.edu/2010/programs/nutrition1</a>
Nutrition Science	<a href="http://coursecatalog.syr.edu/2010/programs/nutrition_science1">http://coursecatalog.syr.edu/2010/programs/nutrition_science1</a>
Public Health	<a href="http://coursecatalog.syr.edu/2010/programs/public_health1">http://coursecatalog.syr.edu/2010/programs/public_health1</a>
Social Welfare	<a href="http://coursecatalog.syr.edu/2010/programs/social_welfare">http://coursecatalog.syr.edu/2010/programs/social_welfare</a>
Sport Management	<a href="http://coursecatalog.syr.edu/2010/programs/sport_management1">http://coursecatalog.syr.edu/2010/programs/sport_management1</a>

<b>MINORS AVAILABLE THROUGH THE SCHOOL OF INFORMATION STUDIES</b>	
Global Enterprise Technology	<a href="http://coursecatalog.syr.edu/2010/programs/global_enterprise_technology">http://coursecatalog.syr.edu/2010/programs/global_enterprise_technology</a>
Information Management and Technology	<a href="http://coursecatalog.syr.edu/2010/programs/information_mgmt_technology">http://coursecatalog.syr.edu/2010/programs/information_mgmt_technology</a>
Information Technology, Design and Startups	<a href="http://ischool.syr.edu/academics/undergraduate/dsminor/index.aspx">http://ischool.syr.edu/academics/undergraduate/dsminor/index.aspx</a>

<b>MINORS AVAILABLE THROUGH THE WHITMAN SCHOOL OF MANAGEMENT</b>	
Accounting	<a href="http://coursecatalog.syr.edu/2010/programs/accounting">http://coursecatalog.syr.edu/2010/programs/accounting</a>
Entrepreneurship and Emerging Enterprises	<a href="http://coursecatalog.syr.edu/2010/programs/entrepreneurship">http://coursecatalog.syr.edu/2010/programs/entrepreneurship</a>
Finance	<a href="http://coursecatalog.syr.edu/2010/programs/finance2">http://coursecatalog.syr.edu/2010/programs/finance2</a>
International Business	<a href="http://coursecatalog.syr.edu/2010/programs/international_business">http://coursecatalog.syr.edu/2010/programs/international_business</a>
Management Studies	<a href="http://coursecatalog.syr.edu/2010/programs/management_studies">http://coursecatalog.syr.edu/2010/programs/management_studies</a>
Marketing	<a href="http://coursecatalog.syr.edu/2010/programs/marketing">http://coursecatalog.syr.edu/2010/programs/marketing</a>
Real Estate	<a href="http://coursecatalog.syr.edu/2010/programs/real_estate">http://coursecatalog.syr.edu/2010/programs/real_estate</a>
Retail Management	<a href="http://coursecatalog.syr.edu/2010/programs/retail_management1">http://coursecatalog.syr.edu/2010/programs/retail_management1</a>
Strategic Management	<a href="http://coursecatalog.syr.edu/2010/programs/strategic_management">http://coursecatalog.syr.edu/2010/programs/strategic_management</a>

<b>MINORS AVAILABLE THROUGH THE NEWHOUSE SCHOOL OF PUBLIC COMMUNICATIONS</b>	
Communications Photography	<a href="http://coursecatalog.syr.edu/2010/programs/communications_photography">http://coursecatalog.syr.edu/2010/programs/communications_photography</a>
Public Communications Studies	<a href="http://coursecatalog.syr.edu/2010/programs/public_communications_studies">http://coursecatalog.syr.edu/2010/programs/public_communications_studies</a>

<b>MINORS AVAILABLE THROUGH THE COLLEGE OF VISUAL AND PERFORMING ARTS</b>	
Animation	<a href="http://coursecatalog.syr.edu/2010/programs/animation">http://coursecatalog.syr.edu/2010/programs/animation</a>
Communication and Rhetorical Studies	<a href="http://coursecatalog.syr.edu/2010/programs/communication_rhetorical_studies">http://coursecatalog.syr.edu/2010/programs/communication_rhetorical_studies</a>
Computer Gaming	<a href="http://coursecatalog.syr.edu/2010/programs/computer_gaming">http://coursecatalog.syr.edu/2010/programs/computer_gaming</a>
Fashion Design	<a href="http://coursecatalog.syr.edu/2010/programs/fashion_design1">http://coursecatalog.syr.edu/2010/programs/fashion_design1</a>
Leadership/Stewardship Communication	<a href="http://vpa.syr.edu/crs/minors/leadership-stewardship">http://vpa.syr.edu/crs/minors/leadership-stewardship</a>
Music Industry	<a href="http://coursecatalog.syr.edu/2010/programs/music_industry1">http://coursecatalog.syr.edu/2010/programs/music_industry1</a>
Music Performance	<a href="http://coursecatalog.syr.edu/2010/programs/music_performance">http://coursecatalog.syr.edu/2010/programs/music_performance</a>
Theatre	<a href="http://coursecatalog.syr.edu/2010/programs/theater">http://coursecatalog.syr.edu/2010/programs/theater</a>
Visual Culture	<a href="http://coursecatalog.syr.edu/2010/programs/visual_culture">http://coursecatalog.syr.edu/2010/programs/visual_culture</a>

<b>MINORS AVAILABLE THROUGH SUNY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY</b>	
Bioprocess Science	<a href="http://coursecatalog.syr.edu/2010/programs/bioprocess_science_esf">http://coursecatalog.syr.edu/2010/programs/bioprocess_science_esf</a>
Construction Management	<a href="http://coursecatalog.syr.edu/2010/programs/construction_management-esf">http://coursecatalog.syr.edu/2010/programs/construction_management-esf</a>
Landscape Architecture	<a href="http://coursecatalog.syr.edu/2010/programs/landscape_architecture-esf">http://coursecatalog.syr.edu/2010/programs/landscape_architecture-esf</a>
Natural Resources and Environmental Policy	<a href="http://coursecatalog.syr.edu/2010/programs/natural_resources_environmental_policy-esf">http://coursecatalog.syr.edu/2010/programs/natural_resources_environmental_policy-esf</a>
Paper Science	<a href="http://coursecatalog.syr.edu/2010/programs/paper_science_esf1">http://coursecatalog.syr.edu/2010/programs/paper_science_esf1</a>
Recreation Resource and Protected Area Management	<a href="http://coursecatalog.syr.edu/2010/programs/recreation_resource_and_protected_area_management-esf">http://coursecatalog.syr.edu/2010/programs/recreation_resource_and_protected_area_management-esf</a>
Renewable Energy	<a href="http://coursecatalog.syr.edu/2010/programs/renewable_energy_esf">http://coursecatalog.syr.edu/2010/programs/renewable_energy_esf</a>
Sustainable Construction Management	<a href="http://coursecatalog.syr.edu/2010/programs/sustainable_construction_management-esf">http://coursecatalog.syr.edu/2010/programs/sustainable_construction_management-esf</a>

# Official Declaration of a Major

## STEPS FOR DECLARING A MAJOR

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1. Discuss pursuing a major with the Principal Advisor representing the major.
2. Obtain the "Declaration of Major" form from the Advising and Academic Support website: [http://thecollege.syr.edu/students/undergraduate/advising\\_academic\\_support/academic\\_forms.html](http://thecollege.syr.edu/students/undergraduate/advising_academic_support/academic_forms.html).
3. Fill out the form as indicated. *Remember to list all of your majors on the form.*
4. Take the form to your major department office(s) and obtain the necessary signature(s) of the Department Chairperson(s) or Principal Advisor(s). Faculty advisors are assigned to upper-division students by the individual departments *after* students have officially declared their academic majors. Advising systems vary. In some departments, Principal Advisors personally advise all majors while, in others, they coordinate the efforts of a group of faculty advisors. *Students should ask their Principal Advisors how advising is handled in their departments or programs.* It is the student's responsibility to schedule advising appointments with the faculty advisor(s) to review the student's academic progress and to have the student's advising hold lifted before registration time.
5. Sign and date the form in the spaces provided. Return the form to 329 Hall of Languages for the Dean's signature.

## OTHER MAJOR DECLARATION CONCERNS

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- All coursework for a major must be taken for a letter grade.
- Of the upper-division credits counted toward the completion of a major, at least 12 must be Syracuse University letter grade and coursework.
- An Arts and Sciences student is not officially considered to have declared that major until the "Declaration of Major Form" has been completed and is on file in his/her college office. The major is not officially declared simply by the listing of a particular major on other University forms.
- Each Arts and Sciences student must file the "Declaration of Major Form" **following the completion of 54 credits** (junior standing). *Any student who has **not** done so will not be permitted to register until the "Declaration of Major Form" is on file and will receive a "no plan" hold on his/her account.*
- New York State Tuition Assistance Program (TAP) recipients must declare official majors and have them show on the Student Records System before the first day of the semester of achievement of junior class status—that is, having earned 54 total credits. Failure to do so will make students ineligible for TAP after that point.
- Any Arts and Sciences student expecting to earn the B.S. degree (in Economics, Communication Sciences and Disorders, Mathematics, Psychology, or any of the natural sciences) must, during the senior year, file with the Dean's Office the "Petition to Receive the Bachelor of Science Degree," signed by the Department Chairperson.
- Students declaring a major in the Selected Studies Program must have obtained final approval of their program from the Selected Studies Program Committee.
- Singly enrolled students (i.e., students enrolled in only The College of Arts and Sciences) are required to earn at least 96 Arts and Sciences credits in order to graduate. Up to 24 non-Arts and Sciences credits may be counted toward the minimum 120 credits required for graduation. Requirements may differ for some Selected Studies programs.
  - \* In dual programs, a maximum of 30 credits outside The College of Arts and Sciences may be counted toward the 120, so that at least 90 credits are taken in The College.
  - \* Combined degrees require 96 Arts and Sciences credits. The minimum total credits is 150.
  - \* A maximum of six credits of upper-division coursework (300 and above) may overlap between two or more majors or minors.
  - \* A 2.0 GPA is required in the upper-division coursework (300 and above) counted toward the major(s).

# Official Declaration of a Minor

A minor offers an excellent opportunity to blend another subject area into your degree program on a smaller scale. A minor may be related to and complement your major, or it may be in a completely different academic or professional area. The completed minor appears on your transcript after you graduate. It highlights another dimension of your educational background that can support an application for graduate study or employment.

- A minor is a grouping of six or more courses, totaling 18 to 21 credits, of which 12 credits are usually in 300- to 400-level courses.
- Requirements for the respective minors may be found in the *SU Undergraduate Course Catalog*.
- The department offering the minor determines which courses are required and any course exceptions or equivalents.

## STEPS FOR DECLARING A MINOR

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1. Discuss pursuing a minor with an advisor in the department offering the minor. Obtain the "Declaration of Minor" form from the Advising and Academic Support website: [http://thecollege.syr.edu/students/undergraduate/advising\\_academic\\_support/academic\\_forms.html](http://thecollege.syr.edu/students/undergraduate/advising_academic_support/academic_forms.html) Read the instructions carefully. *This form **must** be completed by you and an advisor from the department offering the minor.*
2. Consult with a Counselor of Academic Services in 329 Hall of Languages to determine how the minor will fit into your degree program.
3. Return the form to 329 Hall of Languages for the home college's approval. The minor appears on your final transcript once your degree has been certified.

## OTHER MINOR DECLARATION CONCERNS

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- All coursework for a minor must be taken for a letter grade.
- At least 15 credit hours for a minor must be completed at Syracuse University (any coursework taken as transfer credit must be pre-approved by the minor department).
- A maximum of six upper-division credits may overlap between two or more majors or minors.
- A GPA of 2.0 in upper-division minor courses is required to satisfy the minor.
- Minors through schools and colleges outside of Arts and Sciences are subject to the 96 credit hour rule in Arts and Sciences.
- Use of the "Declaration of Minor" form implies that you are following the requirements of the minor as listed in the *SU Undergraduate Course Catalog*. Any alternates to these required courses should be submitted on this form under the "Comment Area" at the bottom. These alternates must be approved by the advisor in the department offering the minor.

## Dual, Combined, Double, and Other Programs of Study

The programs listed below generally allow for the completion of a major program of study in The College of Arts and Sciences and the completion of a second major in another school or college at Syracuse University. For formal definitions of the terms "dual," "combined," and "double" major, and for further information regarding these programs, consult the individuals listed below as well as the *SU Undergraduate Course Catalog*.

- **Arts and Sciences/Art**\_\_\_\_\_ Professor Wayne Franits  
The College of Arts and Sciences  
308 Bowne Hall (315.443.5038)
- **Arts and Sciences/Music**\_\_\_\_\_ Professor Stephen Meyer  
The College of Arts and Sciences  
308 Bowne Hall (315.443.5034)
- **Arts and Sciences/Public Communications**\_\_\_\_\_ Rosanna Grassi, Associate Dean  
S. I. Newhouse School of Public Communications  
315 Newhouse 3 (315.443.1908)
- **Arts and Sciences/Engineering**\_\_\_\_\_ Maria Marceau, Director of Student Records  
(a combined program of study leading to a bachelor's degree in The College of Arts and Sciences and a bachelor's degree in the L. C. Smith College of Engineering and Computer Science) L. C. Smith College of Engineering and Computer Science  
223 Link Hall (315.443.5191)
- **Arts and Sciences/Education**\_\_\_\_\_ Amie Redmond, Assistant Dean  
Pamela Hachey, Assistant Dir. of Academic Advising (A-K)  
Carol Radin, Assistant Dir. of Academic Advising (M-Z)  
School of Education  
270 Huntington Hall (315.443.2526)

Note: Education as a profession undergoes frequent re-evaluation of academic program requirements for certification. New York State and other states have revised their certification requirements. Their requirements could have an impact on your selection of undergraduate courses, and the time span within which you have to earn a master's degree in order to be certified to teach. If you are exploring Education as a field of study, you should first see Amie Redmond, Assistant Dean for Academic and Student Services, in the School of Education. Then meet with the appropriate dual program advisor:

*English Education*\_\_\_\_\_ Professor Kelly Chandler-Olcott  
School of Education  
200 Huntington Hall (315.443.5183)

*Mathematics Education*\_\_\_\_\_ Professor Joanna Masingila  
The College of Arts and Sciences  
203 Carnegie Library (315.443.1483)

*Science Education*\_\_\_\_\_ Professor John Tillotson  
Science Education  
112 Heroy Geology Lab (315.443.9137)

*Social Studies Education*\_\_\_\_\_ Professor Jeffery Mangram  
School of Education  
152 Huntington Hall (315.443.2685)

# Career Suggestions for Selected Majors

Although majoring in the liberal arts generally does not involve specific professional, technical, or vocational training, it does foster invaluable career skills, such as creativity, critical thinking, sound decision-making, and effective communication. For this reason, liberal arts majors are seen as very marketable job candidates. This has especially been the case in recent years, when the liberal arts major has undergone a renaissance in the eyes of corporate and business leaders. Surveys indicate that businesses are hiring and promoting more liberal arts graduates than ever before. Fortune reports that 38 percent of today's CEOs majored in liberal arts, and according to collegenews.org, 19 percent of US presidents were liberal arts majors.

— Top Careers for Liberal Arts Graduates

AFRICAN AMERICAN STUDIES			
Advertising Agent	Community Relations Rep.	Government Employee	Linguist
Affirmative Action Rep.	Copy Editor	Health Administrator	Museum Worker
Anthropologist	Counselor	Health Care Worker	Professor
Biographer	Creative Writer	Historian	Psychologist
Business Manager	Diversity Consultant	Human Resource Specialist	Researcher
Businessperson	Employment Counselor	Human Services Employee	Resource Preservationist
Civil Service Worker	Ethnologist	International Relations Specialist	Social Services Administrator
Community Educator	Foreign Affairs Officer	Journalist	Sociologist
Community Organizer	Genealogist	Lawyer	Teacher (K-12)
Community Planner	Geographer	Legislative Aide	Urban/Regional Planner

ANTHROPOLOGY			
Advertising Media Planner	Government Employee	Legislative Aide	Reporter/Staff Writer
Affirmative Action Rep.	Grant Writer	Librarian	Research Assistant
Archaeological Technician	Historical Research Assistant	Lobbying Researcher	Sales/Marketing Associate
Archivist/Historian	Historical Society Employee	Market Research Assistant	Social Services Administrator
Art Historian/Art Educator	Hospitality Representative	Museum Administrative Assistant	Sociological Research Assistant
Biomedical Research Assistant	Human Resources Recruiter	Museum Curator	Survey Assistant
Cartographer	Human Services Assistant	Paralegal	Teacher (K-12)
Cultural Resource Manager	Immigration Agent	Political Campaign Worker	Technical Writer
Customs/Immigration Officer	Institutional Historian	Preservationist	Trade Show Coordinator
Environmental Researcher	Intelligence Agent	Professor	Travel Agent/Consultant
Foreign Service Officer	Investment Banking Analyst	Public Affairs Coordinator	Underwriter
Freelance Writer	Labor Relations Researcher	Public Relations Specialist	Urban/Regional Planner
Genealogist	Law Enforcement Officer	Radio/TV Researcher	Volunteer Coordinator

BIOLOGY / BIOCHEMISTRY / BIOPHYSICAL SCIENCE/ BIOTECHNOLOGY			
Agricultural Inspector	Dietitian	Lobbyist	Researcher
Animal Breeder	FDA Inspector	Marine Biologist	Scientist
Analyst	Forest Ranger	Medical Illustrator	Teacher (K-12)
Bacteriologist	Forester	Microbiologist	Technical Salesperson
Biochemist	Geneticist	Museum Assistant	Technical Writer
Biological Photographer	Health Educator	Medical Technologist	
Botanist	Industrial Research Worker	Park Naturalist	
Computational Biologist	Insurance Claim Examiner	Physician/Physician Assistant	
Conservation Educator	Laboratory Technician	Public Health Worker	
Consumer Protection Agent	Lawyer	Professor	
Dentist	Librarian	Bioinformatics Engineer	

<b>CHEMISTRY / BIOCHEMISTRY</b>			
Agricultural Scientist	EPA Inspector	Metallurgical Engineer	Radiologist
Agronomist	FDA Inspector	Microbiologist	Researcher
Anesthesiologist	Fire Protection Engineer	Oceanographer	Science Laboratory Technician
Banker/Financial Consultant	Food Scientist/Technologist	Optometrist	Scientific Journalist
Biochemist/Molecular Biologist	Forensic Scientist	Patent Examiner/Patent Lawyer	Soil Scientist
Ceramic Engineer	Geochemist	Pharmaceutical Salesperson	Teacher (K-12)
Chemical Engineer	Geologist	Pharmacist	Technical Writer
Chemist	Health Educator	Physician/Physician Assistant	Toxicologist
Clinical Specialist	Hydrologist/Hydrogeologist	Product Development Manager	Veterinarian
Consumer Health Specialist	Industrial Health Engineer	Professor	Water Purification Chemist
Dentist	Industrial Hygienist	Psychiatrist	Wastewater Plant Operator
Dietitian	Laboratory Analyst	Public Policy Analyst	
Entomologist	Lawyer	Public Relations Specialist	
Environmental Engineer	Medical Administrator	Quality Control Specialist	

<b>CLASSICS / CLASSICAL CIVILIZATION</b>			
Advertising Agent	Credit Analyst	Lawyer	Publisher
Anthropologist	Curator	Librarian/Information Specialist	Research/Policy Analyst
Antiques Dealer	Dig Site Assistant	Lobbyist	Restoration Architect
Archeologist	Diplomat	Mediator	Seminary Teacher
Architectural Conservationist	Docent	Missionary	Social Services Administrator
Archivist	Editor	Museum Administrator	Social Worker
Art Buyer/Consultant/Critic	Foreign Service Officer	Paralegal	Special Programs Advisor
Author/Writer	Fundraiser/Grant Writer	Press Secretary	Teacher (K-12)
Business Administrator	Genealogist	Professor	Technical Writer
Clergyperson	Government Employee	Public Policy Manager	Tour Guide
Communications Specialist	Historian	Public Relations Representative	Translator
Community Affairs Specialist	Historical Society Librarian	Public Service Official	Travel Agent/Consultant
Counselor	Journalist	Publicist	

<b>COMMUNICATION SCIENCES AND DISORDERS</b>			
Acoustical Engineer	Medicaid Eligibility Specialist	Otolaryngologist	Rehabilitation Counselor
Activities Director	Medical Transcriptionist	Pathologist	Sign Language Interpreter
Audiologist	Neonatologist	Pediatrician	Special Education Teacher
Behavioral Specialist	Neurologist	Physical Therapist	Speech Aide
Early Intervention Specialist	Observationalist	Psychologist	Speech and Hearing Therapist
Hearing Aid Designer	Occupational Therapist	Reading Teacher	Speech/Language Pathologist
Industrial Hygienist	Optometrist	Recreational Therapist	Teacher (K-12)

<b>EARTH SCIENCES</b>			
Aerial Photographer	Geologist	Oceanographer	Scientific Photographer
Agricultural Engineer	Geophysicist	Paleoceanographer	Sedimentologist
Architect	Geophysics Technician	Paleoclimatologist	Seismologist
Astronomer	Glacial Geologist	Paleontologist	Soil Scientist
Cartographer	Hydrologist/Hydrogeologist	Park Naturalist	Structural Geologist
Computer Analyst	Industrial Hygienist	Park Ranger	Surveyor
Consultant	Instrumentation Technician	Peace Corps Volunteer	Teacher (K-12)
Cooperative Extension Agent	Laboratory Technician	Petroleum Engineer	Technical Writer/Communicator
Curator	Landscaper/Nursery Manager	Petrologist	Urban/Regional Planner
Economic Geologist	Marine Advisor	Physician	Volcanologist
Environmental Consultant	Materials Analyst	Planetary Geologist	Waste Management Specialist
Environmental Geologist	Mathematician	Pollution Control Specialist	Water Quality Control Tech.
Environmental Lawyer	Meteorologist	Professor	Water Remote Sensing Tech.
Foreign Service Officer	Mineralogist	Project Manager	Well Logging Specialist
Forest Ranger	Mining Engineer	Prospector	
Geochemist	Natural Resource Manager	Sales Engineer	

<b>ECONOMICS</b>			
Accountant	Foreign Trade Analyst	Manager	Securities Analyst
Actuarial Assistant	Higher Education Administrator	Market Research Analyst	Small Business Owner
Advertising Copywriter	Highway Planner	Merchandiser	Social Security Administrator
Appraiser	Housing Development Aide	Mortgage Specialist	Staff Development Specialist
Budget Office Assistant	Information Analyst	Pension Consultant	Staff Trainer
Business Publication Editor	Insurance Claim Analyst	Professor	Statistician
Commodities Broker	Insurance Underwriter	Public Relations Media Planner	Stock Broker
Computer Programmer	Investment Banker	Public Survey Interviewer	Strategic Planner
Credit Analyst	Journalist/Columnist	Purchasing Agent	Systems Analyst
Economic Forecaster	Labor Union Manager	Real Estate Agent	Tax Auditor
Economic Analyst	Lawyer	Regional/Urban Planner	Teacher (K-12)
Educational TV Advisor	Legislative Assistant	Researcher	Technical Writer
Financial/Investment Analyst	Lobbyist	Retail Buyer	Traffic Manager
Financial Planner	Management Consultant	Sales/Marketing Associate	Trust Administrator

<b>ENGLISH AND TEXTUAL STUDIES</b>			
Actor	Environmental Researcher	Judicial Clerk	Public Relations Writer
Administrative Assistant	Film Production Assistant	Labor Relations Researcher	Publications Design Assistant
Advertising Agent	Film Researcher	Lawyer	Publications Researcher
Archivist	Financial Researcher	Legislative Aide	Radio/TV Program Assistant
Author	Foreign Service Officer	Librarian	Radio/TV Researcher
Bookstore Salesperson	Freelance Journalist	Lobbying Organizer	Reporter/Staff Writer
Circulation Assistant	Freelance Writer	Manager	Researcher
Communications Specialist	Genealogist	Market Research Assistant	Retail Buyer
Community Organizer	Graphic Arts Designer	Media Liaison	Sales/Marketing Associate
Copy Editor	Grant Writer	Medical Research Assistant	Script Writer
Copywriter	Historical Projects Coordinator	Newspaper Reporter	Speech Writer
Correspondent	Historical Research Assistant	Office Manager	Survey Assistant
Credit Analyst	Hospitality Representative	Paralegal	Teacher (K-12)
Customer Trainer	Human Services Employee	Personnel Manager	Teacher of English Abroad
Editor	Instructional Designer	Policy and Procedures Analyst	Technical Writer
Editorial Assistant	Insurance Underwriter	Political Campaign Worker	Urban/Regional Planner
Educational Researcher	Intelligence Agent	Professor	Volunteer Coordinator
Educational Sales Rep.	Investment Banking Analyst	Public Affairs Coordinator	
Employee Newsletter Editor	Journalist	Public Relations Representative	

<b>ETHNIC AND AREA STUDIES</b>			
Admissions Counselor	Dancer	Journalist	Recreation Worker
Anthropologist	Demographer	Lawyer	Researcher
Archivist	Diversity Consultant	Lecturer	Social Worker
Biographer	Economic Development Analyst	Linguist	Sociologist
Community Educator	Employment Counselor	Museum Curator	Teacher (K-12)
Community Organizer	Ethnologist	Museum Educator	Teaching Assistant
Copy Editor	Foreign Area Specialist	Music Historian	Translator
Costume Designer	Foreign News Correspondent	Museum Photographer	Travel Agent/Consultant
Counselor	Genealogist	Non-Profit Director	Urban/Regional Planner
Cultural Advisor	Geographer	Peace Corps Volunteer	Volunteer Coordinator
Cultural Affairs Officer	Grant Writer	Professor	Web Reporter
Cultural Resource Manager	Historian	Psychologist	Writer
Curriculum Specialist	Human Rights Advocate	Public Affairs Coordinator	
Customs/Immigration Officer	Interpreter	Radio/TV Announcer	

FINE ARTS / ART HISTORY			
Adult Education Instructor	Artist Representative	Curatorial Consultant	Portrait Artist (People/Animals)
Animator	Arts Administrator	Desktop Publisher	Private Teacher
Antiquarian Book Trader	Arts Council Director	Estate Appraiser	Professor
Antiques Dealer	Arts Manager	Fashion Illustrator	Publisher
Architectural Model Builder	Arts Organization Consultant	Furniture Designer	Researcher
Architectural Preservationist	Author/Writer	Graphic Designer	Sculptor
Architectural Renderer	Book Jacket Designer	Greeting Card Designer	Sign Painter
Archivist	Book/Magazine Illustrator	Interior Decorator	Software Designer/Illustrator
Art Advisor/Consultant	CAD Designer	Jewelry Designer	Stained Glass Artisan
Art Appraiser	Calligrapher/Letterer	Medical Illustrator	Stamp Designer
Art Critic	Camp Counselor (Arts & Crafts)	Movie Studio Art Director	Stone Memorial Designer
Art Director	Caricaturist/Cartoonist	Multimedia Artist/Producer	Store Display/Window Artist
Art Gallery Manager/Owner	CD/Record Cover Designer	Mural Designer/Painter	Tattoo Artist
Art Historian	Ceramist/Potter	Museum Assistant/Director	Teacher (K-12)
Art Investment Advisor	Collection Manager	Museum Educator	Technical Illustrator
Art Lawyer	Color Consultant	Museum Exhibit Designer	Textile Designer
Art Librarian	Commercial Artist	Painting Restorer	Theater Scenery Painter
Art Museum/Gallery Guide	Computer Game Animator	Parade Float Designer	Webpage Designer
Art Preservationist	Conceptual Artist	Paste-Up/Layout Artist	Wildlife Artist
Art Teacher	Corporate Art Consultant	Photographer	Woodcarver
Art Therapist	Courtroom Sketch Artist	Picture Framer	
Artist	Craft Designer/Artist	Police Sketch Artist	

GEOGRAPHY			
Aerial Photo Interpreter	Economic Development Analyst	Map Librarian/Curator	Site Researcher
Agricultural Extension Agent	Energy Analyst	Market Researcher	Soil Conservationist
Air Quality Analyst	Environmental Conservationist	Natural Resources Scientist	Surveyor
Airline Cargo Marketing Exec.	Environmental Manager	Oceanographer	Teacher (K-12)
Area Specialist	Environmental Scientist	Outdoor Guide	Meteorologist
Atmospheric Geographer	Forestry Technician	Park Ranger	Tourism Developer
Cartographer	GIS Specialist	Peace Corps Volunteer	Town Planning/Zoning Director
Census Geographer	Hazardous Waste Planner	Physical Scientist	Transportation Planner
Civil Engineer	Health Services Planner	Professor	Travel Agent
Climatologist	Housing Developer	Real Estate Agent/Broker	Urban/Regional Planner
Coastal Zone Manager	Hydrologist	Real Estate Appraiser	Utilities Research Analyst
Community Planner/Developer	International Business Rep.	Recycling Coordinator	Water Conservationist
Conservation Educator	Land Use Planner	Regional Geographer	Water Resources Planner
Demographic Analyst	Location Expert	Remote Sensing Analyst	Wetlands Conservationist
Ecologist	Map Analyst	Route Delivery Manager	Zoning Enforcement Inspector

HISTORY			
Actuary	Educational Researcher	International Relations Specialist	Politician
Advertising Media Planner	Educational Sales Rep.	Interpreter	Professor
Affirmative Action Rep.	Environmental Administrator	Investment Banking Analyst	Psychologist
Anthropologist	Environmental Researcher	Journalist	Public Affairs Coordinator
Antiques Dealer	Film Production Assistant	Judicial Clerk	Public Relations Specialist
Archeologist	Film Researcher/Copywriter	Labor Relations Researcher	Publications Researcher
Architectural Drafter/Technician	Foreign Area Specialist	Lawyer	Publishing Assistant
Archivist	Foreign News Correspondent	Lecturer	Radio/TV Researcher
Art Historian/Educator	Foreign Service Officer	Legal Assistant/Paralegal	Researcher
Author/Writer	Freelance Writer	Legislative Aide	Sales/Marketing Associate
Bank Research Analyst	Genealogist	Librarian/Library Aide	Sociologist
Broadcaster	Government Employee	Lobbyist/Lobbying Researcher	Special Collections Librarian
Clergyperson	Graphic Artist	Management Consultant	Stockbroker
Community Relations Director	Historian	Market Researcher	Survey Assistant
Congressional Aide	Historic Site Tour Guide	Media Consultant	Teacher (K-12)
Consumer Advocate	Historical Society Worker	Museum Curator	Technical Writer
Costume Designer	Historical Preservationist	Park Historian/Park Ranger	Telecommunications Analyst
Counselor	Historical Projects Coordinator	Peace Corps Volunteer	Textbook Salesperson/Editor
Criminologist	Historical Research Assistant	Photographer	Trade Show Coordinator
Demographer	Insurance Agent/Broker	Political Campaign Worker	Travel Agency Tour Guide
Economist	Insurance Underwriter	Political Scientist	Travel Agent/Consultant
Editor/Editorial Assistant	Intelligence Agent/Analyst	Preservationist	Urban/Regional Planner

<b>HISTORY OF ARCHITECTURE</b>			
Advertising Agent	Artist Representative	Engineer	Interior Designer
Antiquarian Book Trader	Arts Organization Consultant	Estate Appraiser	Landscape Architect
Antiques Dealer	Building Contractor	Freelance Collection Manager	Museum Worker
Architect	Conservator	Freelance Writer	Product Designer
Architectural Historian	Construction Manager	Government Employee	Professor
Architectural/Historical Restorer	Consumer Educator/Researcher	Graphic Designer	Publisher
Architectural Preservationist	Contractor	Historic Preservationist	Regional Planner
Art Advisor	Corporate Curator	Historical Sites Expert	Surveyor
Art Gallery Manager/Owner	Curatorial Consultant	Independent Producer	Teacher (K-12)
Art Investor	Designer	Industrial Designer	Technical Writer
Art Lawyer	Developer	Inspector	Town/City Planner
Art Librarian	Draftsperson	Interior Architect	Urban Designer

<b>INTERNATIONAL RELATIONS</b>			
Author/Writer	Foreign Correspondent	Labor Economist	Political Scientist
Banker/Financial Consultant	Foreign Exchange Trader	Labor Relations Specialist	Professor
Commodities Broker	Foreign Service Officer	Language Specialist	Public Relations Specialist
Customs/Immigration Officer	Human Rights Activist/Analyst	Lawyer	Securities Analyst
Diplomat	Immigration Specialist	Legal Researcher	Shipping Broker
Economist	Importer	Legislative Assistant/Researcher	Social Services Administrator
Editor	Intelligence Agent/Analyst	Lobbyist	Teacher (K-12)
Elections Observer	International Lawyer	Market Research Analyst	Technical Information Officer
English Teacher	International Relations Officer	Media Relations Consultant	Translator
Federal Security Officer	International Trade Analyst	Paralegal/Legal Assistant	Travel Agent
Foreign Affairs Analyst	Interpreter	Peace Corps Volunteer	United Nations Representative
Foreign Affairs Specialist	Journalist	Political Risk Analyst	

<b>LANGUAGES, LITERATURES, AND LINGUISTICS</b>			
Actor	Foreign Area Specialist	International Student Advisor	Professor
Advertising Copywriter	Foreign Correspondent	International Trade Economist	Proofreader
Airline Employee	Foreign Exchange Trader	Interpreter	Public Health Educator
Anthropologist	Foreign Language Teacher	Journalist	Public Relations Specialist
Archivist/Curator	Foreign News Editor	Lawyer	Publisher
Bilingual Educator	Foreign News Translator	Librarian	Radio Announcer
Bilingual Secretary	Foreign Service Officer	Linguist	Social Service Program Director
Clergyperson	Government Employee	Manufacturer's Representative	Social Worker
Court Interpreter	Hospital Admitting Clerk	Media Specialist	Teacher (K-12)
Customs/Immigration Officer	Hotel Information Clerk	Museum Guide/Tour Guide	Teacher of English Abroad
Diplomat	Hotel Manager	Museum Technician	Technical Writer
Drug Enforcement Agent	Immigration Agent	Negotiator	Tour Guide/Organizer
Editor	Intelligence Agent	Peace Corps Volunteer	Translator
Export-Import Firm Employee	International Booking Officer	Pharmaceutical Representative	Travel Agent
Film Editor	International Broadcaster	Probation Officer	World Trade Manager

<b>MATHEMATICS/ APPLIED MATHEMATICS</b>			
Accountant	Computer Scientist	Hydrologist	Public Health Statistician
Actuary	Consultant	Income Tax Expert	Purchasing/Contract Agent
Aerospace Engineer	Contracts Administrator	Information Scientist	Quality Assurance Analyst
Air Traffic Controller	Cost Analyst/Estimator	Insurance Underwriter	Rate Analyst
Applications Programmer	Cryptographer/Cryptologist	Inventory Control Specialist	Researcher
Applied Science Technologist	Data Control Administrator	Investments Advisor	Risk Analyst
Artificial Intelligence Specialist	Data Processing Auditor	Credit/Loan Officer	Robotics Programmer
Astronomer	Database Manager	Manager	Satellite Communications Tech.
Banking Industry Employee	Demographer	Market Research Analyst	Software Developer/Engineer
Benefits Administrator	Economist	Mathematician	Software Support Specialist
Biometrician/Biostatistician	Employee Relations	Meteorologist	Statistician
Cartographer	Engineer	Mortgage Researcher	Systems Analyst
Commodity Manager	Engineering Lab Technician	Network Programmer	Systems Engineer
CAD Technician	Environmental Technologist	Numerical Analyst	Systems Programmer
Computer Consultant	Estate Planner	Operations Research Analyst	Teacher (K-12)
Computer Engineer	External Auditor	Pension Consultant	Technical Support Rep.
Computer Facilities Manager	Financial Auditor	Physicist	Technical Writer
Computer Installer	Financial Consultant	Production Manager	Transportation Planner
Computer Marketing Rep.	Financial Manager	Professor	Treasury Worker
Computer Programmer	Government Employee	Property Appraiser	Urban/Regional Planner

<b>MUSIC HISTORY AND CULTURES</b>			
Accompanist	Conductor	Music Critic	Production Assistant
Actor	Consultant	Music Historian	Professor
Advertising Agent	Counselor	Music Librarian	Publicist
Arranger/Composer	Digital Audio Editor	Music Producer	Road Manager
Arts Management	Disc Jockey	Music Publisher	Sales Manager
Audiologist	Ethnomusicologist	Music Recording Technician	Sound Designer
Booking Agent	Fundraiser	Music Therapist	Studio Musician
Broadcaster	Human Resources Manager	Music Video Director/Producer	Symphony Member
Business Manager	Jazz/Pop Musician	Musical Director	Teacher (K-12)
Cantor	Journalist	Musical Instrument Designer	Technical Writer
Chamber Musician	Lawyer	Musical Instrument Repairer	Theatre Manager
Choir Director	Linguist	Organist	Tour Coordinator
Choral Singer	Marching Band Director	Private Music Instructor	Voice Coach

<b>PHILOSOPHY / POLITICAL PHILOSOPHY</b>			
Advertising Agent	Corporate Trainer	Intelligence Agent	Public Administrator
Arbitrator	Counselor	Investment Banker	Public Information Officer
Archivist	Diplomat	Journalist	Public Policy Specialist
Author/Writer	Employee Relations Specialist	Lawyer	Public Relations Specialist
Business Manager	Ethics Researcher	Lobbyist	Publications Specialist
Child Welfare Worker	Financial Planner	Management Consultant	Realtor
Claims Examiner	Foreign Correspondent	Manager	Researcher
Clergyperson	Foreign Service Officer	Market Researcher	Sales/Marketing Associate
Conflict Resolution Specialist	Fundraiser	Non-Profit Director	Social Services Administrator
Congressional Staffer	Government Employee	Paralegal	Social Worker
Consultant	Hospital Administrator	Personnel Recruiter	Travel Consultant
Consumer Advocate	Human Resources Specialist	Professor	Youth Counselor
Copy Editor/Writer	Insurance Agent/Broker	Psychologist	

PHYSICS / BIOPHYSICAL SCIENCE			
Acoustical Engineer	Counselor	Lawyer	Pharmacologist
Aerospace Engineer	Electrician	Machinist	Photo-optics Technician
Agronomist	Electronics Engineer	Materials Engineer	Physicist
Air Traffic Controller	Electroplater	Mathematician	Product Safety Engineer
Airline Dispatcher	Engineering Technologist	Mechanical Engineer	Professor
Airplane Pilot	Environmental Scientist	Medical Lab Technician	Quality Control Specialist
Analytical Chemist	Fire Prevention Engineer	Medical Physicist	Radio Engineer
Architect	Flight Engineer	Medical Technologist	Researcher
Astronaut	Forensics Lab Technician	Metallurgist	Science Journal Editor
Astronomer	Geophysicist	Meteorologist	Seismologist
Atmospheric/Space Scientist	Government Employee	Microbiologist	Software Engineer
Aviation Inspector	Hydrologist	Mining/Geological Engineer	Teacher (K-12)
Biomedical Engineer	Information Scientist	Occupational Safety Specialist	Technical Librarian
Chemical Engineer	Inspector	Optometrist	Technical Writer
Computer Programmer	Instrumental Technician	Patent Examiner	Textbook Salesperson/Editor
Computer Systems Engineer	Laboratory Technician	Petroleum Engineer	X-Ray Technologist
Consultant	Laser Technician	Pharmaceutical Salesperson	

POLICY STUDIES			
Account Executive	Environmental Advocate	Legislative Assistant	Real Estate Analyst
Accounts Manager	Environmental Affairs Manager	Lobbyist	Researcher
Advertising Salesperson	Environmental Scientist	Management Consultant	Sales/Marketing Associate
Airport Projects Manager	Equity Trader	Marketing Manager	Senior Program Assistant
Appraiser	Financial Advisor	Medical Marketing Manager	Senior Research Analyst
Bank Auditor	Financial Analyst	Non-Profit Director	Service Operations Specialist
Commercial Real Estate Broker	Freelance Writer/Researcher	Paralegal/Legal Assistant	State Representative
Computer Manager	Government Affairs Manager	Professor	Strategist
Computer Salesperson	Hospital Administrator	Program Administrator	Systems Analyst
Consultant	Human Resources Manager	Program Analyst	Tax Analyst
Consumer Advocate	Insurance Agent	Program Associate	Town Councilor
Director of Alumni Affairs	Law Clerk	Project Manager	Urban/Regional Planner
Economist	Law Enforcement Officer	Projects Assistant	
Editorial Assistant	Lawyer	Public Relations	

POLITICAL SCIENCE / POLITICAL PHILOSOPHY			
Advertising Agent	Economic Development Analyst	Law Enforcement Officer	Public Interest Worker
Archivist	Editor	Lawyer	Public Policy Consultant
Banker/Financial Consultant	Financial Analyst	Legislator/Legislative Analyst	Public Transportation Specialist
Benefits Administrator	Foreign Service Officer	Lobbyist	Real Estate Salesperson
Budget Officer/Analyst	Fundraiser	Management Consultant	Reporter
Businessperson	Government Employee	Manager	Researcher
City Clerk	Health Services Administrator	Market Research Analyst	Sales/Marketing Associate
City Manager	Higher Education Administrator	Non-Profit Director	Special Library Worker
Civil Rights Worker	Human Resources Manager	Paralegal/Legal Assistant	State Government Administrator
Community Developer	Insurance Claim Adjuster	Peace Corps Volunteer	Tax Examiner
Congressional Staff Member	Intelligence Agent	Political Campaign Manager	Teacher (K-12)
Contracts Administrator	Internal Auditor	Political Scientist	Urban/Regional Planner
Customs/Immigration Officer	Journalist	Professor	
Demographer	Labor Arbitrator	Public Administrator	

<b>PSYCHOLOGY</b>			
Activity Leader	Guidance Counselor	Media Buyer	Sales/Marketing Associate
Account Executive	Health Educator	Merchandiser	School Counselor
Admissions Counselor	Higher Education Administrator	Music Therapist	Social/Public Policy Consultant
Adoption Worker	Hospice Coordinator	Nursing Home Director	Social Services Employee
Advertising Agent	Human Relations Commissioner	Occupational Therapist	Social Worker
Art Therapist	Human Resources Manager	Physical Therapist	Sociologist
Career Counselor	Industrial Relations Specialist	Probation Officer	Staff Trainer
Child Psychologist	International Student Advisor	Professor	Statistician
Community Organizer	Interviewer	Program Developer	Survey Researcher
Community Relations Director	Job Developer	Promoter/Publicity Specialist	Systems Analyst
Copy Editor/Writer	Journalist	Psychologist	Teacher (K-12)
Creative Director	Juvenile Court Worker	Public Opinion Surveyor	Technical Writer
Crisis Intervention Counselor	Labor Relations Specialist	Public Relations Specialist	Travel Agent
Customs/Immigration Officer	Lawyer	Recreational Therapist	Vocational Counselor
Financial Advisor	Manager	Recruiter	Wage/Benefits Analyst
Financial Aid Director	Market Analyst/Researcher	Researcher	

<b>RELIGION / RELIGION AND SOCIETY</b>			
Archivist	Community Organizer	Human Resources Manager	Public Interest Researcher
Arts Consultant	Consultant	Insurance Underwriter	Public Policy Manager
Assistant Buyer	Counselor	Journalist	Public Relations Representative
Author/Writer	Credit Analyst	Lawyer	Public Service Official
Book Publisher	Diplomat	Librarian	Religious Bookstore Employee
Broadcaster	Editor	Lobbyist	Religious Education Instructor
Business Administrator	Employment Interviewer	Marketing Research Analyst	Religious Researcher
Camp Director	Ethical Researcher	Missionary	Sales/Marketing Associate
Campus Religious Coordinator	Financial Consultant	News Editor/Producer	Seminary Administrator
Cantor	Foreign Affairs Specialist	Non-Profit Director	Social Services Administrator
Church Building Inspector	Fundraiser	Nursing Home Director	Social Worker
Church Secretary	Guidance Counselor	Paralegal/Legal Assistant	Teacher (K-12)
Claims Adjuster	Higher Education Administrator	Producer/Director	Technical Writer
Clergyperson	Hospice Worker	Professor	Textbook Salesperson
Columnist	Hospital Administrator	Psychologist	Youth Minister

<b>SOCIOLOGY</b>			
Admissions Counselor	Counselor	Juvenile Court Worker	Real Estate Agent
Adoption Agent	Criminologist	Labor Relations Specialist	Recreational Therapist
Advertising Professional	Data Analyst	Law Enforcement Officer	Recreation Worker
Aging Specialist	Day Care Worker	Lawyer	Rehabilitation Counselor
Author/Writer	Demographic Analyst	Legal Assistant	Research Assistant
Career Counselor	Education Administrator	Manager	Sales/Marketing Associate
Child Welfare Worker	Environmental Advocate	Market Researcher	Social Scientist
Civil Rights Worker	Fundraiser	Marriage Counselor	Social Services Administrator
Claims Representative	Gerontologist	Mental Health Worker	Social Worker
Community Organizer	Guidance Counselor	Nursing Home Administrator	Sociologist
Community Support Worker	Hospital Administrator	Physician	Speech Pathologist
Compensation/Benefits Worker	Human Relations Commissioner	Probation/Parole Officer	Speech Writer
Congressional Aide	Human Resources Manager	Professor	Survey Researcher
Consumer Advocate	Independent Living Trainer	Psychologist	Teacher (K-12)
Consumer Researcher	Insurance Agent/Broker	Public Health Administrator	Technical Writer
Consumer Survey Advisor	Intelligence Agent	Public Opinion Surveyor	Urban/Regional Planner
Convention Organizer	Interviewer	Public Relations Representative	
Cooperative Extension Agent	Journalist	Public Service Official	

<b>WOMEN'S AND GENDER STUDIES</b>			
Advocate	Designer	Journalist	Program Assistant
Analyst	Development Officer	Law Enforcement Officer	Psychologist
Archivist	Director of Teen Programs	Lawyer	Public Health Worker
Art Therapist	Elder Care Worker	Legislative Aide	Recreational Therapist
Artist	Employee Assistance Counselor	Librarian	Residential Counselor
Author/Writer	Energy Conservationist	Manager	Residential Life Coordinator
Clergyperson	Fundraiser	Midwife/Doula/Nurse	Sales/Marketing Associate
Community Health Worker	Government Employee	Operations Manager	Social Services Director
Copy Editor/Writer	Grants Coordinator	Performer	Social Worker
Counselor/Advisor	Historian	Physical Therapist	Therapist
Cultural Affairs Officer	Hospice/Spiritual Counselor	Physician	Town Manager
Curator	Human Resources Manager	Production Assistant	Volunteer Coordinator
Curriculum Specialist	Investigator	Professor	Yoga Instructor

<b>WRITING AND RHETORIC</b>			
Abstract Writer	ESL Instructor	Literary Agent	Publisher
Acquisitions Editor	Fact Checker	Lobbyist	Radio/TV Announcer
Actor	Feature Writer	Lyricist	Radio/TV Program Assistant
Advertising Agent	Freelance Journalist/Writer	Manuscript Reader	Reading Tutor
Analyst	Fundraiser	Market Research Analyst	Researcher
Arts Administrator	Ghostwriter/Collaborator	Media Planner	Sales/Marketing Associate
Author/Writer	Grant Writer	Paralegal	School Administrator
Bibliographer	Indexer	Poet	Screen/TV Script Writer
Book Reviewer	Insurance Underwriter	Policy and Procedures Analyst	Speech Writer
Columnist	Journalist	Political Campaign Organizer	Storyteller
Communications Specialist	Lawyer	Press Secretary	Technical Writer
Community College Instructor	Lecturer/Public Speaker	Professor	Translator
Consumer Affairs Investigator	Legal Assistant	Proofreader	Web Content Editor/Writer
Copy Editor/Writer	Legislative Aide	Public Affairs Coordinator	Writing Center Director
Critic	Lexicographer	Public Relations Specialist	Writing Consultant
Editor	Librarian	Publicist	

*Please note: To learn more about any of the job titles listed in this section, to research other employment outcomes for these majors, or to explore career paths more generally, refer to the websites on the following page.*

## THE OCCUPATIONAL OUTLOOK HANDBOOK (OOH)

<http://www.bls.gov/oco>

The OOH is updated every two years by the US Department of Labor's Bureau of Labor Statistics and includes essential information for hundreds of different types of jobs: the training and education needed, earnings, expected job prospects, what workers do on the job, and working conditions. In addition, the OOH offers job search tips and the job market outlook for each state. This indispensable resource may be accessed online.

## O\*NET

<http://www.onetcenter.org>

The O\*NET program is the nation's primary source of occupational information. Central to the project is the O\*NET database, containing information on hundreds of standardized and occupation-specific descriptors. The database is continually updated by surveying a broad range of workers from each occupation. Information from this freely available database forms the heart of O\*NET OnLine, the interactive application for exploring and searching occupations. The database also provides the basis for our Career Exploration Tools, a set of valuable assessment instruments for workers and students looking to find or change careers.

## CAREER ONE STOP

<http://www.careeronestop.org>

Sponsored by the US Department of Labor, CareerOneStop helps individuals explore career opportunities to make informed employment and education choices. The website features user-friendly occupation and industry information, salary data, career videos, education resources, self-assessment tools, career exploration assistance, and other resources that support talent development in today's fast-paced global marketplace.

# Liberal Arts Graduates in the World of Work

Advising and Academic Support in The College of Arts and Sciences and Career Services in the Division of Student Affairs collaborate annually to survey SU students six months after graduation. The survey captures a snapshot of the outcomes of their job searches and applications to graduate and professional schools. The following pages detail information for the Class of 2010, the most recent class surveyed. As you read these placement statistics, please keep in mind that they represent the composite of the outcomes for the class, rather than a projection of what will happen to you individually. The numbers demonstrate that **of the 191 responses received for The College of Arts and Sciences (or 22% of the total number of Art and Sciences graduates)**, 46.5% of the graduates were employed full-time after graduation, 29% were attending graduate/professional school full-time, and that 77% felt their position was related to their career goals. *The significance of the survey results is to show a range of possible outcomes based on some of the experiences of the previous class.*

From our work with students in the Class of 2010, we can share the following observations:

- These students didn't necessarily know exactly what they wanted when they started, but they used their undergraduate years to explore their options.
- They worked with career and academic counselors to select the best program(s) of study for them.
- They met with faculty when they were considering their majors and minors, and continued to consult with faculty once they had decided.
- They became involved in the intellectual and social life of the campus community, often assuming leadership roles.
- They sought career counseling from the professionals in Advising and Academic Support and Career Services, attended career fairs and events on campus, and used the resources provided by the University.
- They continually stretched and tested the boundaries of their knowledge and experience.

All of these actions helped them move from exploring possibilities to choosing pathways. They learned to write resumes and cover letters that expressed who they were, what they had accomplished, and where they wished to go. They practiced interviewing techniques so that their targeted job wouldn't slip away during this anxiety-ridden phase of the search for employment. When they had several job possibilities before them, they carefully considered which would provide the best fit in terms of their personality, values, and priorities.

When they started, the majority of these liberal arts students didn't have a clear notion of what they wanted to do after graduation or what they "wanted to be." However, they explored, experimented, let their inquisitiveness guide them, and eventually found opportunities that suited them. These survey statistics are not about odds or luck; they demonstrate that if you are willing to ATTEND, PARTICIPATE, RESEARCH, QUESTION, EXPLORE, and SEEK, you will eventually FIND the right path for you.

# SURVEY OF 2010 GRADUATES

*overall summary report for*

## THE COLLEGE OF ARTS AND SCIENCES

This report is based upon 191 responses from December 2009 and May, June, and August 2010 bachelor's degree recipients. The total number of graduates surveyed was 875.

### OVERALL RESPONSE RATE

**22%**

#### Placement Information

	#	%
Employed/Full-Time *	89	46.5%
Employed/Part-Time	18	9.0%
Post Graduate Internship	11	6.0%
Still Seeking Employment	16	8.0%
Not Seeking Employment	3	1.5%
Graduate School/Full-Time	54	29.0%
<b>TOTAL</b>	<b>191</b>	<b>100%</b>

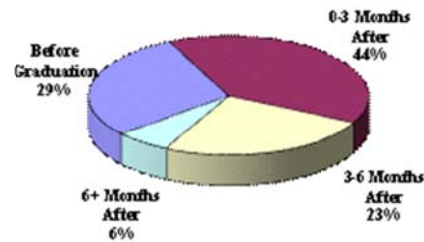
\*Position Related to Career Goals - 77%

#### Overview

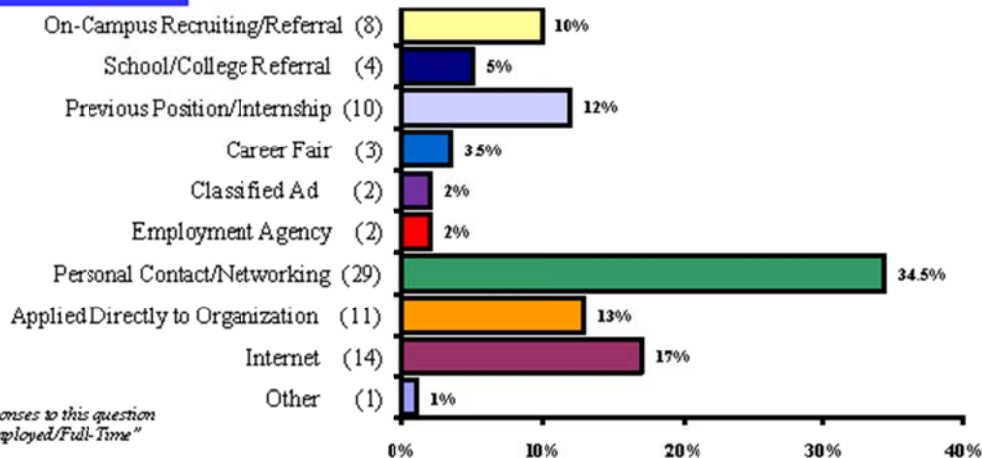


#### When Position Obtained

Before Graduation	23	27%
0-3 Months After	37	44%
3-6 Months After	19	23%
6+ Months After	5	6%
<b>Total</b>	<b>84</b>	<b>100%</b>



#### Position Obtained Through



*Received 84 responses to this question from the 89 "Employed/Full-Time"*

Syracuse University Center for Career Services  
Division of Student Affairs

# SURVEY OF 2010 GRADUATES

*overall summary report for*

## SYRACUSE UNIVERSITY

This report is based upon 956 responses from December 2009 and May, June, and August 2010 bachelor's degree recipients. The total number of graduates surveyed was 2,585.

### OVERALL RESPONSE RATE

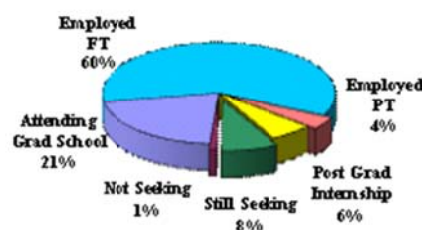
### 37%

#### Placement Information

	#	%
Employed/Full-Time *	575	60%
Employed/Part-Time	36	4%
Post Graduate Internship	50	6%
Still Seeking Employment	81	8%
Not Seeking Employment	8	1%
Graduate School/Full-Time	206	21%
<b>TOTAL</b>	<b>956</b>	<b>100%</b>

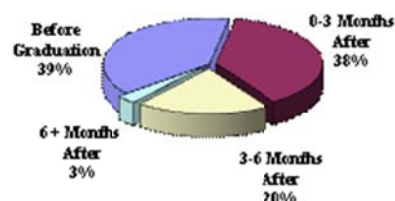
\*Position Related to Career Goals - 87%

#### Overview

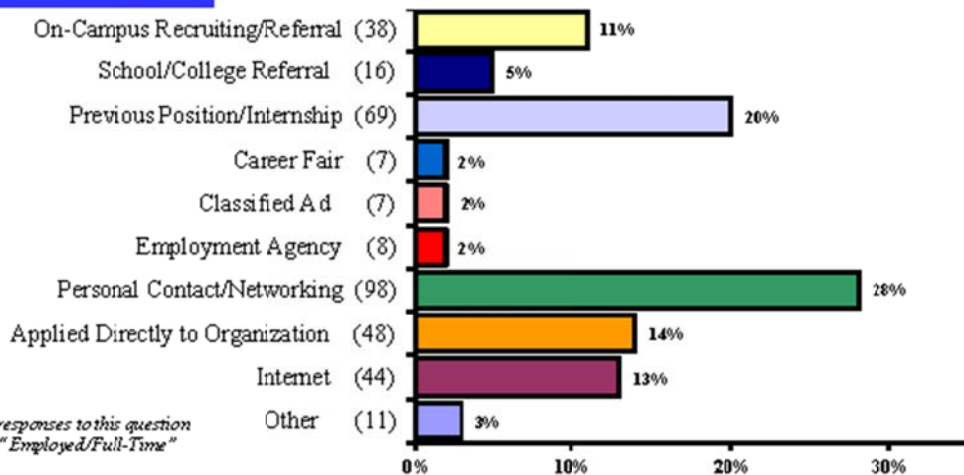


#### When Position Obtained

Before Graduation	180	39%
0-3 Months After	178	38%
3-6 Months After	92	20%
6+ Months After	16	3%
<b>Total</b>	<b>466</b>	<b>100%</b>



#### Position Obtained Through



*Received 346 responses to this question from the 575 "Employed/Full-Time"*

Syracuse University Center for Career Services  
Division of Student Affairs

1

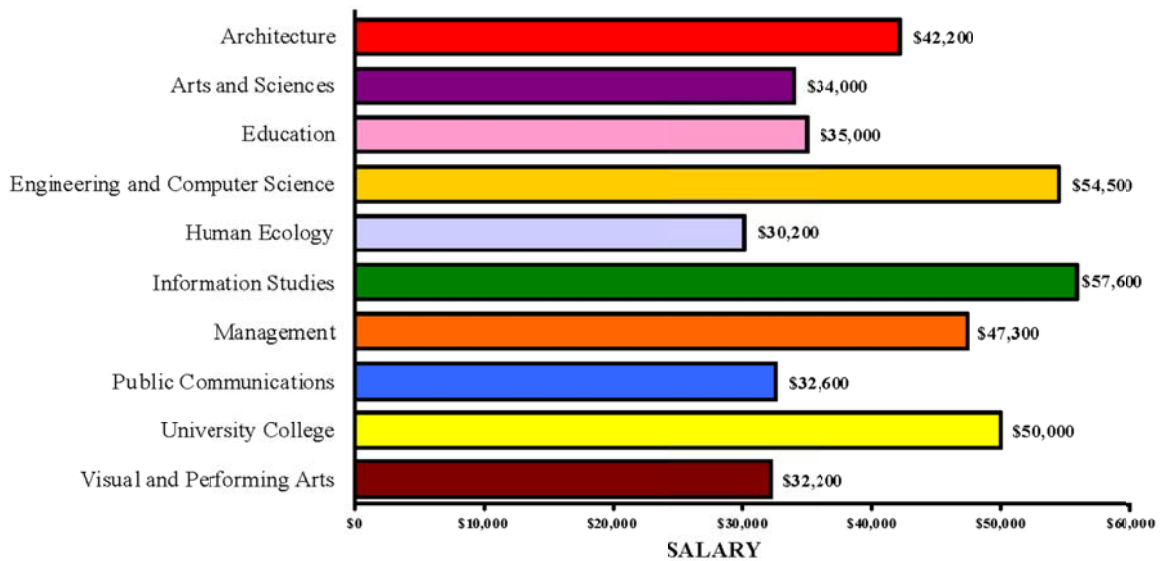
Syracuse University Center for Career Services

**SURVEY OF 2010 GRADUATES**

**AVERAGE SALARY FOR ALL GRADUATES \$43,000**

**AVERAGE YEARLY SALARY BY SCHOOL/COLLEGE**

SCHOOL/COLLEGE	# OF SALARIES REPORTED	AVERAGE SALARY
ARCHITECTURE	9	\$42,200
ARTS AND SCIENCES	68	\$34,000
EDUCATION	3	\$35,000
ENGINEERING AND COMPUTER SCIENCE	34	\$54,500
HUMAN ECOLOGY	9	\$30,200
INFORMATION STUDIES	27	\$55,800
MANAGEMENT	151	\$47,300
PUBLIC COMMUNICATIONS	26	\$32,600
UNIVERSITY COLLEGE	1	\$50,000
VISUAL AND PERFORMING ARTS	34	\$32,200



Syracuse University Center for Career Services  
Division of Student Affairs

# Directory of Selected Programs and Services

- Advising and Academic Support
- Career Services
- Career Services Network
- CASNET
- Health Professions Advising
- iLEARN: The Center for Innovative Learning
- Mary Ann Shaw Center for Public and Community Service
- Maxwell-in-Washington International Relations Undergraduate Semester Program
- Pre-Law Advising
- Renée Crown University Honors Program
- Soling Program
- Syracuse University Abroad
- Undergraduate Research Program

## ADVISING AND ACADEMIC SUPPORT

329 Hall of Languages

315.443.3150

[casadvising@syr.edu](mailto:casadvising@syr.edu)

[casadvising.syr.edu](http://casadvising.syr.edu)

Advising and Academic Support offers a variety of programs and resources designed to meet the unique needs of liberal arts students. The staff is very knowledgeable about The College's 50 majors, and can assist students in narrowing down programs of study, identifying related career paths, and evaluating graduate programs. Through self-assessment strategies, students will gain a greater understanding of their personality, skills, interests, and values—all of which may suggest choice of major(s) and minor(s), co- and extra-curricular activities, including internships, community service, summer employment, student organizations and other leadership options. The staff also advises students on all phases of the job search, including targeting employment sectors, researching employers, preparing resumes and cover letters, and honing interviewing techniques. The office maintains a small but comprehensive collection of career resources, which can be borrowed for up to one week. Upcoming workshops, presentations, and other events and opportunities of interest to our students are posted on our website. Advising and Academic Support is a member of the Syracuse University Career Services Network.

## CAREER SERVICES

235 Schine Student Center

315.443.3616

[careers@syr.edu](mailto:careers@syr.edu)

<http://careerservices.syr.edu>

Career Services helps students to explore careers, find opportunities for experiential learning and internships, strengthen job-seeking skills, connect with alumni and employers, and plan for post-graduate success.

Working collaboratively with employers, alumni, faculty, and colleagues across campus, we engage students in the career development process from their earliest days at SU. In addition, our staff members monitor employment trends, technology, and employer practices to ensure SU students and alumni have every advantage as they embark on their career endeavors.

Some of our services include:

- Personalized career counseling and standardized assessments;
- Internship search assistance and credit registration services;
- Resume and cover letter critiques;
- Job-search coaching (tactics, offer evaluation, negotiating, interview practice);
- A web-based job database, linking students to current job openings;
- An alumni mentor program, connecting current students with alumni in their fields;
- A comprehensive career resource area with information on employers, careers, job search strategies, and further study;
- A credentials service for letters of recommendation and other documents;
- Several annual career fairs and related events, featuring a diverse range of employers;
- On- and off-campus interviewing with employers;
- Customized workshops for student groups.

Our services and resources are available to students at all times during and after their time at SU, including semester and summer breaks. We encourage students to use Career Services early and often to excel in their career development.

***Note from Advising and Academic Support: All students in The College of Arts and Sciences are strongly encouraged to first see a Counselor of Academic Services in 329 Hall of Languages before visiting Career Services. As the career professionals for The College, the Counselors in Advising and Academic Support are uniquely positioned to serve A&S students as they navigate the intersection between the liberal arts and the worlds of work and graduate/professional school.***

The Internship Services program in Career Services helps students to arrange for-credit internships and to identify and pursue non-credit internships. Career Services can direct students to additional SU resources, events and online sources that relate to internships and overall experience-gathering opportunities.

Internships provide many benefits: they allow students to complement their academic program with practical experience, explore a career area or place of work, learn new skills, and build networking contacts for the future. Internships are also a valuable addition to a resume when

searching for a job or graduate school. Many employers rely on converting interns to permanent hires.

Internship staff members communicate with faculty, administrative staff and site supervisors to help students obtain academic credit for their internships. If credit is desired, students can meet with an Internship Coordinator who can help them navigate the application process.

Students taking internships for academic credit benefit from the support of a professor (faculty sponsor) who can help them get the most out of their internship experience. They are required to identify their learning goals and how the internship will meet these goals. An Internship Coordinator can assist students in this process.

Elective credit internships:

- can be taken in any semester (including Summer);
- require a minimum of 45 hours of work per credit; students can take between 1 and 6 credits;
- must have a faculty sponsor and be supervised by an on-site professional;
- may be paid or unpaid;
- summer internships are not included in regular tuition fees.

In addition to visiting the internship section of the Career Services website, students are also encouraged to search *Orangelink* for internship opportunities:

<https://syr-csm.symplicity.com/students>.

It is important to note that many employers who offer internships in business, government, human services, and other fields are looking for students with distinct interests as well as broad and transferable skills developed through a liberal arts education, rather than for students in a particular major. Employers typically seek curious, enthusiastic and energetic interns with communication, analytical, and research skills, who have a sense of responsibility and are self-motivated.

Students should start the internship search process early in any year in which they hope to intern, as many employers hiring for competitive summer internships start to gather and evaluate potential interns during the preceding Fall semester.

## CAREER SERVICES NETWORK

<http://careers.syr.edu>

*Go your own way.*

SU students and alumni are fortunate to have at their disposal the staff and services of more than 50 professionals working in 13 college- and school-based career offices and 4 all-university offices. This collaboration of career resources is known as the Career Services Network (CSN), whose collective mission is to equip students with the information and opportunities to carve out a career niche (a.k.a., "Go your own way"). Students enrolled in any SU school or college are encouraged to visit the career office of any other school or college when exploring possible major or minor choices, or when researching career paths. For example, students in The College of Arts and Sciences who are interested in also pursuing a major in either the Newhouse School or the Whitman School may contact their career offices to learn more about career outcomes for those majors.

The Career Services Network also sponsors a number of events throughout the year to enhance students' career exploration, employment options, and graduate or professional school plans. These events include career and graduate school fairs, presentations by employers and authors, workshops, and alumni panels.

## CASNET

CASNET is the bi-weekly electronic newsletter for students in The College of Arts and Sciences. It provides valuable information about: the services and resources of the Advising and Academic Support office in The College of Arts and Sciences; upcoming academic deadlines, scholarship and leadership opportunities; and career and cultural events.

Students enrolled in The College of Arts and Sciences will automatically be subscribed to CASNET as long as they have an active Syracuse University email account. If you are not an Arts and Sciences student but would like to subscribe to CASNET, please do the following: First, you will need an email account at Syracuse University. (If you do not already have an SU email account, you may get one for free from the ITS Help Center by calling 315.443.2677 or by sending an email to [consult@syr.edu](mailto:consult@syr.edu).) From your SU email account, send an email to [listserv@listserv.syr.edu](mailto:listserv@listserv.syr.edu), leave the subject line blank, and in the body of the email, type "subscribe casnet" (omit quotation marks). Contact Tamera Beard at [tybeard@syr.edu](mailto:tybeard@syr.edu) if you need assistance subscribing.

## HEALTH PROFESSIONS ADVISING

**Advising and Academic Support**

**329 Hall of Languages**

**315.443.3150**

[casadvising@syr.edu](mailto:casadvising@syr.edu)

<http://casadvising.syr.edu>

Health Professions Advising offers a wide range of services for all Syracuse University students and alumni who are considering a career in the health professions. Our Pre-Health Advisors guide and counsel all SU and ESF students and alumni regarding academic requirements and other credentials and preparation necessary for application to medical, dental, veterinary,

optometry, podiatry, pharmacy, public health, health administration, and other health-related professional schools and programs.

Services include:

- Individual advising appointments on:
  - \* The application process and timeline;
  - \* Admission test preparation;
  - \* Writing of Personal Statements;
  - \* Current trends and issues in health care and in health care delivery;
- Assistance with solicitation of individual evaluations;
- Health Professions Advising Committee or Credentials letters to support the student's application;
- Resource center with information on:
  - \* A wide variety of health-related careers;
  - \* Different types of professional schools;
  - \* Summer programs;
  - \* Post-baccalaureate study for people wishing to improve their credentials for application and late deciders;
  - \* Computers and typewriters for student use;
- Practice MCAT;
- Mock health professions admissions interviews.

Any student planning to seek *Early Assurance of Admission* to medical schools or the *Professional Option* in medicine, dentistry, podiatry, optometry, or veterinary medicine, should make an appointment early in their third semester at Syracuse University. Students with transfer or AP credit should make an appointment with a Pre-Health Advisor earlier.

## **iLEARN: THE CENTER FOR INNOVATIVE LEARNING**

**329 Hall of Languages**

**315.443.9396**

[salomone@syr.edu](mailto:salomone@syr.edu)

<http://ilearn.syr.edu>

iLEARN supports a variety of innovative educational programs in The College of Arts and Sciences and its departments. It also serves as a clearinghouse for information about undergraduate research and other unique learning opportunities, as well as a source of encouragement and support for their further development.

iLEARN helps students complement their traditional classroom and laboratory work with enhanced out-of-classroom learning experiences. These experiences represent active learning at its best, tapping students' creativity, curiosity, and drive. They also allow students to apply their theoretical knowledge and skills to real-world problems, and help them think wisely about future career choices. For a listing of programs and opportunities available, see the iLEARN website. For further information, contact Kandice L. Salomone, Director, 315.443.9396.

## MARY ANN SHAW CENTER FOR PUBLIC AND COMMUNITY SERVICE

237 Schine Student Center

315.443.3051

[cpcs@syr.edu](mailto:cpcs@syr.edu)

<http://students.syr.edu/cpcs>

The mission of the Mary Ann Shaw Center for Public and Community Service (CPCS) is to promote, support, and provide a continuum of community-based learning/research experiences for students and faculty by developing academic opportunities that connect the University to the community through sustained partnerships. CPCS is the centerpiece of the University's community engagement initiative encouraging students, faculty, and staff to work together for intellectual, ethical, professional and personal development through reciprocal learning in partnership with the community. CPCS coordinates community-based service learning/research placements for students enrolled in academic credit-bearing courses, administers the Syracuse University Literacy Corps (SULC), and provides information about volunteer placements for individual students and student groups looking for community placements/projects. CPCS is home to the Syracuse University Volunteer Organization (SUVO), and acts as the group's advisor.

## MAXWELL-IN-WASHINGTON INTERNATIONAL RELATIONS UNDERGRADUATE SEMESTER PROGRAM

225 Eggers Hall

315.443.2306

[global@maxwell.syr.edu](mailto:global@maxwell.syr.edu)

[http://www.maxwell.syr.edu/ir/globalprogramspages/ugir\\_max\\_in\\_DC.aspx](http://www.maxwell.syr.edu/ir/globalprogramspages/ugir_max_in_DC.aspx)

The Maxwell School's International Relations Washington Semester Program puts you in the midst of some of the most important institutions, processes, and policy makers in the world. You work as an intern three or four days a week, getting first-hand experience in international and national affairs. You and your Syracuse classmates also meet for seminars with Maxwell professors who work in the Washington policymaking community. A gateway to careers in public service, public affairs, with NGOs, media, and business, the 15-credit program can apply to many majors on campus or as electives.

Offered in both the Fall and Spring semesters, the IR Washington Semester Program is open to qualified undergraduates in any major whose GPA is at least 3.0. PSC 124 (or PSC 139), International Relations, is strongly recommended, but not required. The 15-credit program consists of four courses and an internship, all offered in Washington, DC. SU student financial aid packages travel with you, and there is no need to transfer credits back to SU upon your return.

## PRE-LAW ADVISING

**Advising and Academic Support**  
**329 Hall of Languages**  
**315.443.3150**  
[casadvising@syr.edu](mailto:casadvising@syr.edu)  
<http://casadvising.syr.edu>

Counselors in Advising and Academic Support provide comprehensive pre-law advising and additional resources designed to assist all Syracuse University students and alumni in exploring and preparing for the pursuit of a legal education.

Services include:

- Individual and group advising on:
  - \* One's individual readiness for law school;
  - \* The application process and timeline;
  - \* Admission test preparation;
  - \* Writing of Personal Statements;
  - \* Decision-making and matriculation to a law school;
- An annual law fair;
- Mock LSAT's;
- The comprehensive handbook for Pre-Law students: *Preparing for the Study of Law: The Lowdown on Law School*;
- Advising and Academic Support also completes and processes Dean's Certification forms which are required by some law schools as part of the application process.

Advising and Academic Support maintains a collection of resources for students interested in law school and the legal profession. These resources—which include handouts and books on topics such as the law school experience and legal careers—are located in 329 Hall of Languages which is open to students and alumni during the academic year from Monday through Friday, 8:30 a.m. to 5:00 p.m. (8:00 a.m. to 4:30 p.m. in the summer).

## RENÉE CROWN UNIVERSITY HONORS PROGRAM

**306 Bowne Hall**  
**315.443.2759**  
[honors@syr.edu](mailto:honors@syr.edu)  
<http://honors.syr.edu>

The Renée Crown University Honors Program is a selective, demanding, and rewarding program for outstanding students who seek intense intellectual challenge and are prepared to invest the extra effort it takes to meet that challenge. It is marked by:

- Heightened expectations;
- Participation in a vibrant learning community;
- Intensity of intellectual experience;
- Special intellectual opportunities and responsibilities.

While students pursue their chosen academic course of study in their individual departments, schools and colleges, the Honors Program offers intellectual challenge and curricular enrichment through seminars, Honors courses, special cultural events, and close contact with faculty and other Honors students. The Program is open to qualified students in all of the University's undergraduate schools and colleges. A student must achieve *cum laude* distinction in his or her home college to complete the requirements of the Honors Program.

Success in the program depends on the development and demonstration of a challenging list of attributes:

- **Depth**, as marked by significant original accomplishment in a focused area of study demonstrated through the completion of a senior capstone project.
- **Breadth**, as marked by a range of challenging courses beyond one's primary area of specialization, and the ability to investigate issues best understood through interdisciplinary work.
- **Command of language**, as marked by a refined ability to read and assess texts in a variety of media, to understand the meanings and implications of quantitative information, and to speak and write compellingly.
- **Global awareness**, as marked by international sophistication and fruitful reflection on the interconnectedness of the world.
- **Collaborative capacity**, as marked by the ability to work constructively with others on sustained and challenging projects.
- **Civic engagement**, as marked by sustained active involvement in addressing the interests of others.

For students accepting the challenge of Syracuse University's Renée Crown University Honors Program, the completion of courses and seminars is just the beginning of an extraordinary college experience. They engage the resources of a major research university while finding an intellectual and personal "home" in a congenially-sized program dedicated to their success.

## SOLING PROGRAM

301 Tolley Building (Gerald Greenberg)

315.443.3133

[ggreenbe@syr.edu](mailto:ggreenbe@syr.edu)

<http://soling.syr.edu>

The Soling Program seeks to stimulate creative and independent thinking in students of all schools and colleges at Syracuse University. Students involved in the Soling Program work primarily in multidisciplinary teams to explore creativity and community engagement—a perfect example of SU's commitment to "Scholarship in Action." Critical writing skills are emphasized. Courses offered through the Soling Program vary widely across disciplines and experiences, and have included many topics such as computers; the arts; performance; and cultural, social and economic issues. The Soling Program sponsors a variety of special events throughout the year, such as *Syracuse Showcase*. *Syracuse Showcase* is a recurring Spring semester event that supports a diverse array of student creative projects and research on campus. The hope of the Soling Program is that students will find more than a class or project; they will create a life-altering experience that is among their very best at Syracuse University.

## SYRACUSE UNIVERSITY ABROAD

106 Walnut Place

315.443.3471

[suabroad@syr.edu](mailto:suabroad@syr.edu)

<http://suabroad.syr.edu>

Did you know that nearly 50 percent of Syracuse University students study in another country with SU Abroad?

Ranked as one of the highest-quality programs in the nation, SU Abroad allows you to customize your study abroad experience. You can choose from these SU Abroad signature features:

- Once-in-a-lifetime internships and field-study seminars;
- Year-long, semester, summer and short-term programs;
- Language at any level (beginner to advanced);
- Extensive course listings;
- Locations across the globe.

SU Abroad maintains centers in Santiago, Chile; Hong Kong and Beijing, China; London, England; Strasbourg, France; Florence, Italy; Madrid, Spain; and Istanbul, Turkey. Our World Partners programs provide opportunities in many more locations, including Australia, the Czech Republic, Ecuador, Germany, India, Ireland, Israel, Japan, Korea, Morocco, Russia, and South Africa.

Complement your semester coursework with an international internship that will set you apart from your peers. Summer internship programs are also available in such fields as engineering, management and international business, law, politics, education, art, media and communications, and community service.

Your financial aid travels with you. Additional incentives may apply for Fall semester studies. For more information, call the SU Abroad office at 315.443.3471 or visit their website at <http://suabroad.syr.edu>.

## UNDERGRADUATE RESEARCH PROGRAM

329 Hall of Languages

315.443.9396

[salomone@syr.edu](mailto:salomone@syr.edu)

<http://ilearn.syr.edu>

The Undergraduate Research Program (URP) is part of iLearn and allows students to deepen their understanding of an idea, question, or phenomenon by undertaking their own research. The program features the apprenticeship model: students work closely with a faculty member, defining the shape and methodology of the project and completing it successfully. The student's project is generally part of a larger research endeavor being investigated by the faculty member. Students may pursue research in virtually any department in The College of Arts and Sciences and gain academic credit for their work. There are many ways to become involved, and students usually rate the experience as among the best of their undergraduate career.

URP also facilitates linking qualified, interested students with faculty-generated projects. For a listing of projects, see the "Programs" section of the iLEARN website and select "Undergraduate Research." For further information, contact Kandice L. Salomone, Director, 315.443.9396.

# Career Events Calendar 2011-2012

Advising and Academic Support in The College of Arts and Sciences—in partnership with the Career Services Network—offers students a full calendar of events to assist you in your exploration of various career paths and in your search for a particular employment opportunity. The majority of these events and programs are offered every year. The calendar below offers just a snapshot of the major career happenings throughout the academic year.

<b>FALL SEMESTER 2011</b>		
<b>Communications Internship Fair</b>	Friday, September 9, 2011, 2:00 PM – 5:00 PM	Panasci Lounge, Schine Student Center
<b>Student Involvement Fair</b>	Wednesday, September 14, 2011, 11:30 AM – 3:00 PM	University Quad. (rain location: Goldstein Auditorium, Schine Student Center)
<b>Local Internship Fair</b>	Tuesday, September 21, 2011, 11:00 AM – 2:00 PM	University Quad.
<b>Graduate and Professional School Day</b>	Tuesday, September 21, 2011, 5:00 PM – 7:00 PM	University Quad.
<b>Law School Day</b>	Wednesday, September 22, 2011, 5:00 PM – 7:00 PM	University Quad.
<b>Finance Career Fair</b>	Monday, October 3, 2011	<a href="http://whitman.syr.edu/Career/Recruiters/Guide/">http://whitman.syr.edu/Career/Recruiters/Guide/</a>
<b>Resumania</b>	Tentative: Monday, October 3, 2011 and Tuesday, October 4, 2011, 12:00 PM – 4:00 PM	Career Services, 235 Schine Student Center
<b>Accounting Career Fair</b>	Tuesday, October 4, 2011	<a href="http://whitman.syr.edu/Career/Recruiters/Guide/">http://whitman.syr.edu/Career/Recruiters/Guide/</a>
<b>Marketing and Retail Career Fair</b>	Tuesday, October 4, 2011	<a href="http://whitman.syr.edu/Career/Recruiters/Guide/">http://whitman.syr.edu/Career/Recruiters/Guide/</a>
<b>Diversity Business Summit</b>	Tuesday, October 4, 2011, 4:30 - 6:30 P.M.	Panasci Lounge, Schine Student Center
<b>Fall Career Fair</b>	Wednesday, October 5, 2011, 1:00 PM – 5:00 PM	SU Carrier Dome
<b>Supply Chain Career Fair</b>	Thursday, October 6, 2011	<a href="http://whitman.syr.edu/Career/Recruiters/Guide/">http://whitman.syr.edu/Career/Recruiters/Guide/</a>
<b>Interview Blitz Day</b>	Thursday, October 6, 2011, 9:00 AM – 5:00 PM	Career Services, 235 Schine Student Center
<b>SPRING SEMESTER 2012</b>		
<b>Emerging Student Leaders Reception</b>	TBD	Location TBD
<b>Spring Career &amp; Internship Fair</b>	TBD	Location TBD
<b>Interview Blitz Day</b>	TBD	Location TBD
<b>Environmental Fair</b>	TBD	Location TBD
<b>Senior Transition Series</b>	February – March 2012	Location TBD
<b>Big East Career Fair</b>	Friday, March 9, 2012, time TBD	Madison Square Garden, New York City
<b>Community Connections</b>	TBD	Location TBD
<b>CNY Communications Consortium</b>	April 2012 (more information at: <a href="http://www.ithaca.edu/cnycc">http://www.ithaca.edu/cnycc</a> )	Location TBD