

# ACADEMIC DEPARTMENTS

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# SCHOOL OF ARTS AND SCIENCES

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## School of Arts and Sciences Administration:

**Dean of the School of Arts and Sciences:** Barbara Hillery  
**Assistant Dean of the School of Arts and Sciences:** Cristina Notaro  
**American Studies:** Andrew Mattson, *Chair*  
**Biological Sciences:** Fernando Nieto, *Chair*  
**Chemistry and Physics:** Judith Lloyd, *Chair*  
**English:** Margaret Torrell, *Chair*  
**History and Philosophy:** Judith Walsh, *Chair*  
**Mathematics, Computer and Information Sciences:** Geta Techanie, *Chair*  
**Modern Languages:** Ruben Gonzalez, *Chair*  
**Politics, Economics and Law:** Kevin Ozgercin, *Chair*  
**Psychology:** William Knack, *Chair*  
**Public Health:** Martha Livingston, *Chair*  
**Sociology:** Gilda Zwerman, *Chair*  
**Visual Arts:** Patricia Harris, *Chair*

The School of Arts and Sciences offers the best of what has been called for over 2,000 years a “liberal education,” meaning a broad education undertaken for informed citizenship.

Every major in the School of Arts and Sciences promotes the following values: life-long learning; global citizenship; and social justice.

**Life-Long Learning.** The School wants to provide students with the capacity and desire to develop and learn throughout their lives. We urge students to take their formal education as an opportunity to gain personal qualities and habits of mind that will last a lifetime: self-examination and critical thinking; powers of analysis, judgment, and self-expression; empathy and ethical awareness; and a tolerance for ambiguity and complexity. The liberal arts have always prepared students for life-long engagement with civic and professional life, informed by a sure sense of values.

**Global Citizenship.** It is hard to stress too much the importance of understanding the international dimensions of modern life and thought. Learning to think and act as a citizen of the world—to understand and appreciate both diversity and our common humanity—is a powerful lesson in an increasingly global economy and culture.

**Social Justice.** Our emphasis on Social Justice is a reminder of our obligations to those around us; the connection between self and society is one of life's most enduring and challenging questions, and it plays out now in global dimensions. Both the College as a whole and School of Arts and Sciences encourage students to promote full citizenship for all in the College, community, and world.

The liberal arts degrees at Old Westbury provide a solid foundation for graduate studies and professional accomplishment in many fields. In a fast-changing global society, the adaptability linked to the liberal arts has never been more relevant or more in demand in the workplace.

# AMERICAN STUDIES DEPARTMENT

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**Distinguished Service Professor:** Laura Anker

**Professors:** Aubrey Bonnett, *Emeritus*; Amanda Frisken; Karl Grossman

**Associate Professors:** Jermaine Archer, John Friedman, Carol Quirke, Sujani Reddy, Denton Watson

**Assistant Professors:** Llana Barber, Laura Chipley, Jasmine Mitchell, Samara Smith

**Instructors:** Andrew Mattson, *Chair*

**Lecturer:** Joseph Manfredi,

**American Studies is an interdisciplinary program which offers two degrees:**

1. a Bachelor of Arts (B.A.) Degree in American Studies;
2. a Bachelor of Arts (B.A.) Degree in Media and Communications (see page 86).

## THE MAJOR IN AMERICAN STUDIES

American Studies is an interdisciplinary liberal arts program. Courses in the program examine the history and culture of the United States, social and economic structure, forms of cultural expression, and political and legal institutions. These courses integrate history, sociology, literature, and media studies and are designed to encourage the development of critical thinking, debate and clear expository writing. American Studies courses emphasize the diversity of American Society and the experiences of ordinary life, paying particular attention to ethnic, gender, and other forms of social inequality. Courses examine institutions of power and control and the ways people attempt to change society.

Work in the program is designed to combine a liberal arts education with career preparation. The program also offers students the ability to develop a field of study in the following areas: U.S. History and Society, Media Studies, African American History and Culture and Women's Studies. Through its internship program, the major provides students with broad, flexible training appropriate to a wide array of jobs. The interdisciplinary course of study offered in the major provides useful preparation for graduate school and careers in education, media, law, government, and social work. The department expects that students, regardless of their career goals, will graduate with the knowledge and skills necessary to take constructive action for social change in their communities and workplaces, nation and the world.

## Evening Students

American Studies offers a limited selection of courses in the evening. Completion of a major in American Studies requires daytime course attendance.

## Transfer Students

An American Studies major can be completed in a two year period with appropriate planning. With an advisor's approval, a maximum of four courses will be accepted in transfer toward the 11 courses required for the major. Transfer students should note that AS2112-AS2122, The American People I-II are prerequisites for enrollment in 5000-level American Studies courses, as well as for a number of other American Studies courses. It is essential that these courses be taken in a transfer student's first year at Old Westbury if the expectation of completing the program in two years is to be met. These courses must be taken prior to the senior year.

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## Requirements for a Bachelor of Arts (B.A.) Degree in American Studies

(120 credits, 90 credits in liberal arts)

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements 11 courses

#### 1. AS2112-AS2122 The American People I-II (8 credits)

**Note:** These are prerequisites for enrollment in 5000-level American Studies courses. American Studies majors should complete these two courses as early as possible.

#### 2. AS3100 American Studies Seminar 4 cr.

#### 3. American Studies Elective Courses (24 credits)

Students may choose, from the following list, six courses. Only 2 courses at the 1000 or 2000 level can be counted toward the required 6 elective courses. The remainder must be 3000 level or above. Two of these courses must be at the 4000 level. American Studies students cannot receive credit towards the major for media production courses.

AS1152 Themes in U.S. History

AS1282 Introduction to African American Studies

AS1512 Introduction to Women's Studies  
 AS2202 Contemporary U.S. Society  
 AS2252 US Social Movement  
 AS2262 African American History I  
 AS2263 African American History II  
 AS2300 Problems in US Environmental History  
 AS2640 US Latina/o History  
 AS2652 Media Studies  
 AS2700 The Engaged Eye  
 AS2750 Food  
 AS2802 Introduction to Journalism and Media  
 AS3222 Urban History  
 AS3252 U.S. Social Movements  
 AS3270 Africa in the Americas  
 AS3310 From Citizen to Consumer  
 AS3402 Women, Work and Careers  
 AS3412 African-American Women's History  
 AS3432 Women: Cultural Issues  
 AS3462 History of Women in the U.S.  
 AS3482 History of Love and Sexuality  
 AS3622 Sports and Society  
 AS3632 History of U.S. Film  
 AS3712 American Film Genres  
 AS3722 History of Mass Media  
 AS3732 Politics of Media  
 AS3735 Documentary Media Studies  
 AS3742 Myths and Images in Film  
 AS3745 Feminine and Masculine in Film  
 AS3810 Music and Media  
 AS3830 Public Relations and Society  
 AS3842 African-Americans and the Mass Media  
 AS3852 Women and the Media  
 AS4160 Special Topics in Media Studies  
 AS4170 Special Topics in American Studies  
 AS4212 Early America  
 AS4215 Critical Ideas in American History  
 AS4218 Civil War and Reconstruction  
 AS4222 The Emergence of Modern America  
 AS4250 Immigration Today  
 AS4252 Immigration History  
 AS4253 Latino New York  
 AS4280 Global Media  
 AS4282 America in War and Peace: 1898 to 2001  
 AS4283 America Between the World Wars  
 AS4285 Vietnam and After  
 AS4288 Contemporary U.S. Foreign Policy  
 AS4290 Youth in America: A History  
 AS4292 America Since WWII: 1945-1989  
 AS4402 History of the Family in the U.S.  
 AS4420 History of New York City and State  
 AS4432 History of the Women's Movement  
 AS4435 Woman of Color Feminisms  
 AS4715 African-American Thought and Culture  
 AS4722 Film: Ideas and Aesthetics  
 AS4725 The Photograph and American Culture  
 AS4732 Political Film  
 AS4850 Digital Revolution  
 AS9990 Independent Study

#### 4. In-Depth Experience (4 credits)

AS4202 Internship in Government and Community  
 American Studies majors are encouraged to plan an internship, in consultation with a faculty advisor, with one of the College's many community, government and/or non-profit partners. Students who prefer may choose instead to complete an independent study with major research paper, or an additional 4000-level American Studies elective course.

#### 5. Capping courses (8 credits)

Two of the following (Senior Level):

AS5000 Topics in U.S. History in Global Perspective  
 AS5112 American Voices  
 AS5200 Environmental Journalism  
 AS5212 Narrative and History  
 AS5312 History of U.S. Culture  
 AS5350 History of the Slave Narrative  
 AS5412 Protest and Change  
 AS5420 Propaganda and Mass Persuasion  
 AS5712 Mass Media and Popular Culture  
 AS5800 Research in American History and Culture  
 AS5862 The Journalist as Creative Writer

#### C. General Electives

In consultation with Academic Advisor

#### Program Policies

1. All American Studies majors should see an advisor at least once a semester.
2. Only one grade of D+ or D- will be accepted toward the major. Students must request this inclusion from the Chair of American Studies.
3. A minimum GPA of 2.0 must be achieved in the major.
4. Only two 1000 or 2000 level courses, beyond AS2112/2122 American People I/II, will be counted toward the major.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only 4 credits of independent study will be counted toward the major.
6. Only 4 credits of internship can be applied toward the major.
7. No media production courses (noted in the course descriptions in the catalog by asterisk\*) can be counted toward the American Studies major, but they may be used as free electives.
8. Only four courses can be transferred from another college or university and accepted for credit toward the major.
9. In general, 4000 and 5000 level courses will NOT be taught during the summer sessions.
10. All students in their junior year should make an appointment with the chair to make sure that they are on track for graduation.

# BIOLOGICAL SCIENCES DEPARTMENT

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**Distinguished Teaching Professor:** Rita Colon-Urban

**Professors:** Fernando Nieto, *Chair*,

**Associate Professors:** Patrick Cadet, Manya Mascareno, Stephen Pryor

**Assistant Professor:** Shaadi Mehr

**Visiting Instructor:** Shilpi Paul

**Staff Laboratory Manager:** Judith Johnson

**Laboratory Technicians:** Chris Olsen, Rita Reddy

**Lecturers:** Eric Schwartz, Maria Zulema Cabail

The Biological Sciences program of study leads to either a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) degree in Biology. This program offers the basic courses for students whose career plans include the biological sciences, premedical and pre-professional training and secondary education (B.S. in Biology), public policy or environmental studies (B.A. in Biology). Students interested in secondary education should refer to the certification requirements in the teacher education program. The department also offers an MAT in Biology. The Biological Sciences Department incorporates an innovative, multidisciplinary approach to problem-solving in biology. It combines a strong research orientation in the basic sciences with a concern for health and environmental problems. It offers excellent preparation for professional and research careers concerned with the educational needs of the entire Long Island community.

## Liberal Education Curriculum

Students who are not majors in Biological Sciences may select biology to fulfill the science domain in Liberal Education Curriculum. This domain requires students to take at least one laboratory based course. The designated course for this purpose is Biology for Non-Majors (BS2100).

## Evening Students

The department currently offers selected lower- division and upper- division required courses in the evening.

## Transfer Students

To be accepted in the department, all transfer students must provide a transcript to their advisor before enrolling in any course. Transfer students who will be majoring in Biology must have earned a minimum grade of C in each Basic Biology course in order to register for upper division classes. If students have satisfactorily completed basic and area course requirements elsewhere, they must, in consultation with an advisor, select an appropriate program of study and complete a minimum of 5 upper division electives, which includes at least one course in each of the three required areas of study. (See degree requirements.)

## Requirements for Entry into Basic Biology I and II (BS2400-2410)

In order to register for BS2400-2410 a student must have completed the following prerequisites: EC II placement and MA 1020 (College Algebra).

## Upper Division Requirements

A grade of D may be accepted for graduation in a maximum of two of the courses in a related field. However a grade of C or better is required in both lower and upper division biology courses in order to be credited for graduation.

## Undergraduate Research Opportunity Programs

The Biological Sciences Department offers research opportunities for qualified undergraduate students. Students with a strong academic record and an interest in research are encouraged to work with one or more of the biological sciences faculty on selected laboratory projects.

The following topics represent the research interest of the Biological Sciences faculty:

**Zulema Cabail:** Cell signaling mechanisms.

**Patrick Cadet:** Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology of invertebrates

**Rita Colon-Urban:** Microbiology: Mechanisms of Antibiotic Resistance

**William Gillis:** Developmental Biology

**Shaadi Mehr:** Bioinformatics and Genomics

**Manya Mascareno:** Cancer: Cell Biology and Gene Expression Changes

**Fernando Nieto:** Microbial Ecology

**Shilpi Paul:** Yeast Genetics and Epigenetics.

**Stephen C. Pryor:** Environmental Health, Biochemical Genetics of Mosquitoes, Effects of Parasitic Infection on Behavior of Hosts

**Virgilija Remeza:** Microbiology, Molecular Genetics

**Currently, the research programs are supported as follows:**

### **The Old Westbury Neuroscience Research Institute**

Director, Patrick Cadet, Ph.D.

### **The Institute For Cancer Research and Education**

Director, Manya Mascareno, Ph.D.

1. NIH Academic Research Enhancement Award (R25)

2. New York State Department of Health

These research opportunities provide financial support to qualified students.

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## **Requirements for a Bachelor of Arts (B.A.) Degree in Biological Sciences**

(Total Credits Required 120)

### **A. Liberal Education Curriculum**

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### **B. Departmental Requirements 64 credits**

|               |   |
|---------------|---|
| BS2400-BS2401 | Basic Biology I with Lab  |
| BS2410-BS2411 | Basic Biology II with Lab   |
| BS5410-5420   | Seminar I: Reading in the Discipline/<br>Seminar II: Writing in the Discipline<br>(2 semesters) |

### **Six upper-division biology courses as follows:**

#### **1. At least one course chosen from each of the following areas:**

##### **a. Cellular-Molecular area:**

|        |              |
|--------|--------------|
| BS4400 | Cell Biology |
| BS4460 | Genetics     |

##### **b. Organismic area:**

|        |                       |
|--------|-----------------------|
| BS3400 | Vertebrate Physiology |
| BS3520 | Comparative Anatomy   |

##### **c. Population area:**

|        |           |
|--------|-----------|
| BS4440 | Evolution |
| BS4470 | Ecology   |

#### **2. Three courses chosen from the following Biology electives:**

|        |                          |
|--------|--------------------------|
| BS2490 | Environmental Science    |
| BS3400 | Vertebrate Physiology    |
| BS3450 | Plant Biology            |
| BS3510 | Parasitology             |
| BS3520 | Comparative Anatomy      |
| BS3530 | Comparative Genomics     |
| BS3531 | Comparative Genomics Lab |
| BS3710 | Environmental Physiology |

|        |                                 |
|--------|---------------------------------|
| BS3810 | Biological Aspects of Aging     |
| BS4400 | Cell Biology                    |
| BS4410 | Histology                       |
| BS4420 | Microbiology                    |
| BS4430 | Developmental Biology           |
| BS4440 | Evolution                       |
| BS4460 | Genetics                        |
| BS4461 | Immunology                      |
| BS4470 | Ecology                         |
| BS4471 | Freshwater Ecology (Limnology)  |
| BS4474 | Microbial Ecology               |
| BS4480 | Animal Behavior                 |
| BS4491 | Human Ecology                   |
| BS4500 | Cell and Molecular Neurobiology |
| BS4550 | Cancer Cell Biology             |
| BS4560 | Molecular Biology               |
| BS4651 | Toxicology                      |
| BS4680 | Environmental Health            |
| BS5590 | Advanced Research               |
| BS5591 | Environmental Research          |
| CP4510 | Biochemistry                    |

#### **3. MA2090 Precalculus (Calculus, Statistics or Computer Science recommended)**

#### **4. CP2220-2221 Structure of Physics I (with Lab)**

#### **5. CP2120-2121 & 2130-2131 Principles of Chemistry, I, II (with Labs) if additional Chemistry courses are planned**

#### **6. 8 credits in foreign language or computer science**

#### **7. Additional Recommended Courses. Electives may be chosen with an advisor to meet the specific interests of particular students.**

Electives in other programs should be chosen to cover a broad range of subject areas; advisors will assist students in selecting the most appropriate courses. These electives cannot be used in substitution of a biology elective course from section d.

### C. General Electives

In consultation with Academic Advisor

## Requirements for a Bachelor of Science (B.S.) Degree in Biological Sciences

(Total Credits Required 120)

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Departmental Requirements **66 credits**

- BS2400-BS2401 Basic Biology I with Lab  
 BS2410-BS2411 Basic Biology II with Lab  
 CP2120-2121 &  
 CP2130-2131 Principles of Chemistry I-II  
 (with Labs)  
 CP2220-2221 &  
 CP2230-2231 Structure of Physics I-II (with Labs)  
**OR**  
 CP2240-2241 &  
 CP2250-2251 General Physics I-II (with Labs)  
 CP3300-3302 &  
 CP3310-3312 Organic Chemistry I-II (with Labs)  
 BS5410-5420 Seminar I: Reading in the  
 Discipline/Seminar II: Writing in the Discipline  
 MA2310 Calculus and Analytic Geometry  
 A grade of D may be accepted toward  
 graduation in two of the required courses in  
 Chemistry/Physics or Math.

Six upper-division biology courses as follows:

#### 1. At least one course chosen from each of the following areas:

- a. Cell-Molecular area:**  
 BS4400 Cell Biology  
 BS4460 Genetics
- b. Organismic area:**  
 BS3400 Vertebrate Physiology  
 BS3520 Comparative Anatomy
- c. Population area:**  
 BS4440 Evolution  
 BS4470 Ecology

#### 2. Three courses chosen from the list of Biology electives

3. Completion of BS2400-BS2410 Basic Biological Sciences I and II with a grade of C or better is a prerequisite for upper-division biology courses. A grade of C or better is required in each biology course in order to be credited for graduation.

#### 4. A student may not repeat any Biology course more than one time.

### C. General Electives

In consultation with Academic Advisor

#### Biology Electives

- BS3400 Vertebrate Physiology  
 BS3450 Plant Biology  
 BS3500 Invertebrate Zoology  
 BS3510 Parasitology  
 BS3520 Comparative Anatomy  
 BS3530 Comparative Genomics Lect.  
 and BS 3531 Comparative Genomics Lab  
 BS3710 Environmental Physiology  
 BS3810 Biological Aspects of Aging  
 BS4400 Cell Biology  
 BS4410 Histology  
 BS4420 Microbiology  
 BS4430 Developmental Biology  
 BS4440 Evolution  
 BS4460 Genetics  
 BS4461 Immunology  
 BS4470 Ecology  
 BS4471 Limnology  
 BS4473 Tropical Marine Biology  
 BS4474 Microbial Ecology  
 BS4480 Animal Behavior  
 BS4491 Human Ecology  
 BS4500 Cell and Molecular Neurobiology  
 BS4550 Cancer Cell Biology  
 BS4560 Molecular Biology  
 BS4651 Toxicology  
 BS5590 Advanced Research  
 BS5591-BS5592 Environmental Research  
 CP4510 Biochemistry

## Environmental Studies and Ecology

For students interested in the environment and ecology, the Biological Sciences Department offers a minor in Environmental Studies. Students should meet with an advisor for guidance in selecting electives and preparing their senior project.

A B.S. degree with this emphasis will prepare a student for advanced laboratory research in environmental biology while a B.A. degree with this emphasis is designed for students more interested in administering environmental programs. Direct participation in environmental agencies and organizations on Long Island or independent laboratory research on an environmental problem is an important aspect of this emphasis.

## Middle Childhood and Adolescence Education Option

Middle childhood and adolescence education degrees are available for students planning a career teaching biology. By completing all requirements listed under Teacher Education in this catalog, students majoring in Biological Sciences satisfy all requirements for New York State initial certification in either middle childhood education (grades 5-9) or adolescence education (grades 7-12). Students must secure an advisor in both Teacher Education and Biological Sciences. (Refer to "Advisement" section under Teacher Education.)

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# CHEMISTRY AND PHYSICS DEPARTMENT

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**Distinguished Teaching Professor:** Robert M. Hoyte

**Distinguished Service Professor:** Henry Teoh

**Professors:** Barbara Hillery, Judith Lloyd, *Chair*, Konrad Wu

**Associate Professors:** Michael Colaneri, Fernando Espinoza  
Ruomei Gao, Duncan Quarless

**Assistant Professors:** Bright Emerlike, Youngjoo Kim

**Visiting Associate Professor:** Camille Jones, Steve Samuel

**Laboratory Manager:** Judith Johnson

**Laboratory Technician:** Jianli Zheng

## CHEMISTRY AND PHYSICS DEPARTMENT MISSION STATEMENT

The mission of the Chemistry and Physics Department is to provide a sound, broadly-based foundation in chemistry and physics to enable graduates to perform effectively in the chemical industries, graduate and professional school, and other work environments. Along with this foundation, the department's learning outcomes focus on the development of students' critical thinking and communication skills. In keeping with the College's social justice mission, we strive to accomplish these goals through close interaction between students and faculty, and by creating a learning environment that is welcoming to all.

## THE MAJOR IN CHEMISTRY

The Chemistry major is intended to serve three student constituencies: (1) first time to college and lower division transfer students; (2) transfer students who have earned either an Associate of Arts, Associate of Science, or Associate of Applied Science degree; (3) non-matriculated students wishing to complete courses in chemistry to further career or personal goals. Since this student clientele will vary greatly in ability, preparation, and goals, the program is designed to have substantial flexibility. This flexibility is accomplished by offering two degree options: the Bachelor of Arts (B.A.) degree and the Bachelor of Science (B.S.) degree.

The B.A. degree program requires fewer courses in chemistry than the B.S. program, leaving greater freedom for selection of courses in other areas, e.g., the biological sciences and liberal arts. This frequently is the preferred route for students preparing for entry into the health professions, as well as for students seeking opportunities in public school education or direct employment in scientific industries.

The B.A. degree in Chemistry is the logical option for those who wish to prepare for postgraduate study in medicine, dentistry, other health professions, law, and related professions.

The B.S. degree program is the recommended program for students planning graduate study in chemistry. It also prepares graduates for baccalaureate careers in the chemical sciences, and scientific positions related to the

environment, energy, and health professions. In contrast to the B.A., the B.S. degree requires more course work in chemistry and mathematics.

## THE MAJOR IN BIOCHEMISTRY

The Biochemistry major is also intended to serve the three student constituencies identified above for the chemistry major, but will appeal to students whose interests overlap the fields of chemistry and biology. The B.S. degree program in Biochemistry is designed to prepare students for careers in biotechnology and scientific work in emerging fields at the interface of biology and chemistry. It is a highly interdisciplinary curriculum that also prepares students for graduate study in biochemistry and related fields such as molecular and cellular biology. In addition, the Biochemistry major provides excellent preparation for students intending to seek entry into medical, dental, and other health professional schools.

## OTHER SERVICES

In addition to its degree-granting role, the Chemistry/Physics Department provides vital support both to science majors in fields other than chemistry and to non-science majors. The Department offers courses which appeal to broad segments of the college community, and provides non-science majors with the scientific concepts needed to function effectively in today's society.

## AMERICAN CHEMICAL SOCIETY CERTIFICATION

For those who wish to continue their education on the graduate level, an optional program based on recommendations of the American Chemical Society's Committee on Professional Training has been designed as an integral extension of the B.S. degree programs.

This optional curriculum has received full certification from the American Chemical Society (ACS). Students who complete the ACS approved program will be awarded an ACS certified B.S. degree in chemistry or in Biochemistry.

## TRANSFER STUDENTS

The Chemistry and Biochemistry majors are designed to articulate with a typical community college program. Transfer students who have followed a science curriculum at a two-year college, including one year each of introductory chemistry, organic chemistry, calculus and physics can expect to complete the chemistry major in two years. Transfer students must complete at least 18 credits of CP courses at or above the 3000 level at Old Westbury.

## PHYSICS COURSES

The Chemistry/Physics Department also offers courses in physics and physical science. The motivating philosophy for these courses is to provide the student with a broad background in the fundamental laws and principles of physics and mathematical physical sciences for work in biological science, chemistry, physics, engineering, mathematics, teacher education, business, computer and information sciences, and health-related fields. It is not possible to earn a degree in Physics at this time.

## EVENING STUDENTS

At the present time, it is not possible to earn a degree in Chemistry or Biochemistry by attending classes only during the evening.

## Competency Requirement for Graduation with a Degree in Chemistry or Biochemistry

Students must achieve a 2.0 average in core requirements taken at Old Westbury.

## Policy on Repeated Courses

No CP course may be taken more than three times. Students who are not successful after the third attempt in a course will be counseled out of the major.

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## Requirements for a Bachelor of Arts (B.A.) Degree in Chemistry

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Core Requirements

**(include 1 Chemistry elective) 51 credits (minimum)**

|        |                               |   |
|--------|-------------------------------|---|
| CP2120 | Principles of Chemistry I     | 3 |
| CP2121 | Principles of Chemistry I Lab | 1 |

|           |                                |   |
|-----------|--------------------------------|---|
| CP2130    | Principles of Chemistry II     | 3 |
| CP2131    | Principles of Chemistry II Lab | 1 |
| CP3300    | Organic Chemistry I            | 3 |
| CP3302    | Organic Chemistry I Lab        | 2 |
| CP3310    | Organic Chemistry II           | 3 |
| CP3312    | Organic Chemistry II Lab       | 2 |
| CP3400    | Analytical Chemistry           | 5 |
| CP4700    | Physical Chemistry I           | 3 |
| CP4710    | Physical Chemistry II          | 3 |
| CP4720    | Physical Chemistry Lab         | 2 |
| <b>OR</b> |                                |   |
| CP4520    | Biochemistry Lab               | 2 |
| CP5920    | Senior Seminar I               | 1 |
| CP5921    | Senior Seminar II              | 1 |
| CP2220    | Structure of Physics I         | 3 |
| <b>OR</b> |                                |   |
| CP2240    | General Physics I              | 3 |
| CP2221    | Structure of Physics I Lab     | 1 |
| <b>OR</b> |                                |   |
| CP2230    | Structure of Physics II        | 3 |
| CP2241    | General Physics I Lab          | 1 |
| <b>OR</b> |                                |   |
| CP2250    | General Physics II             | 3 |
| CP2231    | Structure of Physics II Lab    | 1 |

|           |                        |   |
|-----------|------------------------|---|
| <b>OR</b> |                        |   |
| CP2251    | General Physics II Lab | 1 |
| MA2310    | Calculus I             | 4 |
| MA2320    | Calculus II            | 4 |

**Chemistry Electives  
(at least one of the following) 2-5 credits**

|        |   |     |
|--------|---|-----|
| CP3230 | Mathematical Methods in the Physical Sciences | 3   |
| CP4320 | Advanced Organic Chemistry                    | 3   |
| CP4510 | Biochemistry I                                | 3   |
| CP4515 | Biochemistry II                               | 3   |
| CP4520 | Biochemistry Lab                              | 2   |
| CP4720 | Physical Chemistry Lab                        | 2   |
| CP4800 | Advanced Chemical Methods                     | 5   |
| CP5500 | Advanced Topics in Chemistry                  | 3   |
| CP5600 | Advanced Inorganic Chemistry                  | 3   |
| CP5900 | Research                                      | 2-4 |
| CP9990 | Independent Study in Chemistry/Physics        | 2-4 |

**C. General Electives**  
In consultation with Academic Advisor

**Total Credits Required: 120**

<sup>1</sup> No more than 4 credits of research can be counted toward satisfying elective requirements and no more than 8 credits toward degree requirements.

## Requirements for a Bachelor of Science (B.S.) Degree in Chemistry

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Core Requirements (include 3 Chemistry electives) 64 credits (minimum)

|        |                                |   |
|--------|--------------------------------|---|
| CP2120 | Principles of Chemistry I      | 3 |
| CP2121 | Principles of Chemistry I Lab  | 1 |
| CP2130 | Principles of Chemistry II     | 3 |
| CP2131 | Principles of Chemistry II Lab | 1 |
| CP3300 | Organic Chemistry I            | 3 |
| CP3302 | Organic Chemistry I Lab        | 2 |
| CP3310 | Organic Chemistry II           | 3 |
| CP3312 | Organic Chemistry II Lab       | 2 |
| CP3400 | Analytical Chemistry           | 5 |
| CP4700 | Physical Chemistry I           | 3 |
| CP4710 | Physical Chemistry II          | 3 |
| CP4720 | Physical Chemistry Lab         | 2 |
| CP4800 | Advanced Chemical Methods      | 5 |
| CP5920 | Senior Seminar I               | 1 |
| CP5921 | Senior Seminar II              | 1 |
| CP2240 | General Physics I              | 3 |
| CP2241 | General Physics I Lab          | 1 |
| CP2250 | General Physics II             | 3 |
| CP2251 | General Physics II Lab         | 1 |
| MA2310 | Calculus I                     | 4 |
| MA2320 | Calculus II                    | 4 |
| MA3330 | Calculus III                   | 4 |

|           |   |   |
|-----------|---|---|
| <b>or</b> |   |   |
| MA4360    | Differential Equations                        | 4 |
| <b>or</b> |   |   |
| CP3230    | Mathematical Methods in the Physical Sciences | 3 |

### Chemistry Electives (at least three of the following) 7-11 credits

|        |   |     |
|--------|---|-----|
| CP3230 | Mathematical Methods in the Physical Sciences | 3   |
| CP4320 | Advanced Organic Chemistry                    | 3   |
| CP4490 | Biochemistry for Life Science                 | 3   |
| CP4510 | Biochemistry I                                | 3   |
| CP4515 | Biochemistry II                               | 3   |
| CP4520 | Biochemistry Lab                              | 2   |
| CP5500 | Advanced Topics in Chemistry                  | 3   |
| CP5600 | Advanced Inorganic Chemistry                  | 3   |
| CP5900 | Research <sup>1</sup>                         | 2-4 |
| CP9990 | Independent Study in Chemistry/Physics        | 2-4 |

### C. General Electives

In consultation with Academic Advisor

**Total Credits Required: 120**

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## Requirements for a B.S. Degree in Chemistry with American Chemical Society Certification

To be eligible for ACS Certification, students must complete all requirements for the B.S. Degree in Chemistry with one of the three electives being Biochemistry I (CP4510). Of the remaining two electives, one must be chosen from among CP3230, CP4320, CP4515 or CP5600. Research (CP5900, 4 credits) as an elective for ACS Certification must include a comprehensive and well-documented research report. No more than 4 credits of research will count toward the ACS certification.

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## Requirements for a Bachelor of Science (B.S.) Degree in Biochemistry

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Core Requirements

**72 credits**

|           |                                |   |
|-----------|--------------------------------|---|
| CP2120    | Principles of Chemistry I      | 3 |
| CP2121    | Principles of Chemistry I Lab  | 1 |
| CP2130    | Principles of Chemistry II     | 3 |
| CP2131    | Principles of Chemistry II Lab | 1 |
| CP3300    | Organic Chemistry I            | 3 |
| CP3302    | Organic Chemistry I Lab        | 2 |
| CP3310    | Organic Chemistry II           | 3 |
| CP3312    | Organic Chemistry II Lab       | 2 |
| CP3400    | Analytical Chemistry           | 5 |
| CP4700    | Physical Chemistry I           | 3 |
| CP5920    | Chemistry Senior Seminar I     | 1 |
| CP5921    | Chemistry Senior Seminar II    | 1 |
| CP4510    | Biochemistry I                 | 3 |
| CP4515    | Biochemistry II                | 3 |
| CP4520    | Biochemistry Lab               | 2 |
| BS2400    | Basic Bio Sciences I w/ Lab    | 4 |
| BS2410    | Basic Bio Sciences II w/ Lab   | 4 |
| BS4400    | Cell Biology                   | 4 |
| BS4460    | Genetics                       | 4 |
| BS4560    | Molecular Biology              | 4 |
| CP2220    | Structure of Physics I         | 3 |
| <b>or</b> |                                |   |
| CP2240    | General Physics I              |   |
| CP2221    | Structure of Physics I Lab     | 1 |
| <b>or</b> |                                |   |
| CP2241    | General Physics I Lab          |   |

CP2230 Structure of Physics II 3

**or**

CP2250 General Physics II  
CP2231 Structure of Physics I Lab 1

**or**

CP2251 General Physics II Lab  
MA2310 Calculus I 4  
MA2320 Calculus II 4

### Electives

**(at least 2 of the following)**

**4-9 credits**

|        |                                 |     |
|--------|---------------------------------|-----|
| CP3230 | Math Methods in Phys. Science   | 3   |
| CP4320 | Advanced Organic Chemistry      | 3   |
| CP4710 | Physical Chemistry              | 3   |
| BS3400 | Vertebrate Physiology           | 4   |
| BS4550 | Cancer Cell Biology             | 4   |
| BS6750 | Biological Pharmacology         | 3   |
| CP4720 | Physical Chemistry Lab. II      | 2   |
| CP4800 | Advanced Chemical Methods       | 5   |
| CP5500 | Advanced Topics in Chemistry    | 3   |
| CP5900 | Research                        | 2-4 |
| CP9900 | Independent Study in Chem./Phys | 2-4 |
| BS4420 | Microbiology                    | 4   |
| BS4461 | Immunology                      | 4   |
| BS4500 | Cell and Molecular Neurobiology |     |

### C. General Electives

In consultation with Academic Advisor

**Total Credits Required: 120**

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## Requirements for a B.S. Degree in Biochemistry with American Chemical Society Certification

To be eligible for ACS Certification, students must complete all requirements for the B.S. Degree in Biochemistry with the added requirements of completion of Physical Chemistry II (CP4710) and Advanced Chemical Methods (CP4800). Research (CP5900) may not substitute for any requirements for purposes of ACS certification.

## Middle Childhood and Adolescence Education Option

Middle Childhood and Adolescence Education degrees are available for students planning a career teaching chemistry. By completing all requirements listed under School of Education in this catalog, students majoring in Chemistry satisfy all requirements for New York State initial certification in either Middle Childhood Education (grades 5-9) or Adolescence Education (grades 7-12). Students must secure an advisor in both School of Education and Chemistry. (Refer to "Advisement" section under School of Education.)

# ENGLISH DEPARTMENT

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**Professors:** Christopher Hobson, Mervyn Keizer

**Associate Professors:** Linda Camarasana, Nicholas Powers, Margaret Torrell, *Chair*

**Assistant Professors:** Jacqueline Emery, Amara Graf

**Visiting Assistant Instructor:** Jessica Williams

**Visiting Instructor:** Danielle Lee

## Bachelor of Arts (B.A.) Degree in English

The English Department houses Old Westbury's Writing Program and offers the Bachelor of Arts Degree in English.

The B.A. in English provides majors with a cutting-edge curriculum in the study of multicultural and world literature, advanced writing and research, and critical thinking and analysis. The English program rigorously cultivates skills in literary analysis, careful reading, and advanced writing through a multicultural and global literary framework. Building on common foundations, this degree offers two upper-level specializations: Multicultural U.S.-British Literature and World Literature.

The English major is designed to give students:

- Knowledge of the main themes, historical/social backgrounds, periods of development, and genres of British/U.S. and European/World Literature, with specific knowledge of the multicultural and intercultural content of those literatures
- Ability to interpret literary texts with regard to themes, form, genre affiliations, and social/cultural reference
- Mastery of English writing skills, including the ability to construct large-scale interpretive-analytical papers that are proficient in grammar, expression, discussion of literary scholarship, and discipline-specific (MLA) documentation
- Ability to synthesize and integrate knowledge from different courses into an overall conception of the development and importance of Multicultural or World Literature

At the **Foundations** level, requirements recognize the importance of firm grounding in Language Arts and Literary Interpretation. These emphases correlate with stress on skills foundations in current pedagogy. The **Linguistic Foundations** requirement recognizes the centrality of strong training in the history and structure of language as well as the formal grammar of English.

The **Literary Analysis** requirement offers training in literary interpretation, close reading, knowledge of literary genres, social and historical contextualization of literature, and literary theory, today a sine qua non of competitive literature degrees.

A three-course sequence in **Literary Traditions** includes historical surveys of British, U.S., European, and World literature and selected courses in classical foundations, genres, and such recent topics as postcolonialism.

The **Multicultural U.S./British Literature Specialization** is rooted in recent trends in literary theory and interpretation, which view U.S./British literature as expressing diverse national, cultural, and gender perspectives within a common tradition. Multicultural U.S./British Literature includes texts from both the U.S. and U.K. by writers of different ethnicities, genders, sexualities, classes, and ability/disability status. Multicultural literature focuses on the complexity of two countries in which people of many different cultures cohabit. Such fields as African American Literature, Multi-Ethnic Literatures of the United States, Women's Literature, and Lesbian and Gay Literature, increasingly prominent in English studies since 1990, form the core of this specialization. This specialization enhances the competitiveness of students applying to graduate English programs or continuing to a variety of careers.

The **World Literature Specialization** studies literature in English from outside the U.S./U.K. as well as other literatures in translation. This specialization speaks to the increasing integration of international literary culture and to an increasing emphasis on global culture. It is directly relevant to the sizeable number of Old Westbury students from postcolonial English speaking cultures and to others with an interest in world culture. It helps prepare students for graduate study in such fields as Postcolonial Studies, the Literature of the African Diaspora, and others, and for varied careers.

The **Senior Seminar** requirement offers an integrated capstone experience for students in this degree program. The Senior Seminar requirement begins with **Senior Seminar I—Research and Writing**, an intensive preparation for the Senior Thesis including study of advanced research methods, seminar presentations, and a semester-length writing project. **Senior Seminar II—Thesis** provides a semester-long thesis writing project with a common curriculum of reading and research.

The English Department offers co-curricular, community-building activities and systems of support for our majors through individual academic advising sessions; student publications and conferences; and workshops, poetry readings, and career networking sessions. The Department publishes *Harmonia*, a creative writing journal, and *Discordia*, a literary scholarship journal open to all Old Westbury students. An annual Student Conference on Language and Literature encourages students to present their own papers. Majors have opportunities to earn course credit as peer mentors and as peer tutors. Internships place students in legal, cultural and publishing venues under the supervision of professionals.

The B.A. Degree in English program prepares majors for entrance into graduate school as well as for employment in fields that require strong proficiency in communication, writing, critical analysis, and intercultural understanding. Our graduates work in fields such as publishing, banking, education, business, library sciences, teaching, and law. Our graduates have continued their education, pursuing graduate degrees in English, Education (including Old Westbury's Master of Arts in Teaching English Language Arts 7-12), Library Science, Business Law, and other fields of study.

The English Department is equally dedicated to developing the language arts skills of Old Westbury students (including writing, revising, reading, researching, information management, public speaking, and critical thinking) through our offerings of English Composition I and II.

Faculty value involvement in campus life and reflect the College's mission to promote "intercultural understanding" and to "build a more just world" in our approaches to teaching, service work, and professional development projects.

## Evening Students

At this time, completing the major requires predominantly daytime attendance.

## Transfer Students

Students can complete the major in a two-year period. Up to twelve transfer credits may apply toward the forty-four credits required for the major.

## Requirements for a B.A. Degree in English

(120 credits, 90 in liberal arts):

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements:

All students in the major take a set of platform courses (levels 1 - 3) and complete the Senior Seminar sequence (level 5). Students choose one of two specializations, **U.S. -British Multicultural Literature or World Literature**, at level 4. Summaries of the areas and credits are as follows:

**Prerequisites:** EMS for all courses at 3000 level or above.

#### Distribution Requirements:

**(a)** At least 2 courses primarily in literature written before 1800 (for the U.S., 1900)

**(b)** At least 1 course in each of: British Literature; U.S. Literature; and World Literature. Either EL3500 or 3510 may be used to satisfy the British or U.S. Literature requirement, but not both.

#### Grade Requirement:

A maximum of one grade of C-, and no grade below C-, may be counted toward satisfying the Major requirements.

**Note:** *Not all courses are offered in any semester.*

**Consult course descriptions and online class schedules.**

### B.A. in English

**44 credits**

- |                           |            |
|---------------------------|------------|
| 1. Linguistic Foundations | 4 credits  |
| 2. Literary Analysis      | 8 credits  |
| 3. Literary Traditions    | 12 credits |
| 4. Specializations        | 12 credits |

#### a. U.S.-British Multicultural Literature

#### b. World Literature

- |                   |           |
|-------------------|-----------|
| 5. Senior Seminar | 8 credits |
|-------------------|-----------|

### Structure and Sequence of Courses:

#### 1. Linguistic Foundations (choose one):

EL3010 Structure and Grammar of English

#### 2. Literary Analysis (choose two):

EL3500 Literature Across Cultures I: Analysis and Interpretation

EL3510 Literature Across Cultures II: Theory

EL4400 Critical Theory

#### 3. Literary Traditions (select one From Group A, one from Group B, and one from Group A, B, or C)

##### A. British and U.S. Literature:

EL3600 US Literature I: Colonial Period to Civil War

EL3610 US Literature II: Civil War to Present

EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare

EL3810 English Literature II: Romantics to Present

### **B. World Literature:**

- EL3560 Literatures of Europe Part I
- EL3561 Literatures of Europe Part II
- EL3700 Survey of World Literature

### **C. Genres and Traditions, Multicultural and World Literature:**

- EL3950 Creative Non-Fiction
- EL4200 Biblical-Classical Influences on Multicultural Literature
- EL4300 20<sup>th</sup>- Century Literature: Colonialism and Postcolonialism
- EL4311 Greek Drama
- EL4312 Greek Mythology
- EL4325 Shakespeare: Selected Plays
- EL4402 Sin and Sexuality in Literature
- EL4500 Topics in British/US Literature
- EL4510 Modern Drama and Theater
- EL4540 Epic: East and West

### **4. Specializations: Choose Multicultural U.S.-British Literature OR World Literature**

#### **Multicultural U.S.-British Literature Specialization:**

#### **A. Electives. Choose any two from these groups: British/U.S. Literature**

- EL4030 Women and Narrative
- EL4050 Lesbian and Gay Literature
- EL4060 Literature of Class and Class Consciousness
- EL4080 Extraordinary Bodies: Disability in Literature

#### **U.S. Literature**

- ML3410 Latino Writers in the US
- EL3811 Survey of African American Literature
- EL4000 Native American Literature
- EL4010 Harlem Renaissance

- EL4015 Multi-Ethnic Literatures of the United States
- EL4020 Asian American Literature
- EL4040 Black Women Writers
- EL4070 Topics in African American Literature
- EL4090 African American Novel
- EL4091 African American Poetry and Plays
- EL4405 Caribbean Literature

#### **British Literature**

- EL4550 Modern English Literature 1890-1960
- EL4560 Multicultural British Literature Since 1960

#### **B. Required for all students in the specialization:**

- EL4800 Major Authors

#### **World Literature Specialization:**

#### **Note: Non-English Literatures are read in translation.**

#### **A. Surveys—Choose one:**

- EL3865 Literature of Asia
- EL3870 Literatures of Africa
- EL/ML3880 Masterpieces of Hispanic Literature

#### **B. Electives—Choose two:**

- EL4405 Caribbean Literature
- EL4600 Literature of India
- EL4630 Latin American Literature
- EL4640 French Literature
- EL4650 Literature of Russia and Eastern Europe

#### **5. Senior Seminars**

- EL5000 Senior Seminar—Research and Writing<sup>1</sup>
- EL5010 Senior Seminar—Thesis

#### **C. General Electives: In consultation with academic adviser, for a total of 120 credits.**

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<sup>1</sup>Prerequisite for EL5000: EMS, Senior Standing. Prerequisite for EL5010: EMS, Completion of EL5000.

## **Courses in Composition**

The Department of English offers a range of courses in composition. All courses are designed to develop facility in reading and writing and to sharpen critical thinking, listening, oral communication, research and study skills. These English courses fulfill SUNY-mandated General Education requirements in Basic Communication as well as the two-course Old Westbury collegewide Writing requirement. English Composition I: Exposition, EL1000, concentrates on language development and rhetorical models. For English Composition II: Argumentation/Literary Perspectives, the Department offers a diverse set of thematically organized courses numbered between EL2200 and EL2299. These courses offer further training in expository writing and introduce students to research skills and scholarly documentation. All EL2200-2299 courses train students in the same skill sets, while offering variety in literary focus. EL1000 and 2200-2299 also fulfill SUNY-mandated assessment requirements in Oral Communication, Information Management, and Revision.

A grade of C or better is required to pass EL1000 and EL2200-2299.

## **Basic English and English for Speakers of Other Languages**

The College no longer offers courses in Basic English. The Department periodically offers courses in English for Speakers of Other Languages for international students.

## **Liberal Education Curriculum Courses**

Most but not all courses above the 2200 level courses fulfill Liberal Education Curriculum Domain requirements in the areas of Humanities and/or Diversity. Consult the Liberal Education Curriculum Bulletin or speak with a Department adviser for guidance.

## Non-Major Electives

EL2001 Public Speaking  
EL2310 Introduction to Literature  
EL2350 Reading & Writing for a Multicultural  
Community

EL3901 Introduction to Creative Writing  
EL3930 Language and Communication Skills for  
Educators

# HISTORY AND PHILOSOPHY DEPARTMENT

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**Professors:** Edward Bever, Judith Walsh, *Acting Chair*

**Associate Professors:** Sylvie Kandé, Maureen Feder-Marcus, Xavier Maréchaux, Jingyi Song

**Assistant Professor:** Juan Galvis

**Visiting Assistant Professor:** Chelsea Gal

**Lecturer:** Leyla Amzi-Erdogdular

The History and Philosophy Department prepares students for leadership and lifelong learning in a time of rapid globalization through courses that emphasize multicultural and international perspectives in disciplines such as history, philosophy, anthropology, religion, and cultural studies. The degrees offered by the department give students a chance to enrich their understanding of human existence while preparing them for leadership in a wide range of professional fields.

## THE CURRICULUM

The History and Philosophy Department is responsible for two Bachelor of Arts degree programs. Both provide students with a range of options, allowing them to design a course of study suited to their interests. At the same time, these degrees offer excellent preparation for a variety of career paths and graduate degrees. The degree programs are:

**History**- provides an embracing perspective from which to study human lives and affairs. The B.A. in History includes two tracks: a. the History Liberal Arts Track and b. the History Social Studies Track. The History Liberal Arts Track is designed for majors with a general interest in the discipline of history and requires courses in Western, non-Western, global, and trans-regional history as well as a course in geography, a course in historiography and a Senior Seminar. The History Social Studies Track is for majors who wish to teach Social Studies at the secondary level and requires substantial course work in history as well as in geography, political science, and economics.

**Philosophy and Religion** – emphasizes the analysis of values, belief systems, and contemporary ethical issues with courses in diverse cultural traditions and major areas of philosophical and religious thought. Students explore the common aspects of these topics as well as their differences. Courses from the Western tradition and from Islamic, Asian, and African perspectives are included. All courses emphasize critical thinking and analytical skills and help students form a coherent set of ethical judgments and beliefs.

## Minors

Minors providing particularly valuable complements for the major include: Computer Information Science, Environmental Studies, Global Studies, Pre-Law, Islamic Studies, Pre-Law, and Women & Gender Studies.

## Special Activities

The History and Philosophy Department organizes the Summer Study Abroad Program in China which is a credit-bearing course. The four-week program of study and travel, currently based at Wuyi University in Guangdong, provides an excellent experience for all majors in the department as well as for candidates in other areas of Arts and Sciences, Education, and Business. The department sponsors a student club. The department is also home to Old Westbury's chapter of Phi Alpha Theta, the national history honors society.

## Career Opportunities

With an emphasis on critical thinking, problem-solving, language, communicative skills, and an appreciation of the diversity of modern American society, degrees in the department provide excellent preparation for professional

careers and for graduate study in the liberal arts. Graduates of the program have gone on to successful careers in education, public relations, social services, and government. In an increasingly international world, the multicultural outlook and communications skills fostered by the department's programs are essential for every career path.

## Study Abroad

In addition to the Summer Study Abroad Program in China, students are encouraged to apply for other study abroad programs offered by Old Westbury and SUNY.

## Evening Students

Course selections in the evening are limited, but the History and Philosophy Department will try to accommodate evening students. A number of courses are offered online, and courses are generally offered in the summer sessions and January mini-semester.

## Transfer Students

Students may be able to substitute up to five courses taken at other institutions to fulfill requirements in the major. Consult the department chair for specific course equivalents.

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## Requirements for a Bachelor of Arts Degree in History

The B.A. in History can be completed through the History Liberal Arts Track or through the History Social Studies Track. Both tracks provide majors with a background in history that is both broad and deep. This, together with the skills learned in analysis, research and writing, provides an excellent foundation for global citizenship in the 21st century world, whatever a major's future career path may be.

The History Liberal Arts Track provides majors with an excellent foundation for future careers in areas such as law, international relations, college teaching, museum work, public administration, publishing, social work, and urban and regional planning. Majors complete introductory work in American, European, and Non-Western history. To consolidate a global perspective, students take a course in geography, an advanced trans-regional course on the relationship between two or more world regions, and an advanced Global history course. In addition, they take a course in Historiography, three electives of their own choosing, and a Senior Seminar in which they write an original thesis.

**The History Social Studies Track** is designed for students who want to teach Social Studies at the secondary level (grades 7-12). Majors in this track complete a rigorous course of study that includes multiple courses in American, European, and Non-Western history; one course each in modern (global) World History, in Science and Technology, in Geography, and in Politics; and two courses in Economics. Majors in the Social Studies track also complete the Social Studies Senior Seminar in which they write an original research paper.

Majors completing the History Social Studies Track have the option of graduating with an Adolescence Education degree in Social Studies. By gaining admission to the School of Education, completing School of Education course requirements for Adolescence Education: Social Studies, and passing New York State certification exams, students majoring in the History Social Studies Track will satisfy all requirements for New York State initial certification in Adolescence Education: Social Studies (grades 7-12).

Alternatively, majors in the History Social Studies Track can pursue state certification by enrolling in the college Social Studies M.A.T. program after graduation. The M.A.T. program involves a separate application process during a student's senior year. The History Social Studies Track fulfills all content course requirements for admission into the M.A.T. program and provides an excellent background for the areas of teaching encountered in secondary social studies curricula. Students graduating from the M.A.T. program are fully prepared to take the statewide certification exams and enter the teaching profession with the highest degree they will need.

**Five-Year B.A./M.A.T. Degree in Adolescence Education: Social Studies.** The School of Education in conjunction with the History and Philosophy department will offer highly qualified undergraduates the opportunity to complete a B.A. in Adolescence Education: Social Studies and a Master of Arts and Teaching degree in Adolescence Education: Social Studies within 5 years. Students interested in this program should contact Dr. Xavier Marechaux, Chair, Adolescence Education, School of Education (marechaux@oldwestbury.edu).

## Track I: History Liberal Arts

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements

**40 credits**

[A minimum of 4 courses at the 4000 or 5000 level.]

### 1. European History: 4 credits (one course)

HI2681 Introduction to European History

### 2. American History: 4 credits (one course) from the following

AS2112 American People I

AS2122 American People II

**3. History of Africa, East Asia, South Asia, the Middle East, and Latin America: 4 credits (one course) from the following:**

**Africa**

HI3091 African Cultures  
HI3640 African History

**East Asia**

HI3080 Asian Cultures  
HI3900 Modern China [study abroad]  
HI4905 Chinese Civilization

**South Asia**

HI3080 Asian Cultures  
HI4800 History of India

**Middle East**

HI3835 Islamic Cultures  
HI4306 Golden Age of Islam  
HI4308 History of the Modern Middle East

**Latin America**

HI3110 Latin American Culture  
HI3700 Historical Geography of Latin America  
PE4690 Politics of Latin America & Caribbean

**4. Geography: 4 credits (one course) from the following:**

HI2810 Geography, Earth, and People  
HI3600 Global Geography  
HI3700 Historical Geography of Latin America  
[if not used for #3 Above]  
HI4600 World Regional Geography

**5. Global Perspective: 4 credits (one course) from the following:**

HI4001 Nineteenth Century  
HI4011 Twentieth Century

**6. Trans-regional Connections: 4 credits (one course) from the following:**

HI3610 America's African Heritage  
HI3840 Crescent and Cross  
HI4650 History of African Enslavement;  
HI4850 Domesticity 19th/20th centuries  
HI4910 Chinese Diaspora Across the Pacific

**7. Historiography: 4 credits (one course)**

HI4062 Making History

**8. History Electives: 12 credits (three courses)**

In consultation with an advisor three courses from any of the above courses or from the additional list below:

**European and/or World History**

HI3002 Rise of Reason  
HI3011 Foundations of the Judeo-Christian Tradition  
HI3021 Europe in the Middle Ages  
HI3030 From God to Machine  
HI3102 Hispanic Heritage  
HI3455 Modern European Revolutions  
HI3558 Classical Greco-Roman History  
HI3703 Modern Philosophy

HI4308 History in the Modern Middle East  
HI4395 Philosophy from the 20th to the 21st Century  
HI4415 Europe of the Dictators  
HI4420 Women and Witchcraft  
HI4557 Renaissance and Reformation Europe  
AS2262 African American History I  
AS2263 African American History II

**American History**

AS2640 U.S. Latina/o History  
AS3222 Urban History  
AS3402 Women, Work, and Careers  
AS3412 African-American Women's History  
AS3462 History of Women in the U.S.  
AS4212 Early America  
AS4215 Critical Ideas in American History  
AS4218 Civil War and Reconstruction  
AS4222 The Emergence of Modern America  
AS4252 Immigration History  
AS4282 America in War and Peace, 1898 to 1975  
AS4283 America between the World Wars  
AS4285 Vietnam and After  
AS4290 Youth in America: A History  
AS4292 America Since World War II: 1945-1989  
AS4402 History of the Family in the U.S.  
AS4420 History of New York City and State  
AS4432 History of the Women's Movement

ONE of the following with permission of advisor:  
AS5000 U.S. History in Global Perspectives  
AS5212 Narrative and History  
AS5312 History of U.S. Culture  
AS5350 History of the Slave Narrative  
AS5412 Protest and Change  
AS5800 Research in American History and Culture

**9. Senior Seminar 4 credits (one course)**

HI5900 Senior Seminar

**C. General Electives**

In consultation with Academic Advisor

**D. Other Requirements**

Candidates may not earn more than one grade below C- in the required courses for the degree, whether taken at Old Westbury or elsewhere.

**TOTAL CREDITS REQUIRED**

**120**

**Track II: History Social Studies**

**A. Liberal Education Curriculum**

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

**B. Major requirements**

**64 credits**

[A minimum of 5 courses at the 4000 or 5000 level.]

**1. European History: 8 credits (two courses)**

HI2681 Introduction to European History  
[required]  
And one course from the following:  
HI3002 Rise of Reason

- HI3011 Foundations of the Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 From God to Machine [if not used for Science/Tech requirement]
- HI3102 Hispanic Heritage
- HI3455 Modern European Revolutions
- HI3558 Classical Greco-Roman History
- HI4415 Europe of the Dictators
- HI4420 Women and Witchcraft
- HI4557 Renaissance and Reformation Europe

**2. American History: 16 credits (four courses)**

AS2112 American People I [required]  
 AS2122 American People II [required]  
 Two courses from the list below. (Or one required course and three electives with History/Philosophy advisor's permission)

- AS2262 African American History I
  - AS2263 African American History II
  - AS2640 U.S. Latina/o History
  - AS3222 Urban History
  - AS3402 Women, Work, and Careers
  - AS3412 African-American Women's History
  - AS3402 Women, Work, and Careers
  - AS3412 African-American Women's History
  - AS3462 History of Women in the U.S.
  - AS4212 Early America
  - AS4215 Critical Ideas in American History
  - AS4218 Civil War and Reconstruction
  - AS4222 The Emergence of Modern America
  - AS4252 Immigration History
  - AS4282 America in War & Peace: 1898 to 1975
  - AS4285 Vietnam and After
  - AS4290 Youth in America: A History
  - AS4292 America Since World War II: 1945-1989
  - AS4290 Youth in America: A History
  - AS4402 History of the Family in the U.S.
  - AS4420 History of New York City and State
  - AS4432 History of the Women's Movement
- ONE of the following with permission of advisor:

- AS5000 U.S. History in Global Perspectives
- AS5212 Narrative and History
- AS5312 History of U.S. Culture
- AS5350 History of the Slave Narrative
- AS5412 Protest and Change
- AS5800 Research in American History and Culture

- PE3850 State and Local Politics
- PE4655 Constitutional Law and Politics

**3. History of Africa, East Asia, South Asia, the Middle East, and Latin America : 12 credits (three courses) chosen from THREE (3) of the following five world areas:**

**Africa**

- HI3091 African Cultures
- HI3640 African History

**East Asia**

- HI3080 Asian Cultures [may be used for only one world area]

- HI3900 Modern China [study abroad]
- HI4905 Chinese Civilization

**South Asia**

- HI3080 Asian Cultures [may be used for only one world area]
- HI4800 History of India
- PE4660 Politics of India and the Region

**Middle East**

- HI3835 Islamic Cultures
- HI4306 Golden Age of Islam
- HI4308 History in the Modern Middle East

**Latin America**

- HI3110 Latin American Culture
- HI3700 Historical Geography of Latin America
- PE4690 Politics of Latin America and the Caribbean

**4. Global Perspective: 4 credits (one course) from the following:**

- HI4001 Nineteenth Century
- HI4011 Twentieth Century
- AS5000 Topics in U.S. History in a Global Perspective
- PE4580 Origins of the Capitalist Economy
- PE4590 Global Economy in the 20th Century

**5. Trans-regional Connections: OPTIONAL**

Majors may opt to replace ONE American (#2), European (#1) or Non-Western (#3) elective with a trans-regional course as indicated below.

- HI3610 America's African Heritage (Am OR NW)
- HI3840 Crescent and Cross (Eu OR NW)
- HI4650 History of African Enslavement (Am OR NW)
- HI4850 Domesticity 19th/20th centuries (Eu OR NW)
- HI4910 Chinese Diaspora (Am OR NW)

**6. Science, Technology, and Society: 4 credits (one course)**

- CP2050 Nature & Development of Science
- HI2200 Science in Western Civilization
- HI3030 From God to Machine [if not used for European history elective]

**7. Geography: 4 credits (one course) from the following:**

- HI2810 Geography, Earth, and People
- HI3600 Global Geography
- HI4600 World Regional Geography

**8. U. S. Politics: 4 credits (one course)**

- PE2650 Intro to U.S. Politics

**9. Economics: 8 credits (two courses) from the following:**

- PE2400 Intro to Political Economy
- PE2420 Microeconomics
- PE2430 Macroeconomics

**10. Social Studies Senior Seminar 4 credits (one course)**

- HI5000 Social Studies Senior Seminar

### C. General Electives

In consultation with Academic Advisor

below C- in the required courses for the degree, whether taken at Old Westbury or elsewhere.

### D. Other Requirements

Candidates may not earn more than one grade

**TOTAL CREDITS REQUIRED**

**120**

## Requirements for a Bachelor of Arts Degree in Philosophy and Religion

Students are required to complete a minimum of 120 credits, including 51-52 credits of Liberal Education Curriculum courses, major requirements (40 credits), and general College electives. No more than one course with a D grade will be accepted toward requirements for the major.

The Philosophy and Religion degree gives students grounding in the traditional issues, content, and methods of these disciplines while emphasizing a broad global perspective. At the introductory level students take courses in disciplinary foundations and methods, as well as general surveys in the disciplines. The major then requires the study of philosophy and religion within specific cultural contexts with opportunities for students to engage with Western, Islamic, African and Asian systems of thought and value.

Given the common ethical and normative concerns of the two disciplines, students take an ethics course that has both an applied and a multicultural perspective. Upper division electives allow students to do in-depth and specialized work on issues and topics of their choosing, with a disciplinary focus. Students with a particular interest in some area of applied ethics, such as the environment, issues of race and gender, health, and social policy, may choose elective courses from outside the major in consultation with an advisor. Pre-law students should also consult with an advisor in choosing their electives.

Successful completion of the degree will give students an understanding of the role of philosophical principles and religious systems in current ethical and political debates, as well as an understanding of the existential issues common to all humankind. The courses enhance critical thinking, analytical skills and the ability to make independent and informed ethical judgments. The Philosophy and Religion major is excellent preparation for many career paths and is especially recommended for students preparing for law school.

**A. Liberal Education Curriculum 51-52 credits.**  
Refer to the Liberal Education Curriculum Bulletin for specific requirements.

**B. Major Requirements Total: 40 credits**

#### 1. Disciplinary Perspectives/Surveys (Choose Two)

- HI1010 World Religions: West
- HI1020 World Religions: East
- HI2720 Introduction to Philosophy

#### 2. Disciplinary Methods (Choose One)

- HI2155 Introduction to Comparative Religion
- HI2700 Introduction to Logic

#### 3. Cultural Foundations (Choose Two)

- HI3011 Foundations of Judeo-Christian Tradition
- HI3080 Asian Cultures
- HI3091 African Cultures
- HI3835 Islamic Cultures
- HI3840 Crescent and Cross
- HI4905 Chinese Civilization

#### 4. HI3752 Ethics (Required)

#### 5. Electives (Choose Three from One of the Following clusters)

##### Modes of Philosophical Inquiry

- HI3323 Buddhism
- HI3525 Ancient Greek Philosophy
- HI3703 Modern Philosophy
- HI3704 African Religions and Philosophy
- HI3710 Contemporary Philosophical Issues
- HI3950 Philosophy of Religion
- HI4051 Logic and Scientific Reasoning

- HI4318 Islamic Philosophy and Mysticism
- HI4395 20th & 21st Century Philosophy
- PE4620 Political Thought
- PE4665 Human Rights
- PE4658 Law and Civil Liberties
- PE4659 Law and Civil Rights
- SY4810 Law and Justice

##### Modes of Religion Inquiry

- HI3040 Analysis of Cultures
- HI3130 The Black Church in America
- HI3200 Contemporary Experience of Religion
- HI3323 Buddhism
- HI3704 African Religions and Philosophy
- HI3950 Philosophy of Religion
- HI4305 Islam and the Quran
- HI4306 Golden Age of Islam
- HI4313 Islamic Philosophy & Mysticism
- HI4420 Women and Witchcraft
- EL4312 Greek Mythology

##### Ideas, Ideology and Culture

- AS3482 History of Love and Sexuality
- AS4215 Critical Ideas in American History
- HI3002 Rise of Reason—The Classical Origins of Western Culture
- HI3030 From God to the Machine: Europe from the Sixteenth to the Eighteenth Centuries
- HI3040 Analysis of Cultures
- HI3200 Contemporary Religious Experience
- HI4308 Islam in the Modern World
- HI4420 Women and Witchcraft

PE4580 Origins of the Capitalist Economy  
PE4620 Political & Social Thought  
SY4530 Sociological Theory I  
SY4520 Global Sociology

**6. Senior Research Project.** A capping requirement for Philosophy and Religion majors involving a substantial research project that can be fulfilled in one of the following ways:

1. The student may enroll in HI5910 at the same time as another upper-division Philosophy and Religion course and do the research project in conjunction with the course;

2. The student may enroll in HI5910 and do the research project as a "stand-alone" undertaking in consultation with an adviser.

Senior standing and permission of the course instructor (for Option 1) or project adviser (for Option 2) required.

3. The student may enroll in HI5900 and fulfill the requirements for that course, consulting with an advisor, as necessary, on a topic appropriate to the major.

### **C. General Electives**

In consultation with Academic Advisor

# INDUSTRIAL AND LABOR RELATIONS

(POLITICS, ECONOMICS AND LAW DEPARTMENT)

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**Assistant Professor:** Thomas J. Lilly, Jr., *Coordinator*

The Bachelor of Arts and Bachelor of Science degrees in Industrial and Labor Relations are multidisciplinary majors within the Politics, Economics and Law Department. Through the vantage point of worker/employer relations, they explore the history, contributions, and problems of working people and their institutions in contemporary society, as well as the theory and practice of various management methods and models, from scientific management to modern human resource management. Foundation courses introduce students to the analytical tools of political science and economics that are useful in the specialized study of labor-management issues.

Core courses emphasize current labor-management and labor-government issues, including collective bargaining, grievance procedures, arbitration, labor and employment law, public policy, and labor economics. Electives allow students the opportunity to further explore labor-management issues from the perspectives of management, unions, history, economics, sociology, politics, law, and public health.

The curriculum recognizes that globalization of labor markets and production is rapidly changing the labor-management environment. Multinational enterprises, with their enormous size and ability to relocate production and other facilities, have upset the post-World War II balance of power with unions. Thus, courses emphasize the dynamic nature of current labor-management relations.

## **Careers and Graduate Education**

With their multidisciplinary curricula, combined with their emphasis on critical thinking and communication skills (written and oral), the Industrial and Labor Relations majors provide students with a solid foundation for immediate careers and for graduate study. Students are well prepared for careers in ILR, human resource management, business, unions, advocacy, and government agencies (e.g., Department of Labor). Students also pursue graduate studies in law, ILR, management, public administration, and similar fields. Our graduates currently are in leadership and high staff positions in HR departments, labor unions, and government agencies.

The Long Island chapter of the Labor and Employment Relations Association (LERA) offers a scholarship each year to an Old Westbury ILR major, and it welcomes students to attend its meetings.

## **Internships**

To assist students in exploring career opportunities, the ILR faculty actively pursues internships for academic credit. The model consists of a mentor – in a human resources department, a labor union, or a government agency – acquainting the student as to various responsibilities and activities. The internships are one semester long. Contact the Coordinator of ILR well before the semester begins to apply for an internship.

## **Transfer Students**

Students may earn no grade lower than a C- in courses for the ILR degrees. A maximum of five courses may be transferred from another institution toward the B.A. in ILR, and a maximum of six courses may be transferred to-

ward the B.S. in ILR. A transferred two course sequence offering two credits for each course is equivalent to one course in the major.

## Evening Students

Students majoring in ILR can fulfill requirements for graduation by attending evening classes.

## Life Long Learners (LLL)

Adult students who wish to continue their education by taking credit courses, without pursuing a degree, may elect to attend the college under a non-matriculated status. Many students, particularly members of labor unions, enroll in ILR courses as Life Long Learners (LLL). The Office of Enrollment Services will assist such students.

## Requirements for a Bachelor of Arts (B.A.) Degree in Industrial and Labor Relations

(120 credits, 90 credits in liberal arts)

The Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are multidisciplinary programs of study, drawing on courses offered in several departments at the College.

### A. Liberal Education Curriculum

Refer to the *Liberal Education Curriculum Bulletin* for specific requirements.

### B. ILR degrees (refer to the following)

## Bachelor of Arts (B.A.) Degree in Industrial and Labor Relations (52 credits or 13 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

### Foundation Courses (16 credits or 4 courses required)

|        |                                |
|--------|--------------------------------|
| PE2300 | Introduction to Law            |
| PE2420 | Principles of Microeconomics   |
| PE2430 | Principles of Macroeconomics   |
| PE2650 | Introduction to U.S. Politics  |
| PE3410 | Contemporary Political Economy |

### Core Courses (20 credits or 5 courses required)

|        |  |
|--------|--|
| IR2210 | Unions and Management: An Introduction         |
| IR3140 | Unions and Public Policy                       |
| IR3300 | Collective Bargaining and Grievance Procedures |
| IR3415 | Labor Economics                                |
| IR4320 | Labor and Employment Law                       |

### Electives (16 credits or 4 courses required)

|        |   |
|--------|---|
| BU4110 | Organizational Behavior and Management                      |
| BU5125 | Management and Society                                      |
| BU5171 | Human Resource Management                                   |
| IR3120 | History of American Labor Relations                         |
| IR3260 | Comparative Labor Relations                                 |
| IR3330 | Women, Minorities and the Workplace                         |
| IR3500 | Arbitration and Mediation                                   |
| IR3860 | Development of the Modern Corporation                       |
| IR4200 | Strategic Research for labor Relations                      |
| IR4600 | Topics in Labor Studies                                     |
| IR5900 | Senior Project/Internship in Industrial and Labor Relations |
| PE4430 | Health Economics  |
| PH4770 | Occupational Health   |

## Bachelor of Science (B.S.) Degree in Industrial and Labor Relations (56 credits or 14 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

### Foundation Courses (16 credits or 4 courses required)

#### C = Compulsory

|        |                                |
|--------|--------------------------------|
| PE2420 | Principles of Microeconomics   |
| PE2430 | Principles of Macroeconomics   |
| PE2650 | Introduction to U.S. Politics  |
| PE3410 | Contemporary Political Economy |
| PE3200 | Statistics (C)                 |

### Core Courses (28 credits or 7 courses required)

#### C = Compulsory

|        |  |
|--------|--|
| IR2210 | Unions and Management: An Introduction (C)         |
| IR3120 | History of American Labor Relations                |
| IR3140 | Unions and Public Policy (C)                       |
| IR3260 | Comparative labor Relations                        |
| IR3300 | Collective Bargaining and Grievance Procedures (C) |
| IR3330 | Women, Minorities and the Workplace                |
| IR3415 | Labor Economics                                    |
| IR3500 | Arbitration and Mediation                          |

IR4200 Strategic Research for Labor Relations  
IR4320 Labor and Employment Law (C)

BU5171 Human Resource Management  
IR3860 Development of the Modern Corporation  
IR4600 Topics in Labor Studies  
IR5900 Senior Project/Internship in Industrial and Labor Relations  
PE4430 Health Economics  
PH4770 Occupational Health

**Electives (12 credits or 3 courses required)**

**May include Core Courses.**

BU4110 Organizational Behavior and Management  
BU5125 Management and Society

### Competency Requirement in the Major

In order to graduate with a B.A. or B.S. degree in Industrial and Labor Relations, a student may receive no grade lower than a C- in courses applied toward the major.

### The Minor in Industrial and Labor Relations

Requirements for the minor are listed on page 135.

# MATHEMATICS, COMPUTER & INFORMATION SCIENCE DEPARTMENT

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**Professor:** Naresh N. Gupta, Lan Zhao

**Associate Professors:** Maureen Dolan, Lili Hai, Myong-hi Nina Kim, Frank Sanacory, Geta Techanie, *Chair*

**Assistant Professors:** Yogesh More, David Ralston, Ashok Basawapatna, Jennie D'Ambroise, Nicholas Werner

**Lecturer & Computer Lab Manager:** Tong Yi

**Visiting Instructor:** Glenn Dodd

**Director, Mathematics Learning Center:** Meryl Altabet

**Coordinator, Mathematics Redesign:** Betty Berbari

The Department of Mathematics and Computer & Information Science (Math/CIS) came into being in 2003 when the respective departments of Mathematics and Computer & Information Science merged administratively. The purpose of the merger was twofold: to realize the inherent synergies between the two disciplines and to more effectively serve our students.

Mathematics is the universal logic of science and engineering. It is fundamental to exploring the nature of space and time, and is used to describe, analyze and solve problems in the world around us. For some, a passion for mathematics may lead to a life-time of research or teaching. For others, an interest in applied mathematics may lead to a career in business, government or industry across a broad area of operations research or computational mathematics. Some specific areas of math-related employment include mathematical finance, risk management, actuarial science, quality assurance, data analytic, health care administration, energy and transportation systems, and modeling for climate change and sustainability.

The analysis and design of efficient algorithms—that is, sets of rules used for computation—is fundamental to problem solving in both mathematics and computer science. As a computer scientist, one needs to develop and deliver working systems comprised of hardware and software that represent the solution to clients' real-life problems; therefore, programming is the central activity in systems development. Creating software entails abstraction, encapsulation and modularization, which aid in conceptualization and design of complex systems.

Presently, the Math/CIS department offers three degrees:

- (1) Bachelor of Science in Mathematics
- (2) Bachelor of Science in Computer & Information Science
- (3) Bachelor of Science in Management Information Systems

All three degree programs provide students with a firm foundation in the fundamentals and endeavor to prepare them as life-long self-learners. Mathematics majors may choose to specialize in either **pure mathematics** or **applied mathematics** by appropriate selection of electives in consultation with their advisors. The department also offers minors in Mathematics, Applied Mathematics, and CIS.

## Academic Requirements

Students begin the Mathematics, CIS, or MIS major at a level appropriate to their preparedness. Some students will need to fulfill prerequisite courses before taking the core requirements for Mathematics, CIS, or MIS. Faculty will aid students in devising a plan of study that will reflect each student's talent and career ambitions.

To graduate with a Mathematics, CIS, or MIS degree, students must earn a grade of C or better in all Math, CIS, and MIS courses applied to the degree.

Students should bring intellectual curiosity, determination, and motivation to the Mathematics, CIS, and MIS majors; faculty will help to open the doors to academic and professional success.

## Transfer Students

The department has articulation agreements with several community colleges. Transfer students who have followed a mathematics or computer science curriculum at a two-year college are expected to be able to complete their respective degrees in two years. Upon approval from the chairperson, transfer students may use equivalent courses taken elsewhere in fulfillment of major requirements. They are advised to consult with the chairperson regarding transfer of credits from other institutions. Transfer students must complete a minimum of **28 credits** in major required courses at or above the 3000 level at Old Westbury.

## Evening Students

Although the majority of the CIS and MIS courses are offered in the evening on a regular basis, students who plan to earn a degree in CIS or MIS by attending only evening classes should note that completion of the degree may take longer than normal due to scheduling constraints. Mathematics majors can fulfill some of the requirements for graduation by attending evening classes. However, the majority of the mathematics courses are offered only during the day.

## COMPUTER & INFORMATION SCIENCE (CIS)

The Computer and Information Science degree at SUNY Old Westbury is a course of study that is both academically rigorous and practically sound. The distinction is important in light of the large gap that exists between most colleges' curriculum in this field and the needs of the computer industry. Driven by exploding demand for computer and information science graduates in various fields, our curriculum is updated based on the state-of-the-art technology required in current computer science and computing industry.

The CIS degree is unique in its strong emphasis on the areas of data management, Web technologies, computer networks and applied software development. Therefore, all of our majors are required to take the following courses: Software Engineering, Database Management, Internet and Web Technology, Systems Design and Implementation, and Technical Communications. CIS majors may choose to emphasize system software or information systems or computer and network security. The languages of instruction are Java and C++ . Students may learn other languages or software platforms based on the high level courses need.

The total enrollment in each course is limited to maximize the interaction between faculty and students. The material is presented in a closely coordinated series of lectures. Concepts taught in the classroom are reinforced and tested through programming assignments. Students design, implement, and test components of their computer projects in the department's computing laboratory. To encourage hand-on experiences, the department assigns credits to senior students who obtain internship opportunities.

The CIS department was established in 1979. Its graduates hold positions as application programmers and system analysts, and are employed in the installation and operations of computer networks in various enterprises, including manufacturing, government, and business. Some CIS graduates are also pursuing graduate studies in computer science and/or management information systems.

The internet and web technologies have completely changed the way we conduct our daily lives and have created numerous opportunities for businesses to manage operations more efficiently and serve their customers more effectively. This has created tremendous opportunities for innovations in hardware/software and for tap-

ping the enormous unrealized potential of information technologies for the benefit of society. Our graduates are prepared to participate in these innovative opportunities.

## Requirements for the Bachelor of Science (B.S.) Degree in Computer & Information Science

The Computer & Information Science (CIS) degree program focuses on the subjects of computers, their organization, and the programs that run them. Emphasis is placed on software rather than hardware. CIS majors may choose to specialize in either **system software** or **information systems** or **computer and network security** by appropriate selection of CIS electives. See sample programs at end of section.

### A. CIS Major Requirements: 68 credits (17 courses)

#### 1. Required Courses: 40 credits (10 courses)

|           |                                      |   |
|-----------|--------------------------------------|---|
| CS2510    | Computer Programming I               | 4 |
| CS2511    | Computer Programming II              | 4 |
| CS3620    | Computer Architecture I              | 4 |
| CS3810    | Data Structures and Algorithms       | 4 |
| CS3910    | Java and Object-Oriented Programming | 4 |
| <b>or</b> |                                      |   |
| CS3911    | C++ and Object-Oriented Programming  | 4 |
| CS4100    | Technical Communications             | 4 |
| CS4501    | Software Engineering                 | 4 |
| CS4550    | Database Management Systems          | 4 |
| CS4720    | Internet and Web Technologies        | 4 |
| CS5910    | System Design & Implementation       | 4 |

#### 2. Required Elective courses: 12 credits (3 courses)

Take any three of the following courses:

|                                  |  |   |
|----------------------------------|--|---|
| CS4400                           | Artificial Intelligence                    | 4 |
| CS4705                           | Computer Security                          | 4 |
| CS4710                           | Applied Cryptography                       | 4 |
| CS5610                           | Operating Systems                          | 4 |
| CS5710                           | Computer Networks                          | 4 |
| CS5720                           | Advanced Java Programming and Applications | 4 |
| CS5730                           | Computer Network Security                  | 4 |
| CS5810                           | Data Mining                                | 4 |
| Any 4000 or 5000 level CS course |  | 4 |

#### 3. Required Mathematics Courses: 16 credits (4 courses)

|           |  |   |
|-----------|--|---|
| MA2310    | Calculus and Analytic Geometry I         | 4 |
| MA3030    | Discrete Mathematics                     | 4 |
| MA3210    | Introduction to Probability & Statistics | 4 |
| MA3160    | Linear Algebra                           | 4 |
| <b>or</b> |  |   |
| MA4100    | Number Theory                            | 4 |

#### B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

#### C. General Electives

In consultation with academic advisor, for a total of 120 credits.

#### D. Other Requirements

- A grade of C or higher is needed in all required computer science and mathematics courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

#### E. College Wide Requirements

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of **2.0**

## MANAGEMENT INFORMATION SYSTEMS (MIS)

Management information systems (MIS) is a general term used to describe the computer-based information systems that provide operational information to an enterprise. The SABRE System is an example of a computer-based information system. Originally used only by American Airlines for passenger reservations, it is today a system connecting more than 40,000 travel agents and millions of consumers with more than 400 airlines, 50 car-rental companies, thousands of hotels, railways, tour companies, ferries and cruise lines. The MIS term is often used to describe the roles who work as varies management and data analysis work in these computer-based information systems.

The MIS degree program prepares students as technical managers who can rise to serve in various capacities in an enterprise, starting as System Analysts in MIS departments. The goal of the MIS program is to give students both a firm grounding in information processing as well as in business fundamentals. Therefore, MIS majors take a broad range of required courses both in CIS and business. The MIS curriculum includes courses in database management, software engineering, Internet and Web Technology, system design & implementation, and technical communications. These courses provide MIS majors with an extensive background in technical and organizational areas which serves as a solid foundation for understanding how new technological advances enhance the use of information resources for operations and strategic decision-making.

## Requirements for the Bachelor of Science (B.S.) Degree in Management Information Systems

### A. Major Course Requirements: 66 credits (17 courses)

#### 1. Computer Science Courses: 36 credits (9 courses)

|        |  |   |
|--------|--|---|
| CS2510 | Computer Programming I                                     | 4 |
| CS2511 | Computer Programming II                                    | 4 |
| CS3611 | Advanced Visual Basic and Database Application Programming | 4 |
| CS4100 | Technical Communications                                   | 4 |
| CS4501 | Software Engineering                                       | 4 |
| CS4550 | Database Management Systems                                | 4 |
| CS5551 | MIS Topics   | 4 |
| CS4720 | Internet and Web Technologies                              | 4 |
| CS5710 | Computer Networks  | 4 |
| CS5910 | System Design & Implementation                             | 4 |

#### 2. Business & Economics Courses: 22 credits (6 courses)

|        |                                      |   |
|--------|--------------------------------------|---|
| PE2420 | Principles of Microeconomics         | 4 |
| PE2430 | Principles of Macroeconomics         | 4 |
| BU3502 | Principles of Accounting I           | 3 |
| BU3511 | Principles of Accounting II          | 3 |
| BU3800 | Marketing: Principles and Concepts   | 4 |
| BU4110 | Organizational Behavior & Management | 4 |

#### 3. Mathematics Courses: 8 Credits (2 courses)

|                           |                                   |   |
|---------------------------|-----------------------------------|---|
| 3a. One of the following: |                                   |   |
| MA2300                    | Calculus for Business & Economics | 4 |
| MA2310                    | Calculus & Analytic Geometry I    | 4 |

|                           |                                      |   |
|---------------------------|--------------------------------------|---|
| MA3030                    | Discrete Mathematics                 | 4 |
| 3b. One of the following: |                                      |   |
| MA2000                    | Applied Statistics                   | 4 |
| MA3210                    | Intro. to Probability and Statistics | 4 |

### B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

### C. General Elective Courses

In consultation with academic advisor, for a total of 120 credits.

### D. Other Requirements

- A grade of C or higher is needed in all required computer science, business, economics, and mathematics courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

### E. College Wide Requirement

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of 2.0

## MATHEMATICS

Mathematics encompasses logic and reasoning skills that provide the tools for making decisions, interpreting observations, explaining natural phenomena, and solving problems. The Department aims to instill in students an appreciation of mathematics, and to equip students with the skills needed to achieve academic and career goals within a complex technological society. In addition to serving mathematics majors, the Department offers for business, science and liberal arts majors a number of courses that concentrate on problem solving.

### Career Opportunities

The study of undergraduate Mathematics provides essential preparation for a variety of professional careers. Throughout government and industry, mathematical modeling and quantitative methods lie at the heart of research, analysis and problem solving. Old Westbury's Mathematics graduates have pursued graduate studies and successful careers in fields such as actuarial science, management science, finance, industrial engineering, operations research, and statistics.

### Mathematics Learning Center

The Mathematics Learning Center (MLC) provides academic support for students taking mathematics courses

and encourages students to develop a deeper appreciation and interest in mathematics. Staffed by professional educators and peer tutors, the MLC welcomes all students. The telephone number is 516-628-5622 Specific hours are announced each semester.

## Requirements for a Bachelor of Science (B.S.) Degree in Mathematics

### A. Mathematics Major Requirements: 56 Credits (14 courses)

#### 1. Required Core Courses: 44 credits (11 courses)

|        |                                    |   |
|--------|------------------------------------|---|
| MA2310 | Calculus and Analytic Geometry I   | 4 |
| MA2320 | Calculus and Analytic Geometry II  | 4 |
| MA3030 | Discrete Mathematics               | 4 |
| MA3160 | Linear Algebra                     | 4 |
| MA3210 | Intro. To Probability & Statistics | 4 |
| MA3330 | Calculus and Analytic Geometry III | 4 |
| MA3520 | Transition to Advanced Mathematics | 4 |
| MA4360 | Differential Equations             | 4 |
| MA5120 | Abstract Algebra I                 | 4 |
| MA5320 | Advanced Calculus I                | 4 |
| CS2510 | Computer Programming I             | 4 |

#### 2. Required Elective Courses: 12 Credits (3 Courses)

|        |                         |   |
|--------|-------------------------|---|
| MA4100 | Number Theory           | 4 |
| MA4200 | Probability             | 4 |
| MA4510 | Geometry                | 4 |
| MA4910 | Operations Research I   | 4 |
| MA4920 | Operations Research II  | 4 |
| MA5230 | Mathematical Statistics | 4 |

|   |                              |   |
|---|------------------------------|---|
| MA5380                                    | Complex Analysis             | 4 |
| MA5510                                    | Topology                     | 4 |
| CS2511                                    | Computer Programming II      | 4 |
| CS3810                                    | Data Structures & Algorithms | 4 |
| Any 4000 or 5000 level Mathematics Course |                              | 4 |

### B. Liberal Education Curriculum Courses

Refer to the Liberal Education Curriculum Bulletin for requirements.

### C. General Electives

In consultation with academic advisor, for a total of 120 credits.

### D. Other Requirements

- A grade of **C** or higher is needed in all required mathematics and computer science courses.
- Transfer students must complete a minimum of 28 credits (7 courses) of the required major courses at or above the 3000 level at Old Westbury.

### E. College Wide Requirement

- 120 credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- 45 Upper Division credits (3000, 4000, or 5000 level courses)
- 60 Liberal Arts credits
- Cumulative Grade Point Average of 2.0

## Sample Course Sequence By Major

## Mathematics Minor

| Term | Mathematics Major          | Computer and Information Science Major | Management Information Systems Major |
|------|----------------------------|--|--------------------------------------|
| 1    | MA2090                     | MA2090                                 | PE2420<br>MA2080                     |
| 2    | MA2310<br>MA3030<br>CS2510 | CS2510<br>MA3030                       | PE2430<br>CS2510                     |
| 3    | MA2320<br>MA3160<br>MA3210 | CS2511<br>CS3620<br>MA2310             | BU3502<br>MA3030 OR MA2300<br>CS2511 |
| 4    | MA3330<br>MA3520           | CS3810<br>CS3911<br>MA3210             | BU3511<br>CS3611<br>MA2000 OR MA3210 |
| 5    | MA5120<br>MA4360           | CS4501<br>CS4550<br>MA3160 OR MA4100   | BU3800<br>CS4501<br>CS4550           |
| 6    | MA5320                     | CS4100<br>Elective                     | CS4100<br>CS4720                     |
| 7    | Elective                   | CS4720<br>Elective                     | BU4100<br>CS5551                     |
| 8    | Elective                   | CS5910<br>Elective                     | CS5910                               |

Refer to page 137 for information on the minor in Mathematics.

# MEDIA AND COMMUNICATIONS

## (AMERICAN STUDIES DEPARTMENT)

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**Distinguished Service Professor:** Laura Anker

**Professors:** Aubrey Bonnett, *Emeritus*; Amanda Frisken, Karl Grossman

**Associate Professors:** Jermaine Archer, John Friedman, Carol Quirke, Sujani Reddy, Denton Watson

**Assistant Professors:** Llana Barber, Laura Chipley, Jasmine Mitchell, Samara Smith

**Instructors:** Andrew Mattson, *Chair*

**Lecturer:** Joseph Manfredi

The major in Media and Communications provides students with a broad-based education emphasizing theoretical, historical and experiential learning in an interdisciplinary context.

The Media and Communications major is located within the American Studies Department and its curriculum is designed to give students a grounding in the economic, political, social, and intellectual history of the U.S. A wide variety of courses is offered both on theoretical and practical levels, in communications and all varieties of media including radio and TV, newspapers, and inter-active media. Students will develop strong writing, reporting and other communications skills. The goal is to assist students in developing a critical view of the role and dynamics of media in contemporary society.

Students gain practical experience through internships in a variety of fields. They intern in media organizations ranging from television and radio stations to newspapers and magazines - throughout Long Island and the New York Metropolitan Area. This major is appropriate for students interested in careers in media. It also serves as a foundation for students who want to do graduate work in media studies, journalism and communications.

### Evening Students

A limited selection of Media and Communications courses are available in the evening. Completion of a major in Media and Communications requires daytime course attendance.

### Transfer Students

A Media and Communications major can be completed in a two year period with appropriate planning. With an advisor's approval, a maximum of five courses will be accepted in transfer toward the 14 courses required for the major. Transfer students should note that AS2112-AS2122, The American People I-II, AS2802 Introduction to Media and Communications, and AS3800 Writing for Media are prerequisites for enrollment in 5000-level American Studies courses, as well as for a number of other courses in the major. It is essential that American People I-II, Introduction to Journalism and Media, and Writing for Media are taken in a transfer student's first year at Old Westbury if the expectation of completing the program in two years is to be met. These courses must be taken prior to the senior year.

---

## Requirements for a Bachelor of Arts (B.A.) Degree in Media and Communications

(120 credits, 90 credits in liberal arts)

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements

There are fourteen courses totaling 56 credits which include:

#### 1. Knowledge of American Society (8 credits)

AS2112-AS2122 The American People I and II. Students may substitute one of the following courses for AS2112 or AS2122; AS2252 U.S. Social Movements, AS2262 African American History I; AS2263 African American History II; AS2300 Problems in U.S. Environmental History; AS2640

Intro to U.S. Latina/o History; AS3222 Urban History; AS3270 Africa In the Americas; AS3462 History of Women in the U.S.

**Note:** These courses should be taken as early as possible and, in no case, later than the junior year.

#### 2. Media Studies Courses (12 credits)

**Three of the following:**

AS2020 New Media CE  
AS2652 Media Studies  
AS2700 The Engaged Eye  
AS3310 From Citizen to Consumer  
AS3632 History of U.S. Film  
AS3712 American Film Genres

- AS3722 History of Mass Media
- AS3732 Politics of Media
- AS3735 Documentary Media Studies
- AS3742 Myths and Images in Film
- AS3745 Feminine and Masculine in Film
- AS3810 Music and Media
- AS3830 Public Relations and Society
- AS3842 African-Americans and the Mass Media
- AS3852 Women and the Media
- AS4160 Special Topics in Media Studies
- AS4280 Global Media
- AS4722 Film: Ideas and Aesthetics
- AS4725 The Photograph and American Culture
- AS4732 Political Film
- AS4850 Digital Revolution
- SY4651 Sociology of Communications and Media

**3. Writing, Analysis and Research (12 credits)**

- AS2802 Introduction to Journalism and Media
- AS3800 Writing for Media
- AS4802 Investigative Reporting

**4. Media Production Courses (12 credits)**

**Three of the following:**

- AS2020 New Media CE
- AS3247 Intro. to Video and TV
- AS3820 Radio Production and Editing
- AS3822 TV and Radio Journalism
- AS4150 Radio on the Air
- AS4260 New Media Newsroom
- AS4442 Feature Writing
- AS4812 Editing for Publication
- AS4822 Advanced Reporting and News Writing
- AS4825 Making A Newspaper
- AS4852 Advanced Video: Documentary
- AS4870 Advanced TV: Studio Production
- AS4882 Radio Reporting
- AS4935 TV in Action
- AS4940 Journalism in Action
- AS4945 Radio in Action
- AS4955 New Media in Action
- AS4965 Video In Action
- VA2320 Graphic Design I
- VA2400 Intro. to Photography
- VA3380 Digital Video
- VA3400 Digital Imaging
- VA4260 Interactive Web Design
- VA4265 3-D Digital Design
- VA4320 Graphic Design II
- VA4360 Advanced Electronic Media Production
- VA4460 Digital Animation

**5. Internship (4 credits)**

Students may take up to twelve credits in internships, but only four credits count toward the major. Students may take an internship off campus, but may also take an internship on campus at OWR (Old Westbury Radio Station), The Catalyst (college newspaper) OWT (Old Westbury TV), or the Collaborative Media Center.

- AS4832 Internship in Journalism and Media

**6. Capping Courses (8 credits)**

**Two of the following (Senior Level):**

- AS5000 Topics in US History in Global Perspective
- AS5112 American Voices
- AS5200 Environmental Journalism
- AS5212 Narrative and History
- AS5312 History of US Culture
- AS5350 History of the Slave Narrative
- AS5412 Protest and Change
- AS5420 Propaganda & Mass Persuasion
- AS5712 Mass Media and Popular Culture
- AS5725 Senior Media Portfolio
- AS5800 Research in American History and Culture
- AS5862 The Journalist as Creative Writer

**7. Portfolio Recommended**

All Media and Communications majors should assemble a portfolio for recognition of college work and for employment. The portfolio should contain samples of work done in courses and the Internship in Journalism. The portfolio should contain examples of written work, both published and submitted as class assignments, and selected graphics, radio programs and videos.

**Program Policies:**

1. All Media and Communications majors should see an adviser at least once a semester.
2. Only one grade of D+, D or D- will be accepted toward the major. Students must request this inclusion from the chair of American Studies.
3. A minimum GPA of 2.0 must be achieved in the major.
4. Only two 1000 or 2000 level courses will be counted towards the major beyond AS2802 and all "Knowledge of American Society" courses AS2112, 2122, 2252, 2262, 2263, 2300, 2640.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only four credits of independent study will be counted toward the major.
6. Only four credits of internship can be applied toward the major. Students can take up to twelve credits which will be counted toward graduation, but only four will be applied toward the major. Students must see an adviser to plan their internship.
7. Only five courses can be transferred from another college or university and accepted for credit toward the major.
8. In general, 4000 and 5000 level courses will NOT be taught during the summer sessions.
9. All students in their junior year should make an appointment with the Chair to make sure that they are on track for graduation.

# MODERN LANGUAGES DEPARTMENT

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**Professor:** Ruben Gonzalez, *Chair*

**Associate Professors:** Sonia Assa, Fernando Guerrero,  
Zenaida Madurka, Kathleen O'Connor-Bater

**Assistant Professors:** Carolina Bustamante, Angel Lara

The Modern Languages Department offers a course of study leading to a Bachelor of Arts degree (B.A.) in Spanish Language, Hispanic Literature and Culture. In addition, Modern Languages has established close ties with the School of Education to prepare students for careers as foreign language (Spanish) teachers. Students may earn initial certification in the teaching of Spanish (Grades 7-12). It is also possible to obtain a non-teaching certificate and a minor in Spanish. Both of these options offer effective marketable skills that are in high demand in teaching and business careers, particularly in today's multilingual and global economies. The Modern Languages Department is designed to serve the following groups:

- Students who are interested in acquiring communication skills in Spanish, French, Italian, Chinese, Arabic and American Sign Language
- Students who wish to major in Spanish Language, Hispanic Literature and Culture
- Modern Languages majors seeking to obtain initial certification to teach Spanish at the middle and senior high school levels
- Transfer students with an associate degree who wish to achieve a higher level of proficiency in Spanish and gain communication skills in the other languages offered by the Department.

## Departmental Objectives

Interrelated objectives of the department are to:

- Assist students in mastering communication skills in all the aforementioned foreign languages and, concurrently, in developing an understanding of the cultural roots of those languages.
- Help students interested in pursuing graduate studies develop a sound knowledge of the language, literature and culture of Spain, Latin America and the Spanish-speaking Caribbean.

## Careers and Graduate Education

The major equips students to pursue graduate programs in Spanish Language and Literature, and Latin American and Caribbean Studies, while the Spanish Certificate serves as evidence of language skills that are in high demand in teaching and business in today's multilingual society.

## The Spanish Club

The Spanish Club serves as a common ground for students in the major as well as other students interested in Hispanic and Latino cultures. The club is run by the students themselves with a faculty member as advisor.

## Sigma Delta Pi

Sigma Delta Pi is a national honor society in Spanish. It honors those who seek to attain excellence in the study of Spanish and the literature and culture of Spanish-speaking peoples. To be eligible for active membership, a student must be enrolled in junior-level courses in Hispanic literature or Hispanic Culture and Civilization. Students enrolled in these courses are eligible for membership if their instructors certify that their work is B quality or better. They must have completed at least three semesters of college work, be in good standing, be genuinely interested in Hispanic culture, have a minimum grade point average of 3.00 in Spanish, and rank in the upper 35 percent of their class or have a minimum cumulative grade point average of 3.00. For more information, access the SDP website at [www.sigmadeltapi.org](http://www.sigmadeltapi.org).

## The Hispanic/Latino Cultural Center

Founded in 2003 by the faculty of the College's Humanities & Languages Department, the Hispanic/Latino Cultural Center at SUNY Old Westbury celebrates the entire Spanish-speaking world including its Hispanic, Amerindian and African heritages. The Center serves the metropolitan New York area by presenting theatrical events, art exhibits, concerts, and educational forums geared towards improving the overall understanding, among people from all walks of life, of the contributions to world culture made by the men and women of Hispanic/Latino heritage.

## Internships and Study Abroad

To help students explore career possibilities, the department has made arrangements for its students to assume internships for academic credit. Recent examples of internship sponsors include the Hispanic/Latino Cultural Center, community service agencies, the Nassau County Department of Assessment, and the Women's Sport Foundation. Contact the Chairperson well before the semester begins to apply for a Modern Languages Department internship. Study Abroad programs in Spain, China, Cuba and Puerto Rico are available, along with scholarship assistance.

## Evening Students

While several upper level courses are offered during the evening, at this time it is not possible to earn the B.A. degree in Spanish Language, Hispanic Literature and Culture by attending classes exclusively in the evening.

## Transfer Students

Transfer students may be able to substitute courses taken elsewhere for the Department's required courses.

Up to three course substitutions may be possible for the degree in Spanish Language, Hispanic Literature and Culture. Consult the "Transfer of Credit Matrix" or "Articulation Agreement" for specific course equivalents for local community colleges.

Transfer students who wish to obtain a B.A. degree in Spanish language, Hispanic Literature and Culture must complete the 24-28 credits of upper-division coursework at SUNY Old Westbury.

Upon entry, students should present their transcripts to the department for evaluation.

## Requirements for Certificate in Spanish

All students who wish to receive a non-teaching certificate in Spanish must complete 20 Modern Languages credits with a grade point average of 2.30 (C+). The 20 credits must consist of five courses taught in Spanish. Candidates for the non-teaching certificate must obtain a Modern Languages faculty advisor. At the end of ML 3100 (or any ML 3000 level grammar course) students with a 2.3 (C+) GPA will be required to take the OPI exam and to pass it with a minimum of "Low Intermediate." By the end of ML 3100 (or any ML 3000 level grammar course) students with a GPA lower than 2.3 will not be allowed to continue in the program.

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## Requirements for a Bachelor of Arts Degree in Spanish Language, Hispanic Literature and Culture

Majors must complete 44 credits in Spanish Language, Hispanic Literature and Culture. Students may choose between two options. Option I is for students interested in language acquisition and Hispanic culture and civilization. Option II is for students interested in Hispanic literature, culture and civilization. Spanish Language, Hispanic Literature and Culture majors must maintain a minimum grade point average within the major of 2.70 (B-). Only courses with grades of C+ or better count towards the credits required for the major.

At the end of ML 3100 (or any ML 3000 level grammar course) students with a 2.3 (C+) GPA will be required to take the OPI exam and to pass it with a minimum of "Low Intermediate." By the end of ML 3100 (or any ML 3000 level grammar course) students with a GPA lower than 2.3 will not be allowed to continue in the Spanish Language, Literature and Culture major.

### Option I: Language and Culture

#### A. Liberal Education Curriculum:

Refer to the Liberal Education Curriculum Bulletin for specific requirements

#### B. Core Requirements: 20 Credits

ML2100 Intermediate Spanish Conversation I 4

ML2110 Intermediate Spanish Conversation II 4

**OR**

ML2500 Spanish Language and Culture 4

ML3100 Advanced Spanish Conversation and Composition 4

ML3362 Advanced Spanish Grammar and Composition 4

#### C. ONE of the following by advisement:

ML3200 Translation Workshop 4

ML3250 Spanish Linguistics 4

ML3260 Spanish Linguistics: Universals of Grammar

#### D. Major Requirements: 24 Credits

I. ML3600 Introduction to the Study of Hispanic Literature 4

ML3500 Critical Writing and Textual Analysis 4

**AND**

ML4540 Latin American Culture & Literature: From the European Conquest to Independence 4

**OR**

ML4545 Civilization & Culture of Latin America 4

**And one of the following by advisement:**

ML4100 The Spanish Golden Age 4

ML4500 Culture and Literature of Spain from the Middle Ages to the 18th century 4

ML4510 Civilization and Culture of Spain 4

**2. Two of the following courses by advisement:**

|             |  |   |
|-------------|--|---|
| ML3300      | Artistic Expressions of Spain                              | 4 |
| ML3310      | Topics in Hispanic Cultural Studies                        | 4 |
| ML3410      | Latino/a Writers in the US                                 | 4 |
| **ML3650    | Latin American Cinema                                      | 4 |
| **ML3880    | Masterpieces of Hispanic Literature                        | 4 |
| ML4325      | Contemporary Theatre of the Hispanic World                 | 4 |
| ML4350      | Recurrent Themes in Latin American Painting and Literature | 4 |
| ML4450      | Hispanic Women Writers                                     | 4 |
| ML4515      | Recent Narrative from Spain                                | 4 |
| ML4520      | Culture and Literature of the Spanish Caribbean            | 4 |
| **ML/EL4630 | Latin American Literature                                  | 4 |

**Option II: Literature and Culture**

**A. Liberal Education Curriculum:**

Refer to the Liberal Education Curriculum Bulletin for specific requirements

**B. Core Requirements: 24 Credits**

1. Both Courses:
 

|        |  |   |
|--------|--|---|
| ML3362 | Advanced Spanish Grammar and Composition         | 4 |
| ML3600 | Introduction to the Study of Hispanic Literature | 4 |
2. ONE of the following:
 

|        |  |   |
|--------|--|---|
| ML3200 | Translation Workshop                       | 4 |
| ML3250 | Fundamentals of Spanish Linguistics        | 4 |
| ML3260 | Spanish Linguistics: Universals of Grammar |   |
3. ONE of the following:
 

|        |                                       |   |
|--------|---------------------------------------|---|
| ML3500 | Critical Writing and Textual Analysis | 4 |
| ML3510 | Creative Writing                      | 4 |

One of the options under Major Requirements (listed below under "C")

**AND**

4. ONE of the following:
 

|        |   |   |
|--------|---|---|
| ML4540 | Latin American Culture & Literature: From the European Conquest to Early 20th Century | 4 |
|--------|---|---|

\*ML4545 Civilization and Culture of Latin America
5. ONE of the following:
 

|        |  |   |
|--------|--|---|
| ML4100 | The Spanish Golden Age   | 4 |
| ML4500 | Culture and Literature of Spain from the Middle Ages to the 18th Century | 4 |

\*ML4510 Civilization and Culture of Spain 4

**C. Major Requirements: 20 credits**

1. Three of the following by advisement:
 

|          |  |   |
|----------|--|---|
| ML3300   | Artistic Expressions of Spain              | 4 |
| ML3310   | Topics in Hispanic Cultural Studies        | 4 |
| **ML3410 | Latino/a Writers in the United States      | 4 |
| **ML3880 | Masterpieces of Hispanic Literature        | 4 |
| ML4325   | Contemporary Theater of the Hispanic World | 4 |
| ML4350   | Recurrent Themes in Latin American         |   |

|        |   |   |
|--------|---|---|
| ML4700 | Studies in Spanish Literature of the Nineteenth and Twentieth Centuries | 4 |
| ML4725 | The Novel and the City  | 4 |
| ML4750 | Fiction into Film: the Spanish and Latin American Cinema                | 4 |
| ML4800 | Modernisms and Modernity: The Latin American Experience                 | 4 |
| ML5400 | Contemporary Literary Theory and its Applications                       | 4 |
| ML5450 | Major Trends in Latin American Thought                                  | 4 |
| ML5650 | Contemporary Latin American Narrative                                   | 4 |

**E. General Electives**

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED 120**

|   |   |   |
|---|---|---|
|   | Painting and Literature   | 4 |
| ML4450                                      | Hispanic Women Writers  | 4 |
| ML4515                                      | Recent Narrative from Spain   | 4 |
| ML4520                                      | Culture and Literature of the Spanish Caribbean                         | 4 |
| **ML/EL4630                                 | Latin American Literature   | 4 |
| ML4700                                      | Studies in Spanish Literature of the Nineteenth and Twentieth Centuries | 4 |
| ML4725                                      | The Novel and the City  | 4 |
| ML4750                                      | Fiction Into Film: the Spanish and Latin American Cinema                | 4 |
| ML4800                                      | Modernism and Modernity: The Latin American Experience.                 | 4 |
| 2. One of the following 5000-level courses: |   |   |
| ML5400                                      | Contemporary Literary Theory and Its Applications                       | 4 |
| ML5450                                      | Major Trends in Latin American Thought                                  | 4 |
| ML5650                                      | Contemporary Latin American Narrative                                   | 4 |
| 3. ML5900                                   | Senior Seminar***   | 4 |

**Note:**

\*Majors can only take ONE course in this category.  
 \*\*These courses are taught in English. Majors can only take ONE course in this category.  
 \*\*\*Majors may take an additional 4000 or 5000-level course instead of completing a senior seminar (upon advertisement). Majors must apply to receive the approval of a Modern Languages faculty advisor one semester in advance of registering for the Senior Seminar

**D. General Electives**

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED 120**

# POLITICS, ECONOMICS AND LAW DEPARTMENT

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**Distinguished Service Professor:** Sachi G. Dastidar

**Associate Professors:** Carolyn Cocca, Thomas DelGiudice,  
Laurence Krause, Kevin Ozgercin, *Chair*

**Assistant Professors:** Niev J. Duffy, Thomas Lilly, *Coordinator, Industrial  
and Labor Relations*; Edislav Manetovic, Rose Muzio

**Visiting Assistant Professors:** Maureen Keefe

Politics, Economics and Law (PEL), formerly Politics, Economics, and Society, is an interdisciplinary department in the social sciences with a national and international focus. Students majoring in PEL earn a Bachelor of Arts (B.A.) degree. Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are also offered by the PEL department. (See page 79). PEL has upper division concentrations in politics and law, economics, political economy, public policy and global studies.

The PEL department provides a rigorous and integrated preparation in the social sciences for students who intend to enter graduate or law school; for students who plan to seek employment in government, business, social services, and human rights and political organizations.

The PEL curriculum has various objectives: to introduce students to the disciplines of political science, political economy and economics and to examine how these different areas intersect to shape U.S. and international law, institutions, and policies. Such a course of study provides the student with a strong background in the historical development of corporations, social welfare policies, labor organizations, and civil liberties and civil rights movements.

PEL also provides students with an opportunity to develop an international perspective in the study of politics and economics - a vantage point vital in the new global marketplace. The department takes a comparative approach to the study of different societies and to the relations among them, with particular emphasis on the developing nations and globalization. The global component focuses on issues such as international trade, foreign debt, economic inequality, transnational political and social movements, environmental concerns and international institutions.

## Internships

PEL students are encouraged to gain practical experience by undertaking an internship as part of their course of study. Among the internships students have successfully completed are:

- Washington Semester Internship
- New York State Senate and Assembly
- Office of the County District Attorney
- New York City Summer Internship
- County Legislature
- Political Campaigns – U.S. Senate to County Legislature
- New York Public Interest Research Group
- Private Law and Financial Firms
- Nonprofit Organizations

## Pre Law Center

The Pre Law Center offers information and resources on law schools, the law school admission process, and law-related careers. Specifically, The Pre Law Center has:

- 1) timetables describing what one needs to do, when, and how, to apply to law schools
- 2) materials on preparing for the LSAT and free practice LSATs, usually once per semester
- 3) admission, financial aid, and other information on every law school in the U.S.
- 4) tips for, and editing of, your personal statement and information on financial aid for law schools
- 5) an advisor to keep you on track in the application process
- 6) informational and networking events with those in the legal profession, and with other prelaw students
- 7) internships, some in conjunction with CSTEP
- 8) guidance on career opportunities in law

## Careers

PEL graduates have pursued graduate studies in the social sciences and applied social sciences such as public administration, social work, urban studies, public policy and international relations. They have gone on to have careers in law, diplomacy, education, business, finance and public service in community agencies as well as county and state government.

## Transfer Students

A maximum of five courses may be transferred from an accredited institution toward the PEL major, and a maximum may count as upper division courses. A transferred two-course sequence offering two credits per course is equivalent to one course in the major.

## Evening Students

The PEL department offers required and elective courses on a rotating basis from 4:40 p.m. to 10:00 p.m. to accommodate evening students. However, evening majors should note that completion of their degrees may take longer than normal.

## Bachelor of Arts (B.A.) Degree in Politics, Economics & Law

The core of the curriculum in this major consists of a sequence of required courses designed to provide students with the analytical, conceptual, theoretical and methodological tools for studying contemporary national and international problems.

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### Requirements for a B.A. Degree in Politics, Economics & Law

A student wishing to graduate with a major in PEL must complete 120 credits overall including a minimum of 90 liberal arts credits, fulfillment of the Liberal Education Curriculum requirement (Refer to the Liberal Education Curriculum Bulletin for specific requirements.) and 52 credits, or 13 courses, as listed below.

#### 1-3. Three of the following four courses:

|        |                               |   |
|--------|-------------------------------|---|
| PE2300 | Introduction to Law           | 4 |
| PE2420 | Principles of Microeconomics  | 4 |
| PE2430 | Principles of Macroeconomics  | 4 |
| PE2650 | Introduction to U.S. Politics | 4 |

#### 4. An additional course from the four courses listed above

#### OR one of the following:

|        |  |   |
|--------|--|---|
| IR2210 | Unions and Management: An Introduction | 4 |
| PE2220 | Introduction to Urban Issues           | 4 |
| PE2400 | Introduction to Political Economy      | 4 |

#### 5. One of the following:

|        |   |   |
|--------|---|---|
| HI3600 | Global Geography: People, Places and Environments | 4 |
| PE3100 | International Relations                           | 4 |

#### 6. PE3400 Political Economy of the Global South 4

#### 7. PE3410 U.S. Political Economy 4

#### 8. One of the following:

|        |                              |   |
|--------|------------------------------|---|
| PE4320 | Jurisprudence: Legal Thought |   |
| PE4470 | History of Economic Thought  | 4 |
| PE4620 | Political and Social Thought | 4 |

#### 9. One of the following:

|        |                                    |   |
|--------|------------------------------------|---|
| PE4580 | Origins of the Capitalist Economy  | 4 |
| PE4590 | Global Economy in the 20th Century | 4 |

#### 10-13. Four additional upper-division PEL courses (3000-level and above), at least two of which must be at the 4000-level

## Competency requirement in the major

In order to graduate with a B.A. degree in Politics, Economics and Law, a student may receive no grade lower than a C- in courses applied toward the major.

## Upper Division Electives

Students are expected to work closely with their faculty advisor in choosing their upper division electives in the major. The objective is to select courses that are related to each student's area of interest. Courses not chosen to fill requirements 5, 8 and 9 may be applied toward the four additional upper division PEL courses (10-13).

## **Minors**

The PEL department co-sponsors three minors with other departments in the School of Arts and Sciences. Also, it offers a minor in Industrial and Labor Relations. The specific minors offered by the PEL department are:

- Global Studies
- Industrial and Labor Relations
- Pre-Law
- Public Policy

*For specific requirements, please refer to pages 129-145*

### **Global Studies Minor**

The Global Studies minor offers a transnational perspective that has become critical for college students regardless of their major and career goals. It contains two options. The first option brings together international and regional courses offered in English, History, and Philosophy and Politics, Economics and Law. History and Philosophy contributes courses in history, literature and culture (a cross-cultural course from Sociology is also included), and Politics, Economics and Law in politics, international relations, economics, political economy and economic history. The second option incorporates foreign language courses from Modern Languages. School of Education candidates for New York State secondary school certification will find this minor helpful.

### **Industrial and Labor Relations Minor**

The Industrial and Labor Relations minor aims to assist students in advancing careers in this area, whether in the private or public sector. Its required courses include Unions and Management, Unions and Public Policy, and Collective Bargaining. There is a wide range of elective courses on topics such as arbitration and mediation; the history of American labor relations; women, minorities and work; and labor and employment law.

### **Model United Nations**

As a component part of PEL's objective to prepare students to become thoughtful and engaged global citizens, the department offers the Model United Nations course. This non-traditional course prepares students for a week-long Model United Nations conference where students simulate the role of diplomats from an assigned country. During the course and at the conference, students learn about current issues on the global agenda of the United Nations; become specialists on domestic and foreign policies of their assigned country; practice the science and art of diplomacy by engaging in negotiations with students from around the world; obtain an unparalleled experience in conducting primary research; and practice public speaking in front of a global audience.

### **Pre-Law Minor**

The Pre-Law minor is open to all academic majors who are interested in applying to law school. Since only one course in a student's major can be used to satisfy the requirements of a minor, American Studies, History and Philosophy, Politics, Economics and Law and Sociology majors opting for the pre-law minor must choose courses offered by departments other than their own. Majors in all other academic departments have a free choice of courses within various categories.

### **Public Policy Minor**

The Public Policy minor is useful to students in all academic majors as well as to those who wish to pursue graduate studies in fields such as public affairs, public administration, urban and suburban planning, and policy analysis. The minor is particularly valuable to students in the School of Education who are interested in pursuing New York State secondary school certification in social studies:

# PSYCHOLOGY DEPARTMENT

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**Distinguished Service Professor:** Minna Barrett

**Professors:** John Ehrenreich, Fred Millán, B. Runi Mukherji

**Associate Professors:** F. Michler Bishop, Kathleen P. Greenberg, William Knack, Chair;  
Laurette Morris, Lisa Whitten

**Assistant Professors:** Seojung Jung, Ashlee Lien, Lorenz Neuwirth, Lillian Park

The Psychology Department provides students with a background in the major areas of expertise within the modern discipline of psychology. A major in psychology leads to the Bachelor of Arts (B.A.) degree. Completion of requirements for a Bachelor's degree in Psychology ensures that students have been given an extensive background in research methods and have been introduced to the basic areas of specialization within psychology. To this end, the curriculum is designed around a set of required courses called **The Core** which includes Introduction to Psychology, a sequence of three Research Methods courses; Field Research, and a Senior Seminar in a specialized area of interest. In addition to these core courses, students choose five electives: One Group A Platform course in the areas of physiological or cognitive psychology; one Group B Platform course in the areas of clinical, developmental, or social psychology; one Group C Platform course in the areas of diversity and social justice, and two additional electives, at least one of which is at the 4000 level. In selecting courses beyond the required core, students enrich the scope of their knowledge, and are able to prepare for employment or advancement in a way that matches their particular interests, abilities, and occupational goals. While some students begin employment with a Bachelor's degree, in order to advance professionally, many students go on to pursue graduate degrees in psychology or social work. The program provides majors with a strong background for entering graduate studies in many related fields of human service.

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## Requirements for a Bachelor of Arts (B.A.) Degree in Psychology

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

Seminar (Note: All 5000 level courses meet this requirement);

### C. Five Electives

1. Group A Platform Elective
2. Group B Platform Elective
3. Group C Platform Elective
4. 3000/4000 Level Elective
5. 4000 Level Elective

### B. Core Requirements

#### 44 credits

1. PY2010 Introduction to Psychology
2. PY3110 Research Methods I: (Orientation)
3. PY3120 Research Methods II: (Statistics)
4. PY4100 Research Methods III (Advanced Research Skills)
5. PY4130 Field Experience and Research
6. One 5000 level Senior

### D. Minimum Psychology GPA

A grade of C or better in each of the following courses: Introductory Psychology, Research Methods I, II, and III; Field Experience & Research; Senior Seminar; and one platform course each from Groups A, B, and C

#### OR

A cumulative grade point average of 2.5 in all 11 courses required for major.

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## Requirements for a Bachelor of Science (B.S.) Degree in Psychology

Students who want to receive a Bachelor of Science degree must have their program approved by a Psychology advisor no later than the end of the first half of their junior year.

In order to receive a Bachelor of Science degree (B.S.), a student must fulfill all the requirements for the B.A. and, in addition, must complete the following:

**a. Math at the pre-calculus level or higher (currently MA2090); and**

**b. Two years (i.e., 4 semesters) of science courses (Biology, Chemistry, and Physics) with laboratory, (e.g. Biology I & II with lab and Chemistry I & II with lab).**

# OVERVIEW OF COURSE REQUIREMENTS AND LIST OF COURSES

## SIX CORE COURSES

**Introduction to Psychology**  
**Research Methods I**  
**Research Methods II – Statistics**  
**Research Methods III**  
**Field Experience & Research**

## FIVE ELECTIVES

**Group A Platform Elective**  
**Group B Platform Elective**  
**Group C Platform Elective**  
**3000-/4000-level Elective**  
**(from Group A, B, and C Electives)**  
**4000-level Elective (from Group A, B, and C Electives)**

### Introduction to Psychology (PY2010)

A survey course that exposes students to the major subfields in the discipline

[MINIMUM GRADE OF C REQUIRED]

### Research Methods I (PY3110)

An orientation to research methods and report writing in psychology.

[MINIMUM GRADE OF C REQUIRED]

### Research Methods II-Statistics

(PY3120)

A course in research statistics for psychology majors.

[MINIMUM GRADE OF C REQUIRED]

### Research Methods III (PY4100)

An advanced research methods course.

[MINIMUM GRADE OF C REQUIRED]

### Field Experience

**& Research (PY4130)**

Includes an internship in which students engage in supervised field work in consultation with a faculty member.

### Senior Seminar

A 5000-level course in a specific area of psychology. Course offerings vary each semester, and include the following:

- PY5210 Advanced Perspectives in Developmental Psychology
- PY5310 Approaches to Psychotherapy
- PY5320 Advanced Issues in Clinical Psychology
- PY5330 Topics in Personality Theory
- PY5410 The Psychology of Language
- PY5510 Advanced Issues in Social Psychology
- PY5520 Families & Public Policy
- PY5610 Research Perspectives in Neuropsychology
- PY5770 Cross-Cultural Psychology

## PLATFORM ELECTIVES

### Group A -Cognitive & Physiological

- PY3410 Cognitive Psychology
- PY3420 Learning & Motivation
- PY3610 Brain & Behavior
- PY3620 Drugs and Behavior
- PY4401 Developmental Neuropathology
- PY4402 Neuropsychopharmacology

### Group B - Clinical, Developmental, & Social

- PY3215 Foundations of Child Development
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3510 Social Psychology

### Group C - Diversity & Social Justice

- PY2340 Community Psychology
- PY2530 Psychology of Prejudice
- PY2720 Psychology of Gender
- PY3710 Psychology & Social Justice

## GROUP A ELECTIVES

### Cognitive

- PY3410 Cognitive Psychology
- PY3420 Learning & Motivation
- PY3430 Psychology of Decision-Making and Judgment
- PY3610 Brain & Behavior
- PY3620 Drugs and Behavior
- PY4230 The Psychobiology of Aging
- PY4403 Cognitive Neuroscience
- PY4410 Educational Psychology
- PY4610 Clinical Neuropsychology
- PY5404 Environmental Neuroplasticity

## GROUP B ELECTIVES

### Clinical & Personality

- PY3020 Health Psychology
- PY3310 Abnormal Human Behavior
- PY3311 Theories of Personality
- PY3320 Peer Counseling
- PY3330 Psychology of Addictions
- PY3530 Forensic Psychology

PY4320 Counseling Psychology

PY4330 Behavior Modification

PY4340 Clinical & Educational Assessment

PY4520 Family Dynamics

PY4560 Psychological Traumatization

### Developmental

PY3215 Foundations of Child Development

PY3230 Adulthood & Aging

PY3500 Personal & Professional Decision Making

PY4210 The Exceptional Child

PY4420 Adolescent Development

PY4450 Infants & Toddlers

### Social

PY3500 Personal & Professional Decision Making

PY3510 Social Psychology

PY3520 Group Process

PY3540 Environmental Psychology

PY3550 Social Psychology of Work

PY3565 Organizational Psychology

PY4010 History of Psychology

PY4140 Internship in Applied Psychology

PY4350 Psychology of Violence

## GROUP C ELECTIVES

### Diversity & Social Justice

PY2340 Community Psychology

PY2530 Psychology of Prejudice

PY2720 Psychology of Gender

PY2730 Psychology of Peoples of African Descent in the US

PY3710 Psychology & Social Justice

PY3740 Psychology of Latinos

PY3750 Psychology of Asian Americans

PY4720 Psychology of Women

PY4730 African-American Family Dynamics

## Declaring a Major

1. Students must make an appointment with a Psychology advisor.
2. Students must bring a transcript of all courses taken at **Old Westbury and elsewhere**.
3. Students with fewer than 57 credits must have received a C or better in PY2010 Introduction to Psychology to declare a major.
4. Students with 57 credits or more who have not taken PY2010 Introduction to Psychology or have not received a C or better will be allowed to declare but their continuation will be contingent on taking or retaking the course and receiving a C or better.

## Evening Students

The Psychology program offers the core required courses and electives in the evening on a rotating basis. However, completion of the major typically takes longer for evening students.

## Transfer Students

### General Guidelines

1. The transfer student must complete 44 credits in psychology, including approved and applicable transfer credits and Old Westbury credits, to complete the major (students should check with their advisor for details of actual requirements). Twenty-four (24) of the credits required for the major must be taken at Old Westbury.
2. A maximum of 20 credits can be credited toward the major from other accredited college experience. Additional psychology credits can count toward the baccalaureate degree but not toward the major requirement.
3. Courses will be transferred based upon the number of credits earned at the previous institution, even though a similar course at Old Westbury earns fewer or more credits.
4. Research Methods II: Statistics (PY3120) is a requirement for all majors. It may be met by transfer if the course taken was an introductory course in Psychological Statistics having an equivalent curriculum. If the course was taken in another discipline (Math, Business, etc.), students may take a placement examination. Upon passing, the requirement will be waived (consult with the instructor of statistics). Students who completed Psychological Statistics more than seven years ago and/or whose background is weak, must consult an advisor about repeating the course.

## Specific Procedures

Transfer students who wish to receive transfer credit in the major for psychology courses completed at other institutions must submit, to a psychology faculty member, a catalogue course description and a transcript of all psychology courses for which transfer credit is being sought.

# PUBLIC HEALTH DEPARTMENT

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**Professor:** Martha Livingston, *Chair*

**Assistant Professors:** Fetsum Rahwa Haile, Christopher Hartmann, Shijian Li, Sarah Smith

Consistent with the College's core social-justice mission, Public Health has been taught since the College's inception with a strong emphasis on the social determinants of health.

Public Health is an increasingly well-known and important field of study. Many colleges have created public health departments in recent years. Old Westbury students, however, have the benefit of a program that has been teaching undergraduates the core principles and disciplines of public health for many years.

In Public Health, students learn how the social, political and economic environment shape our ability to lead decent, healthy, productive lives. Students learn about health professions, careers and the institutions of the U.S. health care system; study the foundational public health principles of epidemiology, biostatistics and research methods; conduct internships and research in community-based health-care settings, developing contacts and real-world experience; and study a wide range of health-related topics from health care administration to public health ethics, from health education to women's health, from aging to health law and health policy, nutrition, human sexuality, substance use and numerous other areas of special interest.

## COURSE OF STUDY

The course of study offered in Public Health prepares students for post-graduation employment in public health departments, public health education and promotion, health-care administration, social work, counseling, and numerous other health-related fields, as well as providing a solid foundation for graduate-level study in public health, counseling and social work, and numerous varied allied-health fields.

Students are required to take Biology: either BS 2100, Biology for Non-Majors (1 semester), BS 2300-2310, Anatomy and Physiology (2 semesters), or BS 2400-2410, Biology for Majors (2 semesters), depending on their career goals. In addition, students must take two introductory courses, PH 3600, Introduction to the Social Determinants of Health, and PH 3610, Introduction to the U.S. Health Care System; PH 4670, Biostatistics; PH 4800, Epidemiology; PH 4900, Field Placement; PH 5900, Research Methods; PH 5920, Senior Seminar; and 3 PH elective courses.

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## Requirements for a Bachelor of Science (B.S.) Degree in Health and Society

In addition to College-wide requirements including Liberal Education Curriculum, students who plan to pursue a degree in Health and Society must take a minimum of 11 courses to fulfill degree requirements. The basic requirements for the degree are:

### 1. Seven core courses in Public Health Department (28 credits):

- PH 3600 Introduction to the Social Determinants of Health
- PH 3610 Introduction to the U.S. Health Care System
- PH 4670 Biostatistics
- PH 4800 Epidemiology
- PH 4900 Field Placement
- PH 5900 Research Methods
- PH 5920 Senior Seminar

### 2. Three Public Health Department electives (12 credits).

### 3. One semester of Biological Sciences (4 credits):

- BS 2100 Biology for Non-Majors
- OR**
- BS 2300 Anatomy and Physiology I
- OR**
- BS 2310 Anatomy and Physiology II
- OR**
- BS 2400 Basic Biological Sciences I
- OR**

BS 2410 Basic Biological Sciences II.

All courses in the major must be completed with a grade of C or better.

### Public Health Department Electives 12 Credits

Students may choose any three of these courses to satisfy the requirement for the major.

- PH3200 Nutrition and Society
- PH4450 Human Sexuality
- PH4600 Health Program Planning and Evaluation
- PH4610 Women's Health
- PH4631 Mental Health
- PH4650 Substance Use and Abuse
- PH4661 Health Education
- PH4680 Environmental Health
- PH4700 Medical Anthropology
- PH4750 Aging and Social Policy
- PH4760 Health Administration
- PH4770 Occupational Health
- PH4790 Health Policy
- PH4810 Ethics in Public Health
- PH4820 Health Law

PH4850 Global Health  
PH4890 Environmental Policy and Politics  
PH4920 Special Topics in Public Health  
PH4930 Immigrant and Refugee Health  
PE4430 Health Economics  
PY3020 Health Psychology  
SY3750 Medical Psychology

## Field Placement

All Public Health students must complete a 90-hour internship. Depending on their interests, students work in a wide variety of health settings. The fieldwork experience is an integral part of the Public Health program.

# SOCIOLOGY DEPARTMENT

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**Professor:** Gilda Zwerman

**Associate Professors:** Lee Blackstone, *Chair*; Jacob Heller, Eileen Landy (on leave),  
Diana Papademas, Ryoko Yamamoto

**Assistant Professors:** Jillian Crocker, Peter Ikeler, Laura Limonic, Dana Prewitt, Amanda Shigihara

**Visiting Instructors:** Rachel Kalish, Keisha Goode

## MISSION STATEMENT

The Sociology Department provides students with a liberal arts education based on a sociological understanding of human behavior, culture, and society through scientific inquiry. Our majors in Sociology and Criminology provide a foundation for intellectual development, civic responsibility, global awareness, and the pursuance of social justice in a diverse society. The Department empowers students with an opportunity to conduct original research and encourages them to assess social issues critically. The Sociology Department's faculty are committed to preparing students from every background for graduate degree programs, as well as for careers in teaching, social work, law, research-oriented positions, and a variety of other professional endeavors.

The Department of Sociology offers two majors in Sociology, which lead to either a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) Degree, and a major in Criminology, which leads to a Bachelor of Science (B.S.) Degree.

The Department serves all students interested in acquiring sociological knowledge. Most courses are open to both majors and non-majors. The sociological perspective offers students an opportunity to develop and refine their 'sociological imagination', through which the dynamics, principles, and patterns that govern human interaction and social structure are critically understood. At Old Westbury, students will learn the substantive knowledge, theories and methods of the discipline. Students exposed to sociology or criminology in this way will be enabled to analyze and interpret complex patterns in quantitative and qualitative data, thereby increasing and clarifying their understanding of social life.

## THE SOCIOLOGY MAJOR

The Sociology Major has five components.

- Basic courses provide students who have no training in sociology with a general introduction to the discipline.
- Foundation courses provide necessary grounding in sociological theory, analysis and methods.
- Cross-cultural component courses which will enhance sociological analysis in a global perspective.
- Elective courses chosen by majors allow students to delve more deeply in specific areas. (These courses are open to non-majors as well.)
- The senior seminar capstone course requires all majors to conduct an original primary research project and complete a senior thesis.

## Evening Students

The Department offers a full-time major for day and evening students. Students who plan to earn a B.A. or B.S. degree in Sociology by attending only evening classes should expect to spend three or more additional years.

## Graduate School Preparation

The major in sociology prepares students for a wide variety of graduate and professional programs, including

Social Work, Social Policy and Law as well as graduate study leading to the Ph.D. Students intending to pursue graduate education should consult a faculty advisor.

## Course Recommendations

The Department of Sociology recognizes that students will benefit from taking a broad range of liberal arts classes outside the major – from courses in the fine arts or literature to biological sciences or mathematics. Specifically, the Department recommends students consider courses in psychology, economics, philosophy, political science and history as a supplement to required courses.

Students interested in graduate school or future research occupations are encouraged to take courses in social statistics and the use of computers. The department strongly recommends that students who plan to pursue client-oriented professional work (e.g., social work, law, journalism) take courses to become proficient in Spanish, or another foreign language.

**NOTE:** None of these courses are prerequisites for sociology majors; they are courses that will give students a useful background for the major.

## LEARNING OUTCOMES

Sociology majors will demonstrate:

- Knowledge of key theories, concepts, and perspectives in the discipline, and the ability to critically apply them when analyzing social issues
- Knowledge of research skills and techniques commonly utilized by social scientists, and the ability to apply them when examining social phenomena.

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## Requirements for a Bachelor of Arts (B.A.) Degree or Bachelor of Science (B.S.) Degree in Sociology

Total credits required: 120 (90 credits of liberal arts are required for the B.A. degree; 60 credits of liberal arts are required for the B.S. degree.) A minimum grade of C- or higher is required for all courses counted toward the major.

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements: **40 credits**

In addition to college-wide requirements, students majoring in sociology must pass a minimum of ten courses, each with a grade of C- or better, and maintain a minimum 2.0 GPA in the major. The specific course requirements for the major are:

1. SY1500 Introductory Sociology **4 credits**

2. Three elective courses from the following list.

At least two of these three elective courses must be at the 4000-level. Freshmen and Sophomores are encouraged to take electives at the 2000 and 3000 level. **12 credits**

- SY2400 Sociology Through the Arts
- SY2550 Social Problems
- SY2600 Social Deviance
- SY2800 Race, Class, Gender and Sexuality
- SY3160 Sociology of Culture
- SY3280 Social Inequality
- SY3630 Political Sociology
- SY3700 Family and Society
- SY3750 Medical Sociology
- SY3800 Race and Ethnicity
- SY3900 Social Movements
- SY3910 Sociology of Work
- SY4260 Social Work: Theory and Practice

SY4270 Internship in Social Work, Sociology and Criminology

SY4400 Social Psychology

SY4500 Global Sociology

SY4600 Social Programs, Planning and Policy

SY4651 Sociology of Communications and Media

SY4810 Law and Justice

SY4830 Gender and Society

SY4850 Urban and Suburban Sociology

SY4950 Sociology of Music

SY4999 Issues in Sociology

CR2090 Juvenile Delinquency

CR3092 Victimology

CR3093 Criminal Justice Administration

CR3094 Drugs and Society

CR3117 Sex, Violence and Social Control

CR3200 Crime, Media and Culture

CR4000 Gender, Crime and Justice

CR4091 Punishment and Corrections

CR4099 Sociology of Violence

CR4999 Issues in Criminology

3. Four Sociological Foundation courses: **16 credits**

SY4520 Research Methods I

SY4530 Sociological Theory I

SY4540 Sociological Theory II

SY4570 Research Methods II

**NOTE:** SY4530 Sociological Theory I must be

successfully completed before enrolling in SY4540 Sociological Theory II. SY4520 Research Methods I must be successfully completed before enrolling in SY4570 Research Methods II.

4. Cross Cultural Component 4 credits

One course chosen from among the following list:

- CR3094 Drugs and Society
- CR3200 Crime, Media and Culture
- SY3160 Sociology of Culture
- SY3700 Family and Society

- SY4500 Global Sociology
- SY4651 Sociology of Communications and Media
- SY4950 Sociology of Music

5. SY5990 Senior Seminar

6. Students may repeat any Sociology/ Criminology course used to fulfill their major requirements, only once.

**C. General Electives**

In consultation with an academic advisor

## Transfer Students

The Sociology Department permits the application of transfer credits toward the major with these limitations:

1. Introductory Sociology may be transferred.
2. Up to two additional courses may be transferred toward the requirements of the major, one of which may be a foundation course if passed with a grade of C- or better at an accredited four-year college or university.
  - a. they may be drawn from the courses approved in articulation agreements with other colleges;
  - b. they may be drawn from courses taken at other colleges, provided they have been reviewed and approved by a Sociology faculty member.

Requests for exceptions will be considered in accordance with established department policies and procedures.

## Special Requirements

Senior standing in sociology requires a student to have:

1. Completed 100 credits (including transfer credits);
2. Satisfied the College-wide requirements of mastery in English and computational skills;
3. Passed all foundation courses (SY4520, SY4530, SY4540, SY4570) and at least one 4000-level elective, all with a "C-" or better.

To enroll in the Senior Seminar (SY5990), students must have attained senior standing as majors in sociology, and have successfully completed SY4520 Research Methods I, SY4530 Sociological Theory I, SY4540 Sociological Theory II, and SY4570 Research Methods II.

## THE CRIMINOLOGY MAJOR

The Criminology major is offered by the Sociology Department, and therefore it draws extensively from the sociological discipline to prepare students for understanding crime and delinquency. The major in criminology leads to the Bachelor of Science (B.S.) degree. The Sociology Department provides students with the tools to critically evaluate the structural, cultural and institutional social forces which affect the processes of making laws, breaking laws, and the societal reactions towards deviance and the breaking of laws. The major is highly relevant to those seeking to advance in the fields of law enforcement, corrections, and legal professions.

### The Criminology Major has four components:

1. Basic courses provide students who have no training in sociology with a general introduction to the discipline.
2. Foundation courses provide necessary grounding in sociological and criminological theory, analysis, and methods.
3. Elective courses chosen by majors allow students to delve more deeply in specific areas pertaining to both criminological and sociological study. (These courses are open to non-majors as well.)
4. The Senior Seminar Capstone course requires all majors to conduct an original primary research project and complete a senior thesis.

## LEARNING OUTCOMES

### Criminology majors will demonstrate:

- Knowledge of key theories, concepts, and perspectives in the discipline, and the ability to critically apply them when analyzing social issues;



## Social Work Minor

The interdisciplinary minor in Social Work is designed to provide a concentration for students in all academic majors who have an interest in Social Work. The minor is particularly useful to students planning a career in Social Work. The minor offers students an opportunity to study selected areas of social work. The minor requires five courses (20 credits) distributed in five clusters. A minimum of 16 credits must be taken outside the student's major. No more than one course may be transferred from another institution. Refer to Catalog section entitled "Minors" for specific requirements.

# VISUAL ARTS DEPARTMENT

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**Distinguished Teaching Professor:** Mac Adams

**Associate Professors:** Catherine Bernard, Christine Griffin, Patricia McLaughlin

**Assistant Professors:** Patricia Harris, *Chair*;

**Director, Amelie A. Wallace Gallery:** Hyewon Yi

Students may earn a Bachelor of Arts degree (B.A.) in Visual Arts, a Bachelor of Science degree (B.S.) in Visual Arts: Electronic Media or a Bachelor of Fine Arts degree (B.F.A) with two concentrations: Studio Arts and Electronic Media, by completing requirements in the Visual Arts program.

The Visual Arts Program focuses on a problem and project oriented course of study. Skills are developed as students need them; thus students feel free to use and even invent media related to expressive needs. Students do not have to postpone creation until they have mastered a whole set of techniques. Students are urged to blend technical education with creative projects.

The aim of the department is to develop students' awareness of creative processes as well as their understanding of the relationships between art and society. The program of study for majors includes the study of art history and an introduction to the practical problems associated with the pursuit of careers in art. Faculty emphasize the appropriate selection of elective courses in non-art areas. Specific courses in economics, anthropology, sociology, basic sciences, psychology and business are recommended.

The department's course of study is divided into three levels. First, the foundation level allows students to differentiate between authentic personal decisions and those dictated by social and cultural conditions. Second, a tutorial level allows students to focus on creative problems connected with their personal decisions and to understand their relation to the decisions of others. Third, a final critical level enables students to develop a quality control for the formal solutions of the projects and to relate them to the larger professional world.

As the student's work develops, their main area of interest will inform their choice of internship as well as their decision whether to pursue a B.A., B.S., or B.F.A. degree. B.A. and B.S. students will take part in a group exhibition in the Amelie A. Wallace Gallery. BFA students will have a one-person exhibition in this same gallery.

Professionally, Visual Arts graduates have chosen either to continue their education by pursuing a Master of Arts degree, or to enter directly into the work world. A sampling of careers that graduates have entered include: advertising, graphic and corporate design, interior design, typography, photography, gallery management, art therapy, publishing, television and teaching.

## Liberal Education Curriculum Notes

Students who are not Visual Arts majors are encouraged to take courses in art to broaden their education and strengthen their skills. Non-majors may select from the following list of Visual Arts courses in fulfilling their Liberal Education Curriculum requirement.

|        |                          |        |                        |        |                        |
|--------|--------------------------|--------|------------------------|--------|------------------------|
| VA2000 | Introduction to the Arts |        | Photography            | VA3100 | Visual Culture -Warhol |
| VA2010 | Introduction to          | VA2460 | Painting I             |        | to the Present         |
|        | Creative Thinking        | VA2500 | Art History I:         | VA3350 | Topics in              |
| VA2020 | Basic Design             |        | 19th Century Art       |        | Contemporary Art       |
| VA2030 | Drawing                  | VA2510 | Art History II:        | VA3380 | Digital Video          |
| VA2045 | Introduction to Color    |        | Modern Art: 1900-1945  | VA3400 | Digital Imaging        |
| VA2320 | Graphic Design I         | VA2520 | History of Photography | VA3440 | Intro to African Arts  |
| VA2400 | Introduction to          | VA2750 | Sculpture I            | VA4460 | Digital Animation      |

## Evening Students

At this time it is not possible for a student to earn a degree in Visual Arts by attending courses exclusively in the evening.

## Transfer Students

Transfer credits are evaluated for satisfaction of program requirements.

## Art Majors

In order to start the Tutorial Sequence and complete it, Visual Arts majors need to maintain a 3.0 average in all Visual Arts courses.

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### Requirements for a Bachelor of Arts (B.A.) Degree in Visual Arts (minimum 48 credits in Visual Arts)

To earn a B.A. Degree in Visual Arts, students must complete the Liberal Education Curriculum requirements and 48 credits in required courses in the Visual Arts department. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

#### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

#### B. Major Requirements

##### 1st Level Foundation Courses – 20 cr. (This level must be completed before starting Tutorials.)

|                  |   |       |
|------------------|---|-------|
| VA2010           | Introduction to Creative Thinking                                       | 4 cr. |
| VA2020           | Basic Design  | 4 cr. |
| VA2030           | Drawing   | 4 cr. |
| *VA2045          | Introduction to Color   | 4 cr. |
| VA2500 or VA2510 | Art History I: 19th Century Art or Art History II: Modern Art:1900-1945 | 4 cr. |

\* (or Introduction to Art-taken before Fall 2008)

##### 2nd Level Courses – 20 cr. (1st Level Courses Prerequisite)

In order to take Tutorials I, an average of 3.0 or better is needed in the first level Foundation Courses. This aver-

age has to be maintained in all Visual Arts courses in order to continue with Art Tutorials II and Art Tutorials III.

|        |                                    |       |
|--------|------------------------------------|-------|
| VA3100 | Visual Culture – Warhol to Present | 4 cr. |
| VA3200 | Art Tutorials I                    | 4 cr. |
| VA3400 | Digital Imaging                    | 4 cr. |
| VA4200 | Art Tutorials II                   | 4 cr. |
| VA5200 | Art Tutorials III                  | 4 cr. |

##### Required Art Electives - 8 cr.

|              |       |
|--------------|-------|
| Art Elective | 4 cr. |
| Art Elective | 4 cr. |

##### Group Exhibition

At the end of Tutorials III, B.A. candidates will be able to participate in a group show and exhibit their work at the Amelie A. Wallace Gallery.

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### Requirements for a Bachelor of Science (B.S.) Degree in Electronic Media (minimum 64 credits in Visual Arts and Electronic Media)

To earn a B.S. Degree in Visual Arts: Electronic Media, students must complete the Liberal Education Curriculum requirements, 48 credits in required Visual Arts courses and 16 credits in Electronic Media courses, for a total of 64 credits in the major. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

#### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

#### B. Major Requirements

##### 1st Level Foundation Courses – 20 cr. (This level must be completed before starting Tutorials.)

|                  |                                 |       |
|------------------|---------------------------------|-------|
| VA2010           | Intro. to Creative Thinking     | 4 cr. |
| VA2020           | Basic Design                    | 4 cr. |
| VA2030           | Drawing                         | 4 cr. |
| *VA2045          | Introduction to Color           | 4 cr. |
| VA2500 or VA2510 | Art History I: 19th Century Art |       |

or Art History II: Modern Art:1900-1945 4 cr.  
\*(or Introduction to Art-taken before Fall 2008)

##### 2nd Level Courses – 20 cr. (1st Level Courses Prerequisite)

In order to take Tutorials I, an average of 3.0 or better is needed in the first level Foundation Courses. This average has to be maintained in all Visual Arts courses in order to continue with Art Tutorials II and Art Tutorials III.

|        |                                    |       |
|--------|------------------------------------|-------|
| VA3100 | Visual Culture – Warhol to Present | 4 cr. |
| VA3200 | Art Tutorials I                    | 4 cr. |

|        |                   |       |                                       |       |
|--------|-------------------|-------|---------------------------------------|-------|
| VA3400 | Digital Imaging   | 4 cr. | <b>Required Art Electives - 8 cr.</b> |       |
| VA4200 | Art Tutorials II  | 4 cr. | VA 4900 Internship                    | 4 cr. |
| VA5200 | Art Tutorials III | 4 cr. | Art Elective                          | 4 cr. |
|        |                   |       | Art Elective                          | 4 cr. |

### Required Electronic Media courses -16 cr.

Choose 4 courses from the following:

|        |                        |       |  |                                   |       |
|--------|------------------------|-------|--|-----------------------------------|-------|
| VA2320 | Graphic Design I       | 4 cr. | VA4265   | 3D Digital Design                 | 4 cr. |
| VA3380 | Digital Video          | 4 cr. | VA4360   | Advanced Electronic and Animation | 4 cr. |
| VA4260 | Interactive Web Design | 4 cr. | Group Exhibition: At the end of Tutorial III, B.S. candidates will be able to participate in a group show and exhibit their work at the Amelie A. Wallace Gallery. |                                   |       |
| VA4320 | Graphic Design II      | 4 cr. |  |                                   |       |
| VA4460 | Digital Animation      | 4 cr. |  |                                   |       |

### Requirements for a Bachelor of Fine Arts degree in Studio Arts or Electronic Media (Minimum 72 credits in Visual Arts)

To earn a B.F.A. degree (Studio Arts or Electronic Media), students must complete the Liberal Education Curriculum requirements and 72 credits in required Visual Arts courses. A total of 120 credits is required for the degree. Credits for experiential learning are considered in satisfying departmental requirements.

#### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum bulletin for specific requirements.

#### B. Major Requirements

**1st Level Foundation courses – 20cr. (This level must be completed before starting Tutorials).**

|         |                            |       |
|---------|----------------------------|-------|
| VA2010  | Intro to Creative Thinking | 4 cr. |
| VA2020  | Basic Design               | 4 cr. |
| VA2030  | Drawing                    | 4 cr. |
| VA2510  | Art History Survey I or II | 4 cr. |
| *VA2045 | Introduction to Color      | 4 cr. |

\*(or Intro. to Art-taken before Fall 2008)

**2nd Level courses – 20cr. (1st Level Courses Prerequisite)**

|        |   |       |
|--------|---|-------|
| VA3100 | Visual Culture – Warhol to Present      | 4 cr. |
| VA3200 | Art Tutorials I                         | 4 cr. |
| VA3400 | Digital Imaging                         | 4 cr. |
| VA4200 | Art Tutorials II (BA Studio Art majors) | 4 cr. |
| VA5200 | Art Tutorials III                       | 4 cr. |

#### Required VA courses: (12 cr.)

|         |                                  |       |
|---------|----------------------------------|-------|
| VA4900  | Internship                       | 4 cr. |
| VA5900  | Senior Project (solo exhibition) | 4 cr. |
| A Third | Art History Course               | 4 cr. |

#### Required VA courses: Select 5 - (20 cr.)

|             |   |       |
|-------------|---|-------|
| VA2320      | Graphic Design I (formerly 4242 Print Design) | 4 cr. |
| VA2400      | Intro to Photo                                | 4 cr. |
| VA2460      | Painting I                                    | 4 cr. |
| VA2750      | Sculpture I                                   | 4 cr. |
| VA3380      | Digital Video                                 | 4 cr. |
| VA4260      | Interactive Web Design                        | 4 cr. |
| VA4460      | Digital Animation                             | 4 cr. |
| VA4265      | Advanced 3D Digital Design and Animation      | 4 cr. |
| VA4320      | Graphic Design II                             | 4 cr. |
| VA4360      | Advanced 3D Design and Animation              | 4 cr. |
| VA 3460     | Painting II                                   | 4 cr. |
| VA4750      | Sculpture II                                  | 4 cr. |
| VA Elective |   | 4 cr. |

At the end of Senior Projects, B.F.A. candidates will participate in a one-person exhibition in the Amelie A. Wallace Gallery.

# WOMEN AND GENDER STUDIES PROGRAM

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**Director:** Linda Camarasana, English

The Women and Gender Studies Program offers a minor (see Minors) as well as independent studies and internships. It is also affiliated with the Women's Center (see below).

Women and Gender Studies is a multidisciplinary field that examines the creation, reconstruction, and perpetuation of asymmetrical sex and gender systems, as well as their connections to other systems of power and inequality. It explores the ways in which gender intersects with women's and men's personal identities, health and well-being, social and cultural arrangements, economic and political systems, and our ways of knowing and understanding the world.

The minor examines how ideologies of sex and gender have influenced and been influenced by culture and society; literature and the arts; law and public policy; and health, science, and technology. It closes gaps in traditional higher education resulting from the exclusion of women and other marginalized groups from many fields of study.

This program of study empowers students through a feminist critique of social, cultural, and institutional structures that enables them to think more critically about their own lives and that inspires them to work as active citizens for social justice. The knowledge and skills attained from the Women and Gender Studies minor are valuable in such fields as education, social work, art, literature, business and human resources, scientific research and the health professions, law and public policy, media production, nonprofit advocacy, psychology, and information technology.

Women and Gender Studies Affiliated Faculty: Laura Anker, AS, FYE; Llana Barber, AS; Laura Chipley, AS; Amanda Frisken, AS; Jasmine Mitchell, AS; Carol Quirke, AS; Sujani Reddy, AS; Samara Smith, AS; Rita Colon Urban, BS; Judy Lloyd, CP; Linda Camarasana, EL; Jacqueline Emery, EL; Amara Graf, EL; Nicholas Powers, EL; Nicole Sieben, EL and SoE; Margaret Torrell, EL; Jessica Williams, EL; Edward Bever, HP; Maureen Feder-Marcus, HP; Sylvie Kande, HP; Caroline Sawyer, HP; Jing-yi Song, HP; Judy Walsh, HP; Sonia Assa, ML; Zenaida Madurka, ML; Kathleen O'Connor-Bater, ML; Carolyn Cocca, PEL; Tom Delgiudice, PEL; Fetsum-Rahwa Haile, PH; Shijian Li, PH; Martha Livingston, PH; Sarah Smith, PH; Minna Barrett, PY; Marty Cooper, PY; Ashlee Lien, PY; Laurette Morris, PY; Myeshia Price, PY; Lee Blackstone, SY; Jacob Heller, Rachel Kalizh, SY; Laura Limonic, SY; SY; Diana Papademas, SY; Dana Prewitt, SY; Amada Shigihara, SY; Ryoko Yamamoto, SY; Gilda Zwerman, SY; Patricia Harris, VA; Tricia McLaughlin, VA; Chirtina Notaro, SoA&S; Barbara Olsen, SoB.

## WOMEN'S CENTER

The Women's Center is a resource center and safe space for the students, staff, faculty, and administration of the College at Old Westbury. It has three main goals:

- To educate and empower women and men about issues of gender and sexuality, health and well-being, and achievement
- To raise awareness of and to reduce gender and sexual discrimination and violence
- To champion diversity, to advocate for equity, to build community, and to promote social justice

The Center sponsors presentations, workshops, and film series as well as housing a small lending library on such topics as sexual harassment, sexual assault, dating and domestic violence, stalking, equal pay, equal job opportunities, equal sports opportunities, general women's health and wellness, sexual health, stereotypes of gender and sexuality, LGBT issues, eating disorders, poverty, pregnancy, contraception and abortion, parenting, etc. It offers opportunities for student internships, service learning, volunteering and work study, and also provides resources and referrals on all of the above issues.

The Women's Center also works closely with Student Affairs, Counseling and Career Services, Student Health Services, the First Year Experience Program, Residential Life, University Police, and the Nassau County Coalition Against Domestic Violence, to promote health and well being, to raise awareness of domestic and dating violence, sexual assault, and stalking and to prevent and reduce these crimes on campus.

# SCHOOL OF BUSINESS

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## **Administration of the School of Business:**

**Interim Dean of School of Business:** Jishan Zhu

**Assistant Dean of School of Business:** Joel Feiner

**Director of Graduate Programs:** Cary Lange

**Director of Career Services, External Relations & Administration:** Lorraine Todisco

**Department of Accounting, Taxation and Business Law:** Peter Lucido, *Chair*

**Department of Management, Marketing & Finance:** Albert Murphy, *Chair*

## **Mission:**

The mission of the School of Business at State University of New York at Old Westbury, is to consistently provide a high quality business education to a diverse student population in a collaborative and supportive learning environment that emphasizes the application of knowledge, and stresses the ethical and professional responsibilities in a globally competitive business environment, while encouraging and promoting relevant research by faculty.

## **Vision:**

The School of Business at State University of New York at Old Westbury, strives to be a notable business school in the region, comprising high quality undergraduate and graduate programs, distinguished faculty committed to teaching excellence and relevant research, and a highly diverse student population.

Our vision is to be a premier public school of business in the New York metropolitan area, recognized for the qual

The School of Business is committed to providing high quality business education to its students through its curriculum, its teaching, its academic support services, and its placement and internship program. The curriculum is continually updated to reflect the impact of information technology on the globalization of markets, production methods, and job qualifications. All business faculty place a high emphasis on teaching effectiveness and student accessibility. Faculty are encouraged to experiment with a diversity of approaches in transmitting information and ensuring that the classroom is a participatory learning environment. The School of Business realizes the importance of academic advisement as a key component in a student's college education. Academic support services are intended to complement the curriculum and teaching aspect of a student's business education. Students are encouraged to speak with faculty advisors and develop their own plan for success.

The School of Business comprises two departments: Accounting, Taxation and Business Law and Management, Marketing and Finance.

The School of Business offers the following undergraduate degrees: a Bachelor of Science degree in Accounting; a combined Bachelor of Science / Master of Science in Accounting, a combined Bachelor of Science / Master of Science in Taxation and a Bachelor of Science in Business Administration. The School of Business also offers two graduate degrees, the Master of Science in Accounting, and a Master of Science in Taxation, which are described in a different catalog.

## **Evening Students**

The School of Business offers required and elective courses on a rotating basis from 5:30 p.m. to 10:20 p.m. to accommodate evening students. However, evening majors should note that not all courses are offered every semester in the evening; therefore, completion of their degrees may take longer than normal.

## **ADMISSION TO THE SCHOOL OF BUSINESS**

Admission to either of the academic departments within the School of Business is a separate process from that of admission to the College. The College admission process is conducted through the Office of Enrollment Services and requires that official copies of all prior transcripts be sent directly to the Office of Enrollment Services.

Students may seek admission to the School of Business through the Office of the Undergraduate Programs once they have completed at least 32 undergraduate credits. Admission to the degree program in Business Administration, Marketing or Finance is granted to students who have earned a combined cumulative grade-point average (GPA) of 2.70 or above. Admission to the Accounting program requires a cumulative GPA of 3.00 or above. First time to college students who are admitted to the College's Honors College may be admitted directly into the School of Business without needing to satisfy the previous requirements. Unofficial or student copies of transcripts of all previous study must be submitted before an admission decision can be made. Students who do not have the minimum entry GPA may apply directly to the Office of Enrollment Services for an application for Special Consideration admission to the School of Business.

All students who are granted admission to the School of Business will have an entry interview with the Assistant Dean to discuss the following:

- Determine which degree program within the School would be most appropriate to achieve their educational and career goals
- Analyze previous academic transcripts to establish course equivalencies and waivers for departmental and college Liberal Education Curriculum requirements
- Delineate all departmental and college course and credit requirements for the degree selected and provide students with a comprehensive advisement guide that will enable them to fulfill course prerequisites and degree requirements in an orderly manner
- As part of our on-going advisement system students will be assigned a faculty advisor in their chosen discipline who will mentor and assist them in the interpretation of College, School of Business and departmental regulations, graduation requirements and the selection of an appropriate sequence of courses.

## **NON-MATRICULATED STUDENTS**

Students who wish to continue their education by taking credit courses, without pursuing a degree, may elect to attend the college under a non-matriculated status. This option may be used by students who currently hold a bachelor's degree in a field of business and wish to take undergraduate courses needed to either enter the graduate program or to complete the courses that are required by the State Education Department to sit for the CPA examination. Such students should meet with the Assistant Dean to have their previous academic records evaluated and to determine what course/credit requirements need to be satisfied.

## **School of Business General Requirements**

1. A minimum of 120 credits for the B.S. in Business Administration and 126 credits for the B.S. in Accounting
2. Sixty (60) credits in liberal arts
3. A minimum residence of 40 credits (BS in Business Administration) and 46 credits (BS in Accounting) at the College at Old Westbury, with at least 50% of the major curriculum courses completed at Old Westbury.
4. To graduate with a B.S. degree from the School of Business, a student must achieve both a 2.50 cumulative GPA in Old Westbury business curriculum courses and a cumulative GPA of 2.50 for all Old Westbury course work.

## **ACADEMIC STANDING**

All students in the School of Business are expected to maintain a minimum 2.50 cumulative grade point average (GPA) in BOTH their business curriculum and in overall OW residence courses in order to continue in any major within the School of Business. If a student's overall GPA falls below this level, he/she is placed on academic probation within the School of Business. Two (2) successive semesters with a GPA below 2.50 may lead to dismissal from the School of Business. Appeals of such dismissals must be made directly to the School of Business Academic Review Committee.

## **SCHOOL OF BUSINESS INTERNSHIP PROGRAM**

The Internship Program in the School of Business is designed to help students gain practical experience and explore career possibilities. The School of Business offers an optional Internship Program for academic credit to those students who meet the eligibility requirements. Recent examples of internship sponsors include a national accounting firm, a national car rental company, a nationwide insurance company, a national brokerage firm, a national shopping mall operator, a major entertainment venue, and several small and mid-size local accounting firms. Interested students should contact the chairs of their departments early in the semester prior to the semester during which they wish to participate in the School of Business Internship Program.

# ACCOUNTING, TAXATION AND BUSINESS LAW

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**Professors:** James Fornaro

**Associate Professors:** Rita Buttermilch, David Glodstein, Cary Lange,  
Peter Lucido, *Chair*; Kenneth Winkelman

**Assistant Professors:** Anthony Barbera, Wen-Wen (Erica) Chien, Jeffrey D'Amico, Joseph Foy,  
Linval Frazer, Lingxiang Li, Roger Mayer

The objective of this course of study is to provide students with the analytical skills and knowledge to enter any area of the accounting profession. Although the program is designed to prepare the student for entry into public accountancy, graduates are well prepared to meet the accountings needs of all types of enterprises.

While the College offers a B.S. degree in Accounting, a student who wishes to be licensed as a Certified Public Accountant (CPA) in New York State must now meet a more extensive education requirement. This generally requires completion of a 150-credit hour program of study.

Students who complete both their B.S. degree in Accounting and either their M.S. degree in Accounting or M.S. degree in Taxation at SUNY Old Westbury will satisfy this requirement.

Students who have completed their undergraduate course of study at another educational institution may enter the M.S. program to satisfy the 150-credit hour program of study required to obtain a New York State CPA license. The College offers M.S. programs both for students who have an undergraduate degree in Accounting and for those students who obtained an undergraduate degree in another area.

The College offers combined B.S./M.S. programs in Accounting and Taxation. The prestigious combined B.S. /M.S. programs offer a directed approach to students who wish to obtain a CPA license. Students in the programs are required to take six fewer credits than those students who independently obtain the degrees, yet they receive all of the educational and professional benefits of obtaining the B.S. and M.S. degrees. Students enrolled in the programs have the advantage of being notified of acceptance into the graduate portion of the program prior to their senior year. In addition, students applying for admission into the combined B.S. /M.S. programs who attain the required undergraduate GPA do not need to take the GMAT exam to be admitted to the graduate school.

Each of the combined B.S./M.S. programs has been registered with the State of New York and will fully satisfy the education requirements needed to obtain a New York State CPA license.

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## Requirements for the Bachelor of Science (B.S.) Degree in Accounting

### A. Liberal Education Curriculum and Freshman Seminar

### B. Courses in Accounting and Business

#### Accounting Courses Required:

|        |  |         |
|--------|--|---------|
| BU3502 | Principles of Accounting I               | (3 cr.) |
| BU3511 | Principles of Accounting II              | (3 cr.) |
| BU4500 | Intermediate Accounting I                |         |
| BU4510 | Intermediate Accounting II               |         |
| BU4570 | Federal Income Tax I                     |         |
| BU4590 | Cost Accounting                          |         |
| BU5505 | Essentials Government Non/Profit (2 cr.) |         |
| BU5525 | International Accounting (2 cr.)         |         |
| BU5540 | Advanced Accounting                      |         |
| BU5550 | Auditing                                 |         |

#### Accounting elective(s) (minimum 2 credits):

|        |  |
|--------|--|
| BU5520 | Financial Accounting Research (2 cr.)  |
| BU5555 | Accounting Information Systems (2 cr.) |
| BU5560 | Financial Statement Analysis (2 cr.)   |

**Total Accounting Credits** 36 cr.

### Business Courses Required:

|        |                                      |
|--------|--------------------------------------|
| MA2000 | Applied Statistics                   |
| BU3600 | Principles of Business Law (2 cr.)   |
| BU3605 | Intermediate Business Law (2 cr.)    |
| BU3610 | Advanced Business Law (2 cr.)        |
| BU3800 | Marketing Principles                 |
| BU4110 | Organizational Behavior & Management |
| BU4762 | Financial Management                 |
| BU5115 | Operations Management                |
| BU5190 | Business Strategy & Policy           |

**Total Accounting/Business Credits** 66 cr.

### C. Liberal Arts Requirement: 18 cr.

|        |  |
|--------|--|
| PE2420 | Principles of Microeconomics (GE)      |
| PE2430 | Principles of Macroeconomics           |
| BU3010 | Information Systems for Managers       |
| MA2300 | Calculus for Business & Economics (GE) |
| BU3905 | Business Communication (2 cr.)         |

### D. Business or Liberal Arts Electives

**TOTAL CREDITS REQUIRED** 126 CR.

**COMBINED B.S./M.S. IN ACCOUNTING CURRICULUM****A. Liberal Education Curriculum****B. Courses in Accounting and Business****Accounting Courses Required:**

|        |                                  |         |
|--------|----------------------------------|---------|
| BU3502 | Principles of Accounting I       | (3 cr.) |
| BU3511 | Principles of Accounting II      | (3 cr.) |
| BU4500 | Intermediate Accounting I        |         |
| BU4510 | Intermediate Accounting II       |         |
| BU4570 | Federal Income Tax I             |         |
| BU4590 | Cost Accounting                  |         |
| BU5505 | Essentials Government Non/Profit | (2 cr.) |
| BU6540 | Advanced Financial Accounting    | (3 cr.) |
| BU6550 | Auditing for Public Accounting   | (3 cr.) |

**Total Accounting Credits 30 cr.****Business Courses Required:**

|        |                                      |         |
|--------|--------------------------------------|---------|
| BU3600 | Principles of Business Law           | (2 cr.) |
| BU3605 | Intermediate Business Law            | (2 cr.) |
| BU3610 | Advanced Business Law                | (2 cr.) |
| BU3800 | Marketing Principles                 |         |
| BU4110 | Organizational Behavior & Management | (GE)    |
| BU4762 | Financial Management                 |         |
| BU5115 | Operations Management                |         |
| BU5190 | Business Strategy & Policy           |         |
| MA2000 | Applied Statistics                   |         |

**Total Business Credits 30 cr.****C. Liberal Arts Courses Required:**

|        |                                   |         |
|--------|-----------------------------------|---------|
| PE2420 | Principles of Microeconomics      | (GE)    |
| PE2430 | Principles of Macroeconomics      |         |
| BU3010 | Information Systems for Managers  |         |
| BU3905 | Business Communication            | (2 cr.) |
| MA2300 | Calculus for Business & Economics | (GE)    |

**Total Liberal Arts Credits 18 cr.****Graduate Courses in Accounting:**

|        |                                   |  |
|--------|-----------------------------------|--|
| BU7545 | Financial Reporting & Analysis    |  |
| BU7547 | International Accounting          |  |
| BU7555 | Accounting Information Systems    |  |
| BU7556 | Advanced Accounting & Assurances  |  |
| BU7560 | Forensic Accounting               |  |
| BU7570 | Tax for Corporate Taxation        |  |
| BU7590 | Accounting Research               |  |
| BU7750 | Money, Credit and Capital Markets |  |
| BU7xxx | Accounting Taxation Elective      |  |
| BU7xxx | Accounting/Business Elective      |  |

**Total Graduate Credits in Accounting 30 cr****Total Credits Required Minimum 150 cr.****COMBINED BS/MS IN TAXATION CURRICULUM****A Liberal Education Curriculum****B. Courses in Accounting and Business****Accounting Courses Required:**

|        |                                  |         |
|--------|----------------------------------|---------|
| BU3502 | Principles of Accounting I       | (3 cr.) |
| BU3511 | Principles of Accounting II      | (3 cr.) |
| BU4500 | Intermediate Accounting I        |         |
| BU4510 | Intermediate Accounting II       |         |
| BU4570 | Federal Income Tax I             |         |
| BU4590 | Cost Accounting                  |         |
| BU5505 | Essentials Government Non/Profit | (2 cr.) |
| BU5525 | International Accounting         | (2 cr.) |
| BU6540 | Advanced Financial Accounting    |         |
| BU6550 | Auditing for Public Accounting   |         |

**Total Accounting Credits 32 cr.****Business Courses Required:**

|        |                                      |         |
|--------|--------------------------------------|---------|
| BU3600 | Principles of Business Law           | (2 cr.) |
| BU3605 | Intermediate Business Law            | (2 cr.) |
| BU3610 | Advanced Business Law                | (2 cr.) |
| BU3800 | Marketing Principles                 |         |
| BU4110 | Organizational Behavior & Management | (GE)    |
| BU4762 | Financial Management                 |         |
| BU5115 | Operations Management                |         |
| BU5190 | Business Strategy & Policy           |         |
| MA2000 | Applied Statistics                   |         |

**Total Business Credits 30 cr.****C. Liberal Arts Courses Required:**

|        |                                   |         |
|--------|-----------------------------------|---------|
| PE2420 | Principles of Microeconomics      | (GE)    |
| PE2430 | Principles of Macroeconomics      |         |
| BU3010 | Information Systems for Managers  |         |
| BU3905 | Business Communication            | (2 cr.) |
| MA2300 | Calculus for Business & Economics | (GE)    |

**Total Liberal Arts Credits 18 cr.****Graduate Courses in Taxation:**

|        |  |  |
|--------|--|--|
| BU7570 | Tax for Corporate Taxation                     |  |
| BU7571 | Tax Ethics, Practices & Procedures             |  |
| BU7572 | Tax of S Corps, Partnerships & LLC             |  |
| BU7574 | Estate & Gift Taxation                         |  |
| BU7575 | Taxation of Reorganizations & Liquidations     |  |
| BU7579 | Tax & Accounting Research                      |  |
| BU7xxx | Taxation Electives (two courses)               |  |
| BU7xxx | Accounting or Business Electives (two courses) |  |

**Total Graduate Credits in Taxation 30 cr.****Total Credits Required Minimum 150 cr.**

# MANAGEMENT, MARKETING AND FINANCE

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**Professors:** Madeline Crocitto, Barbara Olsen

**Associate Professors:** Alireza Ebrahimi, Costas Hadjicharalambous, Albert Murphy, *Chair*; Zhihong Shi, Elena Smirnova, Lynn Walsh, Jishan Zhu

**Assistant Professors:** Yu Lei, Katarzyna Platt, Shalei Simms, Michael Onorato

The Department of Management, Marketing, and Finance offers Bachelor of Science degrees in Business Administration, Marketing and Finance. The Department is committed to providing a high quality business education to its students through its curriculum, teaching, academic support services, and placement and internship programs. The curriculum of each major is divided into two parts: a common core of business courses and courses in specialized areas of their disciplines.

The Business Administration degree focuses on the delivery of management knowledge and the practice of effective skills. Two areas of specialization are provided to accomplish the overall objective: Management and General Business. The purpose of the Management specialization is to present detailed and current information on the field while encouraging students to acquire the necessary knowledge and skills to function effectively in a variety of managerial activities. The General Business specialization's purpose is to provide students with a foundation in the functional areas of business and with the necessary theories and interpersonal skills to assume positions in a variety of industries, organizational types and/or functional areas.

The Marketing degree offers a path to exciting careers in our ever expanding marketplace with attention to ethically positioning goods and services for domestic and international markets. It explores marketing as a sustainable means of conceiving, pricing, distributing, acquiring and consuming goods and services in an increasingly competitive global economy. The emphasis is on managing and improving customer relationships by focusing on customer needs and developing products that satisfy these needs and provide superior value. The learning trajectory covers product development, branding and advertising, marketing research, logistics, and sales promotion using traditional and new media in campaigns coordinated around integrated marketing communications (IMC). Students are prepared for marketing careers and for graduate MBAs as they continue their education with the holistic foundation.

The Finance degree provides students with the mastery of skills needed to facilitate, organize, analyze, and evaluate financial transactions in domestic as well as global financial markets. The core courses convey the cognitive and analytic competencies that underlie the discipline of finance. The specialized courses emphasize and reinforce the conceptual and quantitative underpinnings of financial transactions. Students are prepared for gainful employment in financial institutions including: investment banks, finance companies, and financial intermediaries such as commercial banks, savings banks, and insurance companies. Students are also prepared for employment in: brokerage firms, investment advisory services, finance departments of non-financial corporations, nonprofit institutions, and governmental agencies.

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## Requirements for the Bachelor of Science (B.S.) Degree in Business Administration

### A. Liberal Education Curriculum & Freshman Seminar

### B. Business Core: 50 cr.

- PE2420 Principles of Microeconomics (GE)
- PE2430 Principles of Macroeconomics
- BU3010 Information Systems for Managers
- MA2000 Applied Statistics
- MA2300 Calculus for Business & Economics (GE)
- BU3502 Accounting I (3 cr.)
- BU3511 Accounting II (3 cr.)
- BU3600 Principles Business Law (2 cr.)
- BU3800 Marketing: Principles & Concepts
- BU3905 Business Communication (2 cr.)
- BU4110 Organizational Behavior & Management
- BU4762 Financial Management

BU5115 Operations Management

BU5190 Business Strategy & Policy

### C. Students must choose one of the following degrees:

#### BS in Business Administration/Management: (5 courses with 16 credits min. OW)

BU4120 Global Business

BU5171 Human Resource Management

BU5196 Leadership

#### Select two of the following:

BU4035 Web Systems & Electronic Commerce

BU4130 Entrepreneurship

BU5125 Business Ethics

BU5195 Management Seminar

**BS in Business Admin. /General Business:**  
**(5 courses w/16 credits min. OW)**

BU4120 Global Business  
BU4774 Financial Markets & Institutions  
BU4851 Consumer Behavior  
BU5171 Human Resource Management

**Select one of the following:**

BU4035 Webs Systems & Electronic Commerce  
BU4130 Entrepreneurship

BU5125 Business Ethics  
BU5880 Brand Theory & Strategy

**Departmental Requirements 70 cr.**

**D. General Electives**

**TOTAL CREDITS REQUIRED 120 Cr.**

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**Requirements for the Bachelor of Science (B.S.) Degree in Marketing**

**A. Liberal Education Curriculum and Freshman Seminar**

**B. Business Core: 50 cr.**

PE2420 Principles of Microeconomics (GE)  
PE2430 Principles of Macroeconomics  
BU3010 Information Systems for Managers  
MA2000 Applied Statistics  
MA2300 Calculus for Business & Economics (GE)  
BU3502 Accounting I (3 cr.)  
BU3511 Accounting II (3 cr.)  
BU3600 Principles Business Law (2 cr.)  
BU3800 Marketing: Principles & Concepts  
BU3905 Business Communication (2 cr.)  
BU4110 Organizational Behavior & Management

BU4762 Financial Management  
BU5115 Operations Management  
BU5190 Business Strategy & Policy

**BS in Marketing: (5 courses with 16 credits min at OW)**

BU4800 Marketing Research  
BU4820 International Marketing  
BU4851 Consumer Behavior  
BU5841 Strategic Marketing  
BU5880 Brand Theory & Strategy

**Departmental Requirements 70 cr.**

**D. General Electives**

**TOTAL CREDITS REQUIRED 120 Cr.**

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**Requirements for the Bachelor of Science (B.S.) Degree in Finance**

**A. Liberal Education Curriculum and Freshman Seminar**

**B. Business Core: 50 cr.**

PE2420 Principles of Microeconomics (GE)  
PE2430 Principles of Macroeconomics  
BU3010 Information Systems for Managers  
MA2000 Applied Statistics  
MA2300 Calculus for Business & Economics (GE)  
BU3502 Accounting I (3 cr.)  
BU3511 Accounting II (3 cr.)  
BU3600 Principles Business Law (2 cr.)  
BU3800 Marketing: Principles & Concepts  
BU3905 Business Communication (2 cr.)  
BU4110 Organizational Behavior & Management  
BU4762 Financial Management

BU5115 Operations Management  
BU5190 Business Strategy & Policy

**BS in Finance: (5 courses with 16 credits min. at OW)**

BU4720 Global Financial Markets  
BU4774 Financial Markets & Institutions  
BU5710 Financial Modeling and Forecasting  
BU5740 Investment Management & Security Analysis

**Select of one of the following:**

BU5760 Corporate Finance  
BU5789 Futures & Options

**Departmental Requirements 70 cr.**

**D. General Electives**

**TOTAL CREDITS REQUIRED 120 Cr.**

# SCHOOL OF EDUCATION

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## Administration of the School of Education:

**Dean of the School of Education:** Nancy Brown  
**Assistant Dean for Data Management and Assessment:** Joshua Fyman  
**Director of Field Experiences:** Vincent Juba  
**Director of Academic Support Services:** Kenna Oleary  
**Technology Coordinator:** Raul Zevallos  
**Childhood Education and Literacy Department:** Amy Hsu, *Chair*  
**Exceptional Education and Learning Department:** Sanja Cale, *Chair*  
**Adolescence Education Department:** Xavier Marechaux, *Chair*

The School of Education at SUNY Old Westbury is proud to be among those institutions who have earned accreditation from the National Council for Accreditation of Teacher Education (NCATE), [www.ncate.org](http://www.ncate.org), a specialized accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. This accreditation covers initial teacher preparation programs and/or advanced educator preparation programs at Old Westbury. However, the accreditation does not include individual education courses that Old Westbury offers to P-12 educators for professional development, relicensure, or other purposes.

Graduates from an NCATE accredited teacher preparation program are in high demand because they are well-prepared for initial licensing and advanced board certification. Many states have reciprocity agreements based on graduation from NCATE accredited schools, so graduates of NCATE-accredited schools will generally find it easier to apply for a teaching license should they move out of state.

By achieving NCATE accreditation, the Old Westbury School of Education has illustrated that its teacher preparation program has met national standards set by the teaching profession and has undergone rigorous, external, impartial review by professionals, policy makers, and representatives of the public.

The mission of the School of Education is to prepare teacher candidates to be literate and progressive citizens who value human diversity and exemplify an appreciation for the interdisciplinary nature of knowledge and for learning as a lifelong process. The school seeks to develop teachers with the professional and personal characteristics and dispositions to facilitate the holistic development of all learners in the context of contemporary society.

Together with partners across the College and in the schools, faculty of the School of Education have developed a Conceptual Framework to implement the above mission and vision. The Conceptual Framework rests on three principles: a commitment to preparing teachers as professionals; a belief in the interdisciplinary nature of knowledge and practice; and an active engagement in promoting a just world. Teacher candidates explore these principles through course work and guided practice.

The School of Education comprises three departments: Childhood Education and Literacy, Exceptional Education and Learning and Adolescence Education. We offer programs leading to initial teacher certification in the following areas:

- Childhood Education – grades 1-6
- Childhood Education – grades 1-6 extended to Bilingual Education
- Special Education with Childhood Education – grades 1-6
- Special Education extended to Bilingual Education – grades 1-6
- Middle Childhood Education – grades 5-9 - in Biology or Chemistry or Mathematics or Spanish
- Adolescence Education – grades 7-12 - in Biology or Chemistry or Mathematics or Social Studies or Spanish

These programs provide professional courses and extensive field experience, including student teaching. Each course is planned to assist students in acquiring the knowledge and skills that will help them transmit the requisites of the New York State Learning Standards. All courses are designed so that students achieve competencies that have been identified by local school district personnel and prescribed by the New York State Education Department.

The School of Education has adopted a series of requirements for candidates at various transition points as they are admitted to and progress through the program. Further details about these requirements may be found in this catalog and in publications available from the School of Education.

## School of Education Admission Requirements

|  | REQUIREMENTS  |
|--|---|
| Admission to the SOE<br>APPLICATION REQUIRED | <ul style="list-style-type: none"> <li>• Completion of 48 credits</li> <li>• GPA <math>\geq</math> 3.0</li> <li>• Content GPA <math>\geq</math>3.0 (Adolescence Education)</li> <li>• B or better in MA1020 or equivalent</li> <li>• B or better in EL1000, EL22XX</li> <li>• B or better in ED3950 (may only be repeated once.)</li> </ul> <p>* Additional requirements will be furnished upon admission to the School of Education.</p> <p>* All School of Education requirements are contingent upon NYSED and SUNY graduation requirements and national accreditation requirements.</p> |

**Important notice:** The New York State Education Department and the State University of New York periodically revise graduation and/or certification requirements for teachers. When changes occur, students are bound by the new requirements instead of those listed in this catalog.

\* All students will be required to pay a mandatory data collection fee of \$133.00 upon your entry into the School of Education.

### Evening Students

Every effort is made to offer some required courses in the evening. While students can expect to complete some of their required Education courses in the evening, it is important for all students to realize that some courses and all field experiences can only be offered during the day. Some courses will be taught completely off campus within school districts. Some students may find that they will need more than four years to complete all requirements.

### Minimal Grade Requirements:

Grades of C- or lower are not accepted for any courses.

### Credit/No Credit Option:

The Credit/No Credit option is not permitted for any Liberal Education Curriculum, concentration courses or program requirements.

### Program Requirements:

All candidates must maintain a 3.0 in their overall GPA and Major. All candidates must complete a series of NYS mandated workshops for NYS certification and SUNY graduation. All candidates must complete an exit survey. Student teaching may not be repeated.

### Advisement

- A full-time Director of Academic Support Services acts as advisor to all new and transfer students. Appointments may be made by contacting the School of Education secretary in Room 1046 or by calling (516) 876-3275/3216 or 334-3982.
- Education majors are assigned a faculty advisor after acceptance to the School of Education.
- Students must meet with their assigned advisor each semester.
- Adolescence Education majors obtain advisement from their disciplinary coordinators.
- Majors in Biology, Chemistry, Mathematics, Social Studies and Spanish also obtain formal advising within their respective content area department.

### New York State Teacher Certification Examinations

Graduates requesting initial teacher certifications must pass the New York State Teacher Certification Examinations (NYSTCE). These are the Academic Literacy Skills Test (ALST), a test of the academic literacy skills necessary to teach in New York State public schools; the Educating All Students Test (EAS), a test of the professional and pedagogical knowledge and skills necessary to teach all students effectively in New York State public schools; the Multi-Subject Content Specialty Test (CST), a test of the content knowledge and skills necessary to teach effectively in New York State public schools, and the Teacher performance Assessment (edTPA). Special and Bilingual Education majors must also pass a CST in the area of specialization.

The most recent summary of NYSTCE results for all teacher education institutions in New York State - including SUNY Old Westbury - is available at the New York State Teacher Certification Examination (NYSTCE) website.

## Liberal Education Curriculum Requirements

All students must fulfill the College's Liberal Education Curriculum requirements as stated in the *Liberal Education Curriculum Bulletin*. In addition, all Childhood and Exceptional Education majors must complete:

- An upper division literature course in English to satisfy the "Humanities" requirement
- Two natural science courses with lab
- Two mathematics courses, one of which must satisfy the College's mathematics proficiency requirement
- Two semesters of the same foreign language (American Sign Language is acceptable)
- Bilingual Education students must complete 2 courses in the Spanish language

## Disciplinary Concentrations

All Childhood and Exceptional Education majors must complete a minimum of 8 courses in a disciplinary concentration in the liberal arts and sciences and must maintain a 3.0 GPA.

# CHILDHOOD EDUCATION

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**Associate Professor:** Kathleen Velsor, Amy Hsu, *Chair*

**Assistant Professor:** Anissa Lynch, Elizabeth Morphis, Stephanie Schneider, Blidi Stern

## Requirements for the Majors

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### Bachelor of Science (B.S.) Degree in Childhood Education (Grades 1-6)

**A. Liberal Education Curriculum-See requirements previously stated.**

**B. A 32 credit concentration in a liberal arts or science discipline.**

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

**C. 36 credits in required Education courses:**

- ED3700 Child Development for Teachers
- ED3820 Foundations of Special Education
- ED3950 Creating Schools for a Just Society\*
- ED4050 Innovative Instructional Design and Assessment

- ED4121 Methods & Materials of Teaching Elementary Science Methods
- ED4122 Methods & Materials of Teaching Elementary Math Methods
- ED4200 Literacy for All Students
- ED4220 Language Arts in the Context of Childhood Education
- ED5925 Building a Classroom Community for All Learners

**D. 12 credits in required field experiences:**

- ED5940\* Student Teaching & Seminar

\* B or better required

### Bachelor of Science (B.S.) Degree in Childhood Education with a Bilingual Extension/Spanish (Grades 1-6)

In addition to the admission requirements for the School of Education, students in the Bilingual Education Extension Program must demonstrate proficiency in oral and written Spanish by taking the OPIc and WPT exams.

**A. General Education**

See requirements previously stated.

**B. A 32 credit concentration in a liberal arts or science discipline.**

Students may transfer a maximum of four of these

courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

**C. 50 credits in Education courses:**

- ED/ML2600 Spanish & Methods of Teaching in the Content Areas for Bilingual Teachers
- ED3700 Child Development
- ED3820 Foundations of Special Education
- ED3950\* Creating Schools for a Just Society

ED4050 Innovative Instructional Design and Assessment  
 ED4121 Methods & Materials of Teaching Elementary Science  
 ED4122 Methods & Materials of Teaching Elementary Mathematics  
 ED4200 Literacy for All Students  
 ED4220B Language Arts in the Context of Bilingual Childhood Education  
 ED4250 Linguistics for Language Educators

ED4670 Methods & Materials of Teaching English as a Second Language  
 ED5925 Building a Classroom Community for All Learners  
 ED5926 Current Topics in Bilingual Education

**D. 12 credits in required field experiences:**

ED5940B Student Teaching in a Bilingual Classroom & Seminar

\* B or better required

# EXCEPTIONAL EDUCATION AND LEARNING

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**Professor:** Hedva Lewittes

**Associate Professor:** Sanja Cale, *Chair*, Julio González Martínez, Diana Sukhram

**Assistant Professor:** Lauren Foxworth, Andrew Hershey,

## Bachelor of Science (BS) Degree in Exceptional Education and Childhood Education (Grades 1 to 6) Dual Certification

**A. General Education**

See requirements previously stated.

**B. A 32 Credit concentration on liberal arts or science discipline.**

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

**C. 24 Credits in Childhood Education courses:**

ED3700 - Child Development  
 ED3950\* -Creating Schools for a Just Society  
 ED4121 -Methods and Materials for Teaching Elementary Science Majors  
 ED4122 - Methods and Materials for Teaching Elementary Math Methods  
 ED4200 - Literacy for All Students  
 ED4220 - Language Arts in the Context of Childhood Education

**D. 20 Credits in required Exceptional Education courses:**

ED3820 - Foundations of Special Education  
 ED4850 - Instructional Design & Delivery for Students with Disabilities  
 ED4300 - Assessment and Evidence-based Decision Making in Special Education  
 ED4810 - Positive Behavior Supports and Interventions for Students with Disabilities  
 ED4890 - Effective Practices for Students with Low Incidence Disabilities

**E. 16 credits in required field experiences:**

ED5930\* - Internship: Meeting the Needs of Diverse Learners  
 ED5960\* - Student Teaching and Seminar

\* B or better required

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## Bachelor of Science (B.S.) Degree in Exceptional Education with a Bilingual Extension/Spanish

In addition to admission requirements for the School of Education, Exceptional Education candidates in the Bilingual Extension Program must demonstrate proficiency in oral and written Spanish by taking the OPIc and WPT exams.

**A. General Education**

See requirements previously stated.

**B. 32 credit concentration in a liberal arts or science discipline.**

Students may transfer a maximum of four of these courses from other institutions. The disciplinary concentrations are described later in this section of the catalog.

**C. 38 credits in required Education courses:**

ED/ML2600 Spanish & Methods of Teaching in the Content Areas for Bilingual Teachers  
 ED3700 Child Development  
 ED3820 Foundations of Special Education  
 ED3950\* Creating Schools for a Just Society

\* B or better required

- ED4121 Methods & Materials of Teaching Elementary Science
- ED4122 Methods & Materials of Teaching Elementary Mathematics
- ED4200 Literacy for All Students
- ED4220B Language Arts in the Context of Bilingual Childhood Education
- ED4250 Linguistics for Language Educators
- ED4670 Methods & Materials of Teaching English as a Second Language
- ED5926 Current Topics in Bilingual Education

**D. 20 credits in required Exceptional Education courses:**

- ED3820 Foundations of Special Education

- ED4300 Assessment and Evidence-based Decision Making in Special Education
- ED4810 Positive Behavior Supports for Interventions for Students with Disabilities
- ED4850 Instructional Design & Delivery for Students with Disabilities
- ED4890 Effective Practices for Students with Low Incidence Disabilities

**E. 16 credits in required field experiences:**

- ED5930 Internship: Meeting the Needs of Diverse Learners
- ED5960B\* Student Teaching and Seminar or of Science (B.S.)

\* B or better required

**Disciplinary Concentrations for Childhood, Bilingual, and Exceptional Education Majors Only - 32 credits in each concentration**

**American Studies Concentration**

- AS2112 The American People I
- AS2122 The American People II
- AND**
- Two American Studies courses at the 4000-level
- Two American Studies courses at the 5000-level
- AND**
- Two American Studies elective courses
- Only one 1000 or 2000-level course may be counted among these courses.

**Biology Concentration**

- BS2400 Basic Biological Science I with Lab
- BS2410 Basic Biological Science II with Lab
- CP2120/2121 Principles of Chemistry I with Lab
- CP2130/2131 Principles of Chemistry II with Lab
- One course in Physics with Lab
- Three upper division biology courses (one course from each of the following areas: Cellular and Molecular, Organismic and Population:

**Cellular-Molecular Area:**

- BS4400 Cell Biology
- BS4460 Genetics

**Organismic Area:**

- BS3400 Vertebrate Physiology
- BS3520 Comparative Anatomy

**Population Area:**

- BS4440 Evolution
- BS4470 Ecology

**Chemistry Concentration (33 credits)**

- CP2120/2121 Principles of Chemistry I with Lab
- CP2130/2131 Principles of Chemistry II with Lab
- CP3300/3302 Organic Chemistry I with Lab
- CP3400 Chemical Analysis
- CP2220/2221 Structure of Physics I with Lab
- CP2230/2231 Structure of Physics II with Lab

- MA2090 Precalculus

**Select one of these courses:**

- CP2210 Physical Science
- CP2300 Weather Studies
- CP2400 Ocean Studies
- CP2500 Climate Studies

**English Concentration (32 credits)**

**Distribution Requirements:**

- (a) At least 2 courses primarily in literature written before 1800 (for the U.S., 1900)
- (b) At least 1 course in each of: British Literature; U.S. Literature; and World Literature. Either EL3500 or 3510 may be used to satisfy the British or U.S. Literature requirement, but not both.

**1. Linguistic Foundations:**

- EL3010 Structure and Grammar of English

**2. Literary Analysis (choose two):**

- EL3500 Literature Across Cultures I: Analysis and Interpretation
- EL3510 Literature Across Cultures II: Theory
- EL4400 Critical Theory

**3. Literary Traditions (select one from Group A, one from Group B, and one from Group A, B, or C)**

**A. British and U.S. Literature:**

- EL3600 U.S. Literature I: Colonial Period to Civil War
- EL3610 U.S. Literature II: Civil War to Present
- EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare
- EL3810 English Literature II: Romantics to Present

**B. World Literature:**

- EL3560 Literatures of Europe Part I
- EL3561 Literatures of Europe Part II
- EL3700 Survey of World Literature

**C. Genres and Traditions, Multicultural and World Literature:**

- EL4200 Biblical-Classical Foundations of Multicultural Literature
- EL4300 20th-Century Literature: Colonialism and Postcolonialism
- EL4311 Greek Drama
- EL4312 Greek Mythology
- EL4325 Shakespeare: Selected Plays
- EL4380 The Novel
- EL4402 Sin and Sexuality in Literature
- EL4500 Topics in British/US Literature
- EL4510 Modern Drama and Theater
- EL4540 Epic: East and West

**4. Perspectives: Choose Multicultural U.S.-British Literature OR World Literature Specialization Multicultural U.S.-British Literature Specialization:**

**a. Electives. Choose ONE course from any of these groups:**

**British/U.S. Literature**

- EL4030 Women and Narrative
- EL4050 Lesbian and Gay Literature
- EL4060 Literature of Class and Class Consciousness
- EL4080 Extraordinary Bodies: Disability in Literature

**U.S. Literature**

- ML3410 Latino Writers in the US
- EL3811 Survey of African American Literature
- EL4000 Native American Literature
- EL4010 Harlem Renaissance
- EL4015 Multi-Ethnic Literatures of the United States
- EL4020 Asian American Literature
- EL4040 Black Women Writers
- EL4070 Topics in African American Literature
- EL4090 African American Novel
- EL4091 African American Poetry and Plays
- EL4405 Caribbean Literature

**British Literature**

- EL4550 Modern English Literature 1890-1960
- EL4560 Multicultural British Literature Since 1960

**b. Required for all students in the specialization:**

- EL4800 Major Authors

**World Literature Specialization:**

Note: Non-English Literatures are read in translation.

**a. Surveys—Choose one:**

- EL3865 Literature of Asia
- EL3870 Literatures of Africa
- EL3880/ML348 Masterpieces of Hispanic Literature

**b. Electives—Choose one:**

- EL4405 Caribbean Literature
- EL4600 Literature of India
- EL4630 Latin American Literature
- EL4640 French Literature
- EL4650 Literature of Russia and Eastern Europe

**History Concentration 32 credits [8 courses]**

[no more than 2 courses at the 2000 level; at least 4 courses at the 4000 level]

**Core: 4 required courses distributed as described below: 16 credits**

**1. One course (4 credits) on European History:**

- HI2681 Introduction to European History
- HI2521 World History II: Western Civilization
- HI3002 Rise of Reason
- HI3011 Foundations of the Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 From God to Machine
- HI3102 Hispanic Heritage
- HI3455 Modern European Revolutions
- HI3558 Classical Greco-Roman History
- HI4415 Europe of the Dictators
- HI4420 Women and Witchcraft
- HI4557 Renaissance and Reformation Europe

**2. One course (4 credits) on American History**

- AS2112 American People I
- AS2122 American People II
- AS2262 African American History I
- AS2263 African American History II
- AS2640 U.S. Latina/o History
- AS3412 African-American Women's History
- AS3462 History of Women in the U.S.
- HI3700 Historical Geography of Latin America
- AS4212 Early America
- AS4215 Critical Ideas in American History
- AS4218 Civil War and Reconstruction
- AS4222 The Emergence of Modern America
- AS4252 Immigration History
- AS4282 America in War and Peace, 1898 to 1975
- AS4283 America between the World Wars
- AS4285 Vietnam and After
- AS4290 Youth in America: A History
- AS4292 America Since World War II: 1945-1989
- AS4402 History of the Family in the U.S.
- AS4420 History of New York City and State
- AS4432 History of the Women's Movement

**3. One course (4 credits) on the History of Africa, East Asia, South Asia, the Middle East, and Latin America**

- HI2511 World History I: the Non-Western World
- HI3080 Asian Cultures

**Africa**

- HI3091 African Cultures
- HI3640 African History

**East Asia**

- HI4900 Modern China [study abroad]
- HI4905 Chinese Civilization

**South Asia**

- HI4800 History of India

### Middle East

- HI3835 Islamic Cultures
- HI4306 Golden Age of Islam
- HI4308 History in the Modern Middle East

### Latin America

- HI3110 Latin American Culture
- HI3700 Historical Geography of Latin America

### 4. One course (4 credits) on Global Perspectives, Trans-regional Connections, Historiography or Geography:

#### Global Perspectives

- HI4001 Nineteenth Century
- HI4011 Twentieth Century

#### Trans-regional Connections

- HI3610 America's African Heritage
- HI3840 Crescent and Cross
- HI4650 History of African Enslavement;
- HI4850 Domesticity 19th and Early 20th Centuries
- HI4910 Chinese Diaspora Across the Pacific

#### Historiography:

- HI4062 Making History

#### Geography:

- HI2810 Geography, Earth and People
- HI3600 Global Geography
- HI4600 World Regional Geography

#### Electives: 16 credits

Any 4 courses listed above. Guidelines as to levels must be followed.

## Mathematics Concentration

The mathematics concentration requires a minimum of 8 mathematics courses (32 credits). Students may transfer a maximum of four of these courses (16 credits) from other institutions. Completion in this concentration requires a grade of C or higher in all mathematics courses.

### Students must complete 32 credits as follows:

#### A. Required Mathematics Courses: All of the following seven courses (28 credits)

- MA2010 Foundations of Mathematics I 4
- MA3020 Foundations of Mathematics II 4
- MA2310 Calculus & Analytic Geometry I 4
- MA2320 Calculus & Analytic Geometry II 4
- MA3030 Discrete Mathematics 4
- MA3160 Linear Algebra 4
- MA3210 Introduction to Probability & Statistics 4

#### B. Required Elective: One Upper Division Mathematics Course (4 Credits)

Take any one 3000 or 4000 level mathematics course: MA3xxx OR MA4xxx.

## Politics, Economics and Law Concentration

- PE2400 Introduction to Political Economy 4 cr.
- PE2650 Introduction to U.S. Politics 4 cr.
- PE3400 Political Economy of the Third World 4 cr.
- PE3410 U.S. Political Economy 4 cr.
- PE4470 History of Economic Thought 4 cr.

### OR

- PE4620 Political and Social Thought 4 cr.
- PE4580 Origins of the Capitalist Economy 4 cr.

### OR

- PE4590 Global Economy in the 20<sup>th</sup> Century 4 cr.

### AND

- Two upper-division electives in PES 8 cr.

## Spanish Language, Hispanic Literature and Culture Concentration (32 credits)

This concentration consists of 8 courses above the basic levels and allows student to explore a range of topics including grammar, writing, linguistics, translation, culture, art, film and literature. Students who select this concentration are expected to participate in the Spanish club and events sponsored by the Hispanic/Latino Cultural Center.

The selection of the first course in the concentration will be based on Advanced Placement or CLEP scores, previous coursework from other institutions, or advisement by a Modern Languages faculty member.

### Required courses:

4000 level course focused on Spain

4000 level course focused on Latin America

### For those pursuing the bilingual extension the following course is also required:

ED/ML 2600. This course should be taken at the end of the program of study after completing the majority of the methods courses. Prerequisites: ED 4000, ED 4050, ED 4200, ED 4220B. Allowable co-requisites: ED 4121, ED 4122.

## Visual Arts Concentration

Foundation Courses 12 cr.

- VA2010 Introduction to Creative Thinking
- VA2020 Basic Design
- VA2500 Art History Survey I

### OR

- VA2510 Art History Survey II

Art Tutorials with Faculty Mentor 12 cr.

- VA3200 Art Tutorials I
- VA4200 Art Tutorials II
- VA5200 Art Tutorials III

Advanced Requirements 8 cr.

- VA4900 Internship
- Advanced Course (elective at the 3000 or 4000 level)

## World Cultures Concentration

Students may take no more than 2 of the following courses at the 1000 or 2000 level. At least 4 courses must be at the 4000 or 5000 level.

### The core: 3 required courses distributed as follows from the courses listed below: 12 cr.

**The Heritage of the West (choose one)**

- HI1010 World Religions - West
- HI2681 Introduction to Europe History  
1350-present
- HI3002 Rise of Reason—The Classical Origins  
of Western Culture
- HI3011 Foundations of Judeo-Christian Tradition
- HI3021 Europe in the Middle Ages
- HI3030 God to Machine 16th-18th Century
- HI3102 Hispanic Heritage
- HI4557 Renaissance and Reformation in Europe

**The Heritage of Asia, Africa, The Middle East and Latin America (choose one)**

- HI1020 World Religions - East
- HI3080 Asian Cultures
- HI3091 African Cultures
- HI3110 Latin American Culture
- HI3835 Islamic Cultures
- HI3700 Historical Geography of Latin America
- HI4800 History of India
- HI4905 Chinese Civilization

**Methodological or Global**

(choose one from EITHER group below)

*Methodological (Interdisciplinary, disciplinary, cross-cultural)*

- HI2200 Science in Western Civilization
- HI2720 Introduction to Philosophy
- HI2810 Geography, Earth, and People
- HI3040 Analysis of Culture
- HI3600 Global Geography
- HI4062 Making History

*Global*

- HI4001 Nineteenth Century
- HI4011 Twentieth Century
- HI4600 World Regional Geography

**Electives****20 cr.**

5 courses selected **from any of the courses listed above and/or from any of the course listed below.**  
Guidelines as to levels must be followed

- HI3200 Contemporary Religious Experiences
- HI3323 Buddhism
- HI3455 Modern European Revolutions
- HI3525 Ancient Greek Philosophy
- HI3558 Classical Greco-Roman History
- HI3703 Modern Philosophy
- HI3704 African Regions and Philosophy
- HI3710 Contemporary Philosophical Issues
- HI3752 Ethics
- HI3840 Crescent and the Cross
- HI4051 Logic and Scientific Reasoning
- HI4305 Islam and the Quran
- HI4306 Golden age of Islam
- HI4308 History of the Modern Middle East
- HI4395 Philosophy from the 20th to the 21st  
Century
- HI4650 History of African Enslavement;
- HI4850 Domesticity 19th and Early 20th Centuries
- HI4900 Modern China - A Study Abroad course
- HI4910 Chinese Diaspora Across the Pacific

## ADOLESCENCE EDUCATION

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**COMBINED BACHELOR'S-MASTER OF ARTS IN TEACHING DEGREE PROGRAMS**

The School of Education is currently developing combined degree programs in five areas: Chemistry, English, Mathematics, Social Studies and Spanish. The programs are designed so that students who follow the courses of study can finish their respective bachelor's degrees in 3.5 years and their respective master's degree in 1.5 additional years. Students accepted to the combined- degree program will have the benefit of taking specified graduate course during the last semester of their bachelor's program and pay for the graduate courses at the undergraduate tuition rate. These graduate courses will count toward both degrees. For more information refer to the School of Education section in the graduate catalog. These programs are scheduled to be offered as of Spring 2017.

## ADOLESCENCE EDUCATION – SCIENCE

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**Coordinator:** Professor, Fernando Espinoza**Bachelor of Science (B.S.) Degree in Adolescence Education - Biology - Grades 7-12**

Students in these programs earn a degree in both Biological Sciences and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have a Biological Sciences advisor.

See below for specific requirements.

#### **A. Biology Content Requirements**

Candidates must complete all requirements for the BS degree in Biological Sciences. The BA degree is no longer accepted.

#### **B. Liberal Education Curriculum Courses**

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

#### **C. Education Core Courses**

CP2050 The Nature and Development of Science  
ED3742 Middle Childhood & Adolescence  
ED3820 Foundations of Special Education  
ED3950\* Creating Schools for a Just Society

ED4085 Methods and Materials of Teaching Science in Secondary School  
ED4230 Reading Across the Curriculum  
ED4231 Reading Practicum  
ED5890 Pre-teaching Practicum & Seminar  
ED5900\* Student Teaching & Seminar in Adolescence Education (grades 7-12)

#### **D. Other Requirements**

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere. Students must earn grades no lower than C in all biology courses.

\* B or better required

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### **Bachelor of Science (B.S.) Degree in Middle Childhood Education - Biology - Grades 5-9**

Students in this program earn a degree in both Biological Sciences and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have a Biological Sciences advisor.

See below for specific requirements.

#### **A. Biology Content Requirements**

Candidates must complete all requirements for the BS degree in Biological Sciences. The BA degree is no longer accepted.

#### **B. Liberal Education Curriculum Courses**

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

#### **C. Education Core Courses**

CP2050 The Nature and Development of Science  
ED3742 Middle Childhood & Adolescence  
ED3950\* Creating Schools for a Just Society  
ED3820 Foundations of Special Education  
ED4085 Methods and Materials of Teaching Science in Secondary School

ED4230 Reading Across the Curriculum  
ED4231 Reading Practicum  
ED4050 Interdisciplinary Instructional Strategies  
ED5890 Pre-teaching Practicum & Seminar  
ED5910\* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

#### **D. Other Requirements**

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere. Students must earn grades no lower than C in all biology courses.

\* B or better required

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### **Bachelor of Science (B.S.) or Bachelor of Arts (B.A.) Degree in Adolescence Education - Chemistry - Grades 7-12**

Students in these programs earn a degree in both Chemistry and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Chemistry/Physics Department. See below for specific requirements.

#### **A. Chemistry Content Requirements**

Candidates must complete all requirements for either the BA or BS degree in Chemistry. See pages 68-69 of this catalog for details.

#### **B. Liberal Education Curriculum Courses**

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

#### **C. Education Core Courses**

CP2050 The Nature and Development of Science  
ED3742 Middle Childhood & Adolescence  
ED3820 Foundations of Special Education  
ED3950\* Creating Schools for a Just Society  
ED4085 Methods and Materials of Teaching Science in Secondary School  
ED4230 Reading Across the Curriculum  
ED4231 Reading Practicum

ED5890\* Pre-teaching Practicum & Seminar  
ED5900\* Student Teaching & Seminar in  
Adolescence Education (grades 7-12)

**D. Other Requirements**

Candidates must earn a grade of C or higher in all

required courses for the degree, whether taken at  
Old Westbury or elsewhere.

\* B or better required

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## **Bachelor of Science (B.S.) Degree in Middle Childhood Education - Chemistry - Grades 5-9**

Students in this program earn a degree in both Chemistry and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Science Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor in the Chemistry/Physics Department. See below for specific requirements.

**A. Chemistry Content Requirements**

Candidates must complete all requirements for either the BA or BS degree in Chemistry. See pages 68-69 of this catalog for details.

**B. Liberal Education Curriculum Courses**

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

**C. Education Core Courses**

CP2050 The Nature and Development of Science  
21st Century  
HI4650 History of African Enslavement  
HI4850 Domesticity in the 19th and Early 20th  
Centuries  
HI4900 Modern China—a Study Abroad Course  
HI4910 Chinese Diaspora across the Pacific  
ED4305 Foundations of Special Education

ED4085 Methods and Materials of Teaching  
Science in Secondary School  
ED4230 Reading Across the Curriculum  
ED4231 Reading Practicum  
ED4050 Innovative Instructional Design  
& Assessment  
ED3742 Middle Childhood & Adolescence  
ED3950\* Creating Schools for a Just Society  
ED5890 Pre-teaching Practicum & Seminar  
ED5910\* Student Teaching & Seminar in Middle  
Childhood Education (grades 5-9)

**D. Other Requirements**

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

\* B or better required

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# ADOLESCENCE EDUCATION – MATHEMATICS

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**Coordinator:** Assistant Professor, Jeanne Shimizu

## **Bachelor of Science (B.S.) Degree in Adolescence Education Mathematics - Grades 7-12**

Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescence Education (grades 7-12) teachers. The School of Education Mathematics Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Mathematics Department. See below for specific requirements.

**A. Mathematics Content Requirements**

MA2310 Calculus & Analytical Geometry I  
MA2320 Calculus & Analytical Geometry II  
MA2500 History of Mathematics  
MA3030 Discrete Mathematics  
MA3160 Linear Algebra  
MA3180 Foundations of Secondary School  
Mathematics  
MA3210 Probability & Statistics

MA3330 Calculus & Analytical Geometry III  
MA3520 Transition to Advanced Mathematics  
MA4510 Geometry  
MA5120 Abstract Algebra I  
MA5320 Advanced Calculus I

**B. Liberal Education Curriculum Courses**

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

### C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950\* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum
- ED4231 Reading Practicum
- ED4082 Methods and Materials of Teaching Math in Secondary School
- ED5890 Pre-teaching Practicum & Seminar
- ED5900\* Student Teaching & Seminar in Adolescence Education (grades 7-12)

### D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

### E. Second Major in Mathematics

Candidates who desire a second major in mathematics must take: MA4360, CS2510, and one Math elective at 4000 or 5000 level. In addition to MA4510, MA5120, MA5320.

\* B or better required

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## Bachelor of Science (B.S.) Degree in Middle Childhood Education Mathematics - Grades 5-9

Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Mathematics Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Mathematics Department. See below for specific requirements.

### A. Mathematics Content Requirements

- MA2310 Calculus & Analytical Geometry I
- MA2320 Calculus & Analytical Geometry II
- MA2500 History of Mathematics
- MA3030 Discrete Mathematics
- MA3160 Linear Algebra
- MA3180 Foundations of Secondary School Mathematics
- MA3210 Probability & Statistics
- MA3330 Calculus & Analytical Geometry III
- MA3520 Transition to Advanced Mathematics
- MA4510 Geometry
- MA5120 Abstract Algebra I
- MA5320 Advance Calculus I

### B. Liberal Education Curriculum Courses

Students must complete all requirements of the Old Westbury Liberal Education Curriculum.

### C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950\* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum

- ED4231 Reading Practicum
- ED4050 Innovative Instructional Design & Assessment
- ED4082 Methods and Materials of Teaching Math in Secondary School
- ED5890 Pre-teaching Practicum & Seminar
- ED5910\* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

### D. Other Requirements

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

### E. Second Major in Mathematics

Candidates who desire a second major in mathematics must take: MA4360, CS2510, and one Math elective at 4000 or 5000 level. In addition to MA4510, MA5120, MA5320.

\* B or better required

# ADOLESCENCE EDUCATION – SOCIAL STUDIES

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**Coordinator:** Associate Professor, Xavier Maréchaux

## **Bachelor of Arts (B.A.) Degree in Adolescence Education Social Studies - Grades 7-12**

Students in this program earn a degree in both History (Social Studies track) and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescent Education (grades 7-12) teachers. The Social Studies coordinator, who holds a joint appointment in the School of Education and the History and Philosophy Department, is responsible for advising and approving students as they progress through the program.

### **A. Social Studies Content Requirements**

Candidates must complete all requirements for one the options of the BA degree in History, Track II (Social Studies).  
See page 76 of this catalog for details.

ED4231 Reading Practicum  
ED4086 Methods and Materials of Teaching Social Studies in Secondary School  
ED5890 Pre-teaching Practicum & Seminar  
ED5900\* Student Teaching & Seminar in Adolescence Education (grades 7-12)

### **B. Liberal Education Curriculum Courses**

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

### **C. Education Core Courses**

ED3742 Middle Childhood & Adolescence  
ED3820 Foundations of Special Education  
ED3950\* Creating School's for a Just Society  
ED4230 Reading Across the Curriculum

### **D. Special Requirements**

Except where the requirement is higher, candidates must earn a minimum grade of C in all required courses for the degree, whether taken at Old Westbury or elsewhere.

\* B or better required

# ADOLESCENCE EDUCATION - SPANISH

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**Coordinator:** Assistant Professor, M. Carolina Bustamonte

## **Bachelor of Arts (B.A.) Degree in Adolescence Education Spanish - Grades 7-12**

Students in this program earn a degree in both Spanish Language, Hispanic Literature and Culture, and Adolescence Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Adolescent Education (grades 7-12) teachers. The School of Education Spanish Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Modern Languages Department. See below for specific requirements.

### **A. Spanish Content Requirements**

Candidates must complete all requirements for one of the options of the BA degree in Spanish Language, Hispanic Literature and Culture. See pages 89-90 of this catalog for details.

ED4050 Innovative Instructional Design & Assessment  
ED4083 Methods and Materials of Teaching Spanish in Secondary School  
ED5890 Pre-teaching Practicum & Seminar  
ED5900\* Student Teaching & Seminar in Adolescence Education (grades 7-12)

### **B. Liberal Education Curriculum Courses**

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

### **C. Education Core Courses**

ED3742 Middle Childhood & Adolescence  
ED3820 Foundations of Special Education  
ED3950\* Creating Schools for a Just Society  
ED4230 Reading Across the Curriculum  
ED4231 Reading Practicum

### **D. Special Requirements**

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

\* B or better required

Candidates must complete the Oral Proficiency Interview exam prior to completing the program. See the Spanish Education Coordinator for further details.

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### **Bachelor of Science (B.S.) Degree in Middle Childhood Education Spanish - Grades 5-9**

Students in this program earn a degree in both Spanish Language, Hispanic Literature and Culture and Middle Childhood Education. Candidates successfully completing this program of study are recommended by Old Westbury to New York State for initial certification as Middle Childhood Education (grades 5-9) teachers. The School of Education Spanish Education coordinator is responsible for advising and approving students as they progress through the School of Education program. Students should also have an advisor from the Modern Languages Department. See below for specific requirements.

#### **A. Spanish Content Requirements**

Candidates must complete all requirements for one of the options of the BA degree in Spanish Language, Hispanic Literature and Culture. See pages 76-78 of this catalog for details.

#### **B. Liberal Education Curriculum Courses**

Students must complete requirements of the Old Westbury Liberal Education Curriculum.

#### **C. Education Core Courses**

- ED3742 Middle Childhood & Adolescence
- ED3820 Foundations of Special Education
- ED3950\* Creating Schools for a Just Society
- ED4230 Reading Across the Curriculum
- ED4231 Reading Practicum
- ED4050 Innovative Instructional Design & Assessment

ED4083 Methods and Materials of Teaching Spanish in Secondary School

ED5890 Pre-teaching Practicum & Seminar

ED5910\* Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

#### **D. Special Requirements**

Candidates must earn a grade of C or higher in all required courses for the degree, whether taken at Old Westbury or elsewhere.

Candidates must complete the Oral Proficiency Interview exam prior to completing the program. See the Spanish Education Coordinator for further details.

\* B or better required

# SCHOOL OF PROFESSIONAL STUDIES

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Director of the School of Professional Studies: Edward Bever

The School of Professional Studies offers a variety of programs oriented toward developing skills and knowledge needed for specific occupational areas. The School offers high quality, flexible courses of study attuned to the needs of the current workplace that prepare students to compete successfully in the global marketplace. Its programs include two baccalaureate degrees, a Bachelor of Professional Studies in Business and Management and a Bachelor of Science in Liberal Arts and General Studies, and a Minor in Entertainment and Sports Management.

## **Mission**

The mission of SUNY Old Westbury's School of Professional Studies is to support the College's core academic programs by offering quality, affordable career-oriented training and skills enhancement consistent with the College's mission.

## **Admissions and Enrollment**

Non-matriculated students can enroll in courses offered by the School of Professional Studies up to Old Westbury's limit of 32 credits.

Matriculated students can enroll in credit courses offered by the School of Professional Studies as part of their regular course load through the normal registration process.

Matriculated students gain admission to the School of Professional Studies when they declare as their major one of its degree programs. Students intending to major in one of the School's degree programs should apply to the College through its normal enrollment process.

## **Transfer Students**

Students can apply up to 80 credits earned at other accredited institutions of higher learning toward their Old Westbury degree. Transfer credits will be applied to degrees offered by the School of Professional Studies based on their appropriateness as determined by the Director, the policies of the College specified in the "Transfer Credit" section of the College catalog, and existing equivalencies and articulation agreements.

## **Credit for Prior Learning**

Old Westbury offers a number of ways for incoming students' to get credit for their prior learning: credit by Examination, credit for Military Training, and credit awarded for experiential learning (the College's Accreditation Program for Experiential Learning, or APEL). The School for Professional Studies will advise students on how they can take advantage of these opportunities to gain credit for their prior learning and advance as quickly as possible to their degree. Information about the various programs is given under "Academic Policies and Procedures." (Note that Credit for Prior Learning is included in the 80 credit limit mentioned in the "Transfer Students" section above; students must take at least 40 of the 120 credits required for their bachelor's degree at Old Westbury.)

## **Evening and Weekend Students**

Courses offered by the School for Professional Studies will be offered on weekends, in the evening, and online. Courses offered by other schools in the College utilized by programs in the School for Professional Studies may not be available at these times, but Liberal Education Curriculum can be completed through classes offered online and in the evening. Most majors offer some courses online and at night, but selection is limited. Students therefore should plan individualized courses of study and electives carefully. Advising is available from the School of Professional Studies appropriate course substitutions can be made with the approval of the Director.

## **Degree Programs**

The School of Professional Studies offers two degree programs.

- Bachelor of Professional Studies (B.P.S.) in Business and Management
- Bachelor of Science (B.S.) in Liberal Arts and General Studies

**Both of these programs are characterized by the flexibility of their major components.**

- The Major in the B.S. in Liberal Arts and General Studies is created individually by a student in consultation with an advisor.
- The Major in the B.P.S. in Business and Management includes a core of basic business courses and an elective component.

## Minors

Part of the flexibility of the School for Professional Studies' programs comes from the fact that students are encouraged to pursue Minors as well as their Major in order to gain focused skills and readily-identifiable credentials in specific vocationally oriented areas. The School of Professional Studies currently offers a Minor in Entertainment and Sports Management, and students can also take minors offered by Old Westbury's other departments.

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## The B.P.S. in Business and Management

*Note that the B.P.S. in Business and Management is separate from the School of Business, and its courses do not count toward School of Business requirements.*

The Bachelor of Professional Studies in Business and Management requires a total of 120 credits, at least 30 of which must be in the Liberal Arts, 40 taken at Old Westbury, and 45 at the upper-division level. These are divided into three sets of courses:

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements (40 credits)

#### 1. The Major Core: 36 credits

PS 2225 Applied Statistics for Management

**OR**

MA 2000 Applied Statistics

PS 2325 Business Economics

PS 3125 Accounting for Managers

PS 3225 Communications for Business

PS 3275 Information Systems for Business

PS 3325 Principles of Management

PS 3425 Fundamentals of Marketing

PS 4225 Business Law

PS 4325 Fundamentals of Financial Markets

#### 2. Elective Course: 4 credits

Students will take one additional course consistent with their interests and career plans as part of the

major. The course may be within or outside the BPS in Business and Management program, but if outside it must be approved by the student's advisor.

### Elective courses within the BPS in Business and Management program include:

PS 3995 Career Internship

PS 4420 Entertainment and Sports Management

PS 4430 Entertainment and Sports Marketing

PS 4440 Entertainment and Sports Media

PS 5425 Entertainment and Sports Law

PS 5435 Entertainment and Sports Finance

### C. College Electives

Students will take additional courses to bring their total credits to 120.

### D. Grades of D

A maximum of 2 courses with a grade of D, D+, or D- can be counted toward the major.

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## The B.S. in Liberal Arts and General Studies

The Bachelor of Science in Liberal Arts and General Studies requires a total of 120 credits, at least 60 of which must be in the Liberal Arts, 40 taken at Old Westbury, and 45 at the upper-division level. These are divided into three sets of courses:

### A. Liberal Education Curriculum

Refer to the Liberal Education Curriculum Bulletin for specific requirements.

### B. Major Requirements (40 credits)

1. Students will design an individualized "Major Core" course of study in consultation with an advisor that is consistent with their professional development, career aspirations, and life goals. A curriculum contract will be established which

will constitute the curriculum requirements for graduation.

2. At least 24 of the 40 credits in the Major Core must be at the upper-division level.

3. The Major Core can be completed in one of two broad categories:

- i) Academic Divisions of Knowledge: Students will take courses in each of the major Academic Divisions of Knowledge: the Natural Sciences, the Social Sciences, and the Humanities.

ii) Interdisciplinary Themes: Course selection for this category will include courses in a minimum of two disciplines from one or more of the major academic divisions.

**D. Grades of D**

A maximum of 2 courses with a grade of D, D+, or D- can be counted toward the major.

**C. College Electives**

Students will take additional courses to bring their total credits to 120.

**Entertainment and Sports Management Minor**

New York is a hub of the entertainment industry and the home of a wide variety of professional, semi-professional, and organized amateur sports organizations. The School of Professional Studies offers a 5 course, 20 credit minor in Entertainment and Sports Management designed to give students knowledge and skills to help them enter and succeed in the business activities of these enterprises. For details on requirements, see the "Minors" section of this catalog.