

ACADEMIC DEPARTMENTS

SCHOOL OF ARTS AND SCIENCES

School of Arts and Sciences Administration:

Dean of the School of Arts and Sciences: Barbara Hillery

American Studies: Andrew Mattson, *Chair*

Biological Sciences: Fernando Nieto, *Chair*

Chemistry and Physics: Judith Lloyd, *Chair*

English: Margaret Torrell, *Chair*

History and Philosophy: Caroline Sawyer, *Chair*

Mathematics, Computer and Information Sciences: Geta Techanie, *Chair*

Modern Languages: Kathleen Bater-O'Connor, *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

Distinguished Service Professor: Laura Anker

Professors: Aubrey Bonnett, Karl Grossman

Associate Professors: Amanda Frisken; John Friedman, Carol Quirke, Denton Watson

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

Instructors: Joseph Manfredi, Andrew Mattson, *Chair*

Visiting Instructor: Sarah Marchesano

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.

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.

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

(120 credits, 90 credits in liberal arts)

A. General Education

Refer to the General Education 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
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
 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
 AS4202 Internship in Government and Community
 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
 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. 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+, 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

Distinguished Teaching Professor: George Stefano

Professors: Rita Colon-Urban

Associate Professors: Patrick Cadet, Fernando Nieto, *Chair*; Stephen Pryor

Assistant Professor: Manya Mascareno

Visiting Instructor: Virgilija Remeza

Staff Laboratory Manager: Judith Johnson

Laboratory Technicians: Chris Olsen, Rita Reddy

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.

General Education

Students who are not majors in Biological Sciences may select biology to fulfill the science domain in General Education. 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).

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:

Patrick Cadet:	Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology of invertebrates
Rita Colon-Urban:	Microbiology: Mechanisms of Antibiotic Resistance
Manya Mascareno	Cancer: Cell Biology and Gene Expression Changes
Fernando Nieto:	Microbial Ecology
Stephen C. Pryor:	Environmental Health, Biochemical Genetics of Mosquitoes, Effects of Parasitic Infection on Behavior of Hosts
Virgilija Remeza:	Microbiology, Molecular Genetics
George B. Stefano:	Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology Invertebrates

Currently, the research programs are supported as follows:

The Old Westbury Neuroscience Research Institute

Director, George Stefano, Ph.D.

1. The Old Westbury Neuroscience Research Institute funded by the National Institute on Drug Abuse and NIMH.
2. Old Westbury International Neuroscience Research Program funded by the National Institutes of Health.
Director, Fernando Nieto, Ph.D.

Each of these research opportunities provide financial support to qualified students.

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

(Total Credits Required 120)

A. General Education

Refer to the General Education 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/ Seminar II: Writing in the Discipline (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 a-c or from the following Biology electives:

BS2490	Environmental Science
BS3400	Vertebrate Physiology
BS3450	Plant Biology
BS3510	Parasitology
BS3520	Comparative Anatomy
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. CP2100-2101 & 2110-2111 General Chemistry I, II (with Labs)

OR

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.

C. General Electives

In consultation with Academic Advisor

Upper-Division Requirements

A grade of D may be accepted toward graduation in a maximum of two of the required 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.

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

(Total Credits Required 120)

A. General Education

Refer to the General Education 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:

I. 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
- 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.)

CHEMISTRY AND PHYSICS

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

Distinguished Service Professor: Henry Teoh

Professors: Barbara Hillery, Judith Lloyd, Konrad Wu

Associate Professors: Michael Colaneri, Fernando Espinoza, Duncan Quarless

Assistant Professors: Ruomei Gao, Youngjoo Kim

Visiting Associate Professor: Steve Samuel

Laboratory Manager: Judith Johnson

Laboratory Technician: Jianli Zheng

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 Bachelor of Science program, leaving greater freedom for selection of courses in other areas, e.g., the biological sciences. 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, patent 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 sciences.

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 program.

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.

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.

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.

Transfer Students

The Chemistry major is 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.

Evening Students

At the present time, it is not possible for a student to earn a degree in Chemistry 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.

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

A. General Education

Refer to the General Education Bulletin for specific requirements.

B. Core Requirements

(include 1 Chemistry elective) 51 credits (minimum)

CP2120	Principles of Chemistry I	3	CP2231	Structure of Physics II Lab	1
CP2121	Principles of Chemistry I Lab	1	OR		
CP2130	Principles of Chemistry II	3	CP2251	General Physics II Lab	1
CP2131	Principles of Chemistry II Lab	1	MA2310	Calculus I	4
CP3300	Organic Chemistry I	3	MA2320	Calculus II	4
CP3302	Organic Chemistry I Lab	2	Chemistry Electives		
CP3310	Organic Chemistry II	3	(at least one of the following)	2-5 credits	
CP3312	Organic Chemistry II Lab	2	CP3230	Mathematical Methods in the Physical Sciences	3
CP3400	Analytical Chemistry	5	CP4320	Advanced Organic Chemistry	3
CP4700	Physical Chemistry I	3	CP4510	Biochemistry I	3
CP4710	Physical Chemistry II	3	CP4515	Biochemistry II	3
CP4720	Physical Chemistry Lab	2	CP4520	Biochemistry Lab	2
OR			CP4720	Physical Chemistry Lab	2
CP4520	Biochemistry Lab	2	CP4800	Advanced Chemical Methods	5
CP5920	Senior Seminar I	1	CP5500	Advanced Topics in Chemistry	3
CP5921	Senior Seminar II	1	CP5600	Advanced Inorganic Chemistry	3
CP2220	Structure of Physics I	3	CP5900	Research	2-4
OR			CP9990	Independent Study in Chemistry/Physics	2-4
CP2240	General Physics I	3	C. General Electives		
CP2221	Structure of Physics I Lab	1	In consultation with Academic Advisor		
OR			Total Credits Required:		120
CP2241	General Physics I Lab	1			
CP2230	Structure of Physics II	3			
OR					
CP2250	General Physics II	3			

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

A. General Education

Refer to the General Education Bulletin for specific requirements.

B. Core Requirements

(include 3 Chemistry electives) 64 credits (minimum)

CP2120	Principles of Chemistry I	3	CP4800	Advanced Chemical Methods	5
CP2121	Principles of Chemistry I Lab	1	CP5920	Senior Seminar I	1
CP2130	Principles of Chemistry II	3	CP5921	Senior Seminar II	1
CP2131	Principles of Chemistry II Lab	1	CP2240	General Physics I	3
CP3300	Organic Chemistry I	3	CP2241	General Physics I Lab	1
CP3302	Organic Chemistry I Lab	2	CP2250	General Physics II	3
CP3310	Organic Chemistry II	3	CP2251	General Physics II Lab	1
CP3312	Organic Chemistry II Lab	2	MA2310	Calculus I	4
CP3400	Analytical Chemistry	5	MA2320	Calculus II	4
CP4700	Physical Chemistry I	3	MA3330	Calculus III	4
CP4710	Physical Chemistry II	3	or		
CP4720	Physical Chemistry Lab	2	MA4360	Differential Equations	4
			or		
			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
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 ¹	2-4
CP9990	Independent Study in Chemistry/Physics	2-4

C. General Electives

In consultation with Academic Advisor

Total Credits Required: 120

¹ 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 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.

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

A. General Education

Refer to the General Education 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

or

CP2240	General Physics I	
CP2221	Structure of Physics I Lab	1

or

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
CP4720	Physical Chemistry Lab. II	2
CP4800	Advanced Chemical Methods	5
CP5500	Advanced Topics in Chemistry	3
CP5900	Research	2-4
CP9990	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

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

Professors: Narayan Hegde, Christopher Hobson, Mervyn Keizer

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

Assistant Professors: Jacqueline Emery, Amara Graf

Visiting Instructor: Jessica Williams

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

The Department of English houses Old Westbury's Writing Programs and offers the Bachelor of Arts Degree in English. Building on common foundations, this degree offers two upper-level specializations: Multicultural U.S.-British Literature and 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 provides a variety of curricular and co-curricular projects to involve students in that discovery and development which mark the enlightened and lively study of literature. 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.

Graduates of the B.A. Degree in English program will be well prepared to enter graduate school as well as any profession requiring strong proficiency in communication, writing, and critical analysis. The English program rigorously cultivates skills in literary analysis, careful reading, and advanced writing through a multicultural and global literary framework, giving students an educational background that is in increasing demand by employers and graduate schools. Our graduates work in fields such as publishing, banking, education, business, library science, 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.

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.

Website: <http://english-ow.com>

Requirements for a B.A. Degree in English

(120 credits, 90 in liberal arts):

A. General Education

Refer to the General Education 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 20th - 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 Writing¹

EL5010 Senior Seminar—Thesis

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

¹Prerequisite 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.

General Education Courses

Most but not all courses above the 2200 level courses fulfill General Education Domain requirements in the areas of Humanities and/or Diversity. Consult the General Education 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

Professors: Edward Bever, Judith Walsh

Associate Professors: Sylvie Kandé,
Maureen Feder-Marcus, Caroline Sawyer, Jingyi Song, *Chair*

Assistant Professor: Xavier Maréchaux, Juan Galvis

Lecturer: Cristina Notaro

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 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

The department supports minors in Philosophy and Religion, Pre-Law, Global Studies, African American Studies, and Islamic 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 also sponsors a student club.

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 the Summer Study Abroad Program in Spain, coordinated by the Department of Modern Languages.

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.

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, an advanced trans-regional course on the relationship between two or more world regions, an advanced Global history course, 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.

Track I: History Liberal Arts

A. General Education

Refer to the General Education 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

HI4632 Japanese History

HI3900 Modern China [study abroad]

HI4905 Chinese Civilization

South Asia

HI3080 Asian Cultures

HI4800 History of India

PE4660 Politics of South Asia

Middle East

HI3835 Islamic Cultures

HI4306 Golden Age of Islam

Latin America

HI3110 Latin American Culture

HI3700 Historical Geography of Latin America

PE4690 Politics of Latin America & Caribbean

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

HI4001 Nineteenth Century

HI4011 Twentieth Century

5. 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

6. Historiography: 4 credits (one course)

HI4062 Making History

7. 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:

AS2262 African American History I

AS2263 African American History II

AS3462 History of Women in the U.S.

AS3640 U.S. Latina/o History

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
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	Islam in the Modern World
HI4395	Philosophy from the 20th to the 21st Century
HI4415	Europe of the Dictators
HI4420	Women and Witchcraft
HI4557	Renaissance and Reformation Europe

8. Senior Seminar 4 credits (one course)

HI5900	Senior Seminar
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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. General Education

Refer to the General Education Bulletin for specific requirements.

B. Major requirements 64 credits

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

I. European History: 8 credits (two courses)

HI2681	Introduction to European History [required]
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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
AS3222	Urban 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
AS4292	America Since World War II: 1945-1989
AS4420	History of New York City and State
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]
HI4632	Japanese History
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

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:

- HI3600 Global Geography
- HI4600 World Regional Geography

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.

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

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 General Education 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. General Education 51-52 credits.

Refer to the General Education 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

Modes of Religious Inquiry

- 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
 HI4308 Islam in the Modern World
 HI4313 Islamic Philosophy & Mysticism
 HI4420 Women and Witchcraft
 HI4557 Renaissance and Reformation in Europe
 EL4312 Greek Mythology

History of Ideas

AS3482 History of Love and Sexuality
 AS4215 Critical Ideas in American History
 HI3002 Rise of Reason—The Classical Origins of Western Culture
 HI3021 Europe in the Middle Ages
 HI3030 From God to the Machine: Europe from the Sixteenth to the Eighteenth Centuries
 HI4420 Women and Witchcraft
 HI4557 Renaissance and Reformation in Europe
 PE4580 Origins of the Capitalist Economy
 PE4620 Political & Social Thought
 SY4530 Sociological Theory I

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)

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 toward 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. General Education

Refer to the *General Education Bulletin* for specific requirements.

B. ILR degrees (refer to the following page)

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
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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)

Electives (12 credits or 3 courses required)

May include Core Courses.

BU4110	Organizational Behavior and Management
BU5125	Management and Society
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

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 126.

MATHEMATICS, COMPUTER & INFORMATION SCIENCE (MATH/CIS)

Professor: Naresh N. Gupta, Lan Zhao

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

Assistant Professors: Yogesh More, David Ralston,

Visiting Instructor: Glenn Dodd

Director, Mathematics Learning Center: Meryl Altabet

Coordinator, Mathematics Redesign: Marianne Morea

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 language of the sciences: it is the foundation of fields ranging from weather forecasting to financial engineering. The study of mathematics develops one's ability to express one's thoughts clearly and precisely, to reason logically, and to analyze and solve problems algorithmically.

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 **computational mathematics** by appropriate selection of electives in consultation with their advisors. CIS majors may choose to specialize in **system software** or **information systems** or **computer and network security** by appropriate selection of courses in consultation with their advisors. MIS majors take a broad range of courses in CIS and business. 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 the College at 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 cost-cutting pressures and by the effects of downsizing, companies expect their new employees to be ready to start work and be productive.

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, Computer Networks, 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 C++ and Java. Students use LISP for the Artificial Intelligence course.

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. There is an active Association for Computing Machinery (ACM) Student Chapter in the department. The department regularly participates in the ACM Programming Contest and our students have performed competitively with students at New York metropolitan area colleges and universities.

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 tapping 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)

I. 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
or		
CS3911	C++ and Object-Oriented Programming	4
CS4100	Technical Communications	4
CS4501	Software Engineering	4
CS4550	Database Management Systems	4
CS5710	Computer Networks	4
CS5910	System Design & Implementation	4

2. Required Elective courses: 16 credits (4 courses)

Take any three of the following courses:

CS4400	Artificial Intelligence	4
CS4705	Computer Security	4
CS4710	Applied Cryptography	4
CS4720	Internet and Web Technologies	4
CS5610	Operating Systems	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
or		
MA4100	Number Theory	4

B. General Education Courses

Refer to the General Education 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 30,000 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 also often used to describe the role of those who manage these computer-based information systems. Within a large enterprise, the MIS department refers to a centrally administered system of computing expertise and management, including the enterprise's entire network of computing resources.

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. Since information systems in a networked environment are the mainstay of businesses for operational efficiency as well as management decision support, the MIS curriculum includes courses in database management, interactive multimedia design, computer networking, system design & implementation, and technical communications. MIS students also take an MIS topics course which introduces the practical aspects of building industrial-strength MIS systems through the use of real-life case studies. 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: 68 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
CS5710	Computer Networks	4
CS5910	System Design & Implementation	4

2. Business & Economics Courses: 24 credits (6 courses)

PE2420	Principles of Microeconomics	4
PE2430	Principles of Macroeconomics	4
BU3502	Principles of Accounting I	4
BU3511	Principles of Accounting II	4
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. General Education Courses

Refer to the General Education 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. General Education Courses

Refer to the General Education 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

Term	Mathematics Major	Mathematics Education Major	Computer and Information Science Major	Management Information Systems Major
1	MA2090	MA2310 MA3030	MA2090	PE2420 MA2080
2	MA2310 MA3030 CS2510	MA2320 MA3160 MA2500	CS2510 MA3030	PE2430 CS2510
3	MA2320 MA3160 MA3210	MA3330 MA3520 ED3900	CS2511 CS3620 MA2310	BU3502 MA3030 OR MA2300 CS2511
4	MA3330 MA3520	MA3210 MA4510 ED3742	CS3810 CS3911 MA3210	BU3511 CS3611 MA2000 OR MA3210
5	MA5120 MA4360	MA5120 ED4000	CS4501 CS4550 MA3160 OR MA4100	BU3800 CS4501 CS4550
6	MA5320	MA3180 MA5320 ED4230 ED4231	CS4100 Elective	CS4100 CS5710
7	Elective	ED4082 ED5890	CS5710 Elective	BU4100 CS5551
8	Elective	ED5900	CS5910 Elective	CS5910

Mathematics Minor

Refer to page 127 for information on the minor in Mathematics.

Double Majors in Middle Childhood and Adolescence Education Option

Special Notes: Consult School of Education for admission to the program and other requirements.

1. Minimum grade C or higher is required for all content courses.
2. Major Mathematics Requirements:
MA2310, MA2320, MA3030, MA3160, MA3180, MA3210, MA3330, MA3520, MA460, MA4510, MA5120, MA5320, CS2510.
3. Major Elective Math/CIS Courses from CS2511, CS3810, or any Mathematics courses at or above the 4000 level.
4. MA2500 is strongly recommended for General Education Western Tradition domain.

MEDIA AND COMMUNICATIONS

(AMERICAN STUDIES DEPARTMENT)

Distinguished Service Professor: Laura Anker

Professors: Aubrey Bonnett, Karl Grossman

Associate Professors: Amanda Frisken, John Friedman, Carol Quirke, Denton Watson

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

Instructors: Joseph Manfredi, Andrew Mattson, *Chair*

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. General Education

Refer to the General Education Bulletin for specific requirements.

B. Major Requirements

There are fourteen courses totaling 56 credits which include:

I. Knowledge of American Society (8 credits)

AS2112-AS2122 The American People I and II

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	Video Production
AS3255	TV Studio Production
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	Documentary Production
AS4870	TV: Advanced 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
VA2400	Intro to Photography
VA3380	Digital Video
VA3400	Digital Imaging
VA4242	Print Design
VA4260	Interactive Web Design
VA4265	3-D Digital Design
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 OWWR (Old Westbury Radio Station), The Catalyst (school newspaper) or TV studio.

AS4832	Internship in Journalism and Media
AS2812	Community Journalism Internship

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, 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 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

Distinguished Teaching Professor: Jesse Fernandez

Associate Professors: Sonia Assa, Zenaida Madurka, Chair; Kathleen O'Connor-Bater

Assistant Professors: Fernando Guerrero

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 5-9 and 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 ML 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.

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 College at 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 Chair well before the semester begins to apply for a Modern Languages Department internship.

Study Abroad programs in Spain, China 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 College at 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.

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. General Education:

Refer to the General Education Bulletin for specific requirements

B. Core Requirements:

20 Credits

ML2100	Intermediate Spanish Conversation I	4
ML2110	Intermediate Spanish Conversation II OR	4
ML2115	Business Spanish	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
ML 3260	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 OR	4
ML3510	Creative Writing	4

AND

ML4540	Latin American Culture & Literature: From the European Conquest to Independence OR	4
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 Chicano/a & Caribbean Cultural Studies	4
ML3410	Latino/a Writers in the US	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
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

Option II: Literature and Culture

A. General Education:

Refer to the General Education 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	4

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
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*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 Chicano/a & Caribbean 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 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 From Modernism to Contemporary Latin American Literature 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 choose to take an additional 4000 or 5000-level course instead of completing a senior seminar.

Majors must apply to receive the approval of a Modern Languages faculty advisor one semester in advance of registering for the Senior Seminar

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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

Distinguished Service Professor: Sachi G. Dastidar

Associate Professors: Carolyn Cocca, *Chair*; Thomas DelGiudice, Rebecca Kalmans, Laurence Krause

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

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 74). 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 of two of the five may count as upper division electives. 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.

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 General Education requirement (Refer to the General Education 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 Third World 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.

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 121-135

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.

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

Distinguished Service Professor: Minna Barrett

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

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

Assistant Professors: Kathleen P. Greenberg, Ashlee Lien, Lillian Park, Myeshia Price

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.

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

A. General Education

Refer to the General Education Bulletin for specific requirements.

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 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

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 the major.

E. College-Wide Requirements

1. 120 credits overall
2. 48 credits at Old Westbury (Residency Requirement)
3. 45 Upper-division credits
4. 92 Liberal Arts credits
5. Cumulative GPA of 2.0

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
- PY3610 Brain & Behavior
- PY3620 Mood, Mentation, & Medication

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

GROUP A ELECTIVES

Cognitive

- PY3410 Cognitive Psychology
- PY3420 Learning & Motivation
- PY3430 Psychology of Decision-Making and Judgment
- PY4410 Educational Psychology

Physiological

- PY3610 Brain & Behavior
- PY3620 Mood, Mentation, & Medication
- PY4230 The Psychobiology of Aging
- PY4610 Clinical Neuropsychology

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

PY2xxx Introduction to Human Development

PY3215 Foundations of Child Development

PY3230 Adulthood & Aging

PY3240 Practicum in Early Childhood

PY4210 The Exceptional Child

PY4420 Adolescent Development

PY4450 Infants & Toddlers

Social

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

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 42 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).
2. A maximum of 18 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

Professor: Martha Livingston, *Chair*

Assistant Professors: Fetsum Rahwa Haile, Shijian Lir

Visiting Assistant Professor: Lisa Chin

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, established in 2013 as an independent department, 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.

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

Important note: The Department of Public Health has applied to SUNY for a Bachelor of Science degree in Public Health, that when approved, will replace the current Bachelor of Science degree in Health and Society, which has always been best described as an undergraduate public health program.

In addition to College-wide requirements including General Education, 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. **Eight courses (nine courses if taking BS 2300-2310 or BS2400-BS2410)**
2. **Three Public Health electives**

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

Required Courses

32-36 credits

BS2100 Biology for Non-Majors

OR

BS2300-2310 Anatomy and Physiology I and II

OR

BS2400-BS2410 Basic Bio Sciences I and II

PH3600 Introduction to the Social Determinants of Health

PH3610 Introduction to the U.S. Health Care System

PH4670 Biostatistics

PH4800 Epidemiology

PH4900 Field Placement

PH5900 Research Methods

PH5920 Senior Seminar

Public Health 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 Promotion
PH4610	Women and Health
PH4631	Mental Health
PH4650	Substance Use and Abuse
PH4661	Health Education
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	International Health
PH4890	Environmental Policy and Politics
PH4920	Special Topics in Public Health
PE4430	Health Economics

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

Professor: Gilda Zwerman

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

Assistant Professors: Jillian Crocker, Peter Ikeler, Laura Limonic, Ryoko Yamamoto

Visiting Instructors: Rachel Kalish, Deirdre Caputo-Levine

The Department of Sociology offers two majors in sociology leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) Degree and in Criminology leading 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 understanding of the dynamics, principles and patterns that govern human interaction and social structure. At Old Westbury, students will learn the substantive knowledge, theories and methods of the discipline. Students exposed to sociology or criminology in this way are able to work independently to increase and clarify 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.

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. General Education

Refer to the General Education Bulletin for specific requirements.

grade of C- or better; and maintain a minimum 2.0 GPA in the major. The specific course requirements for the major are:

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

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)

SY2550	Social Problems
SY2600	Social Deviance
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
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
CR3200	Crime, Media and Culture
CR3910	Sociology of work
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

SY4950	Sociology of Music
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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 B+ 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 draws extensively from sociology. The major in criminology leads to the Bachelor of Science (B.S.) degree.

The Major offers students an understanding of crime and delinquency and evaluates the utility of various crime control methods, including legislative policies, policing, incarcerations, as well as preventive and restorative solutions. It is highly relevant to those seeking to advance in the fields of law enforcement, corrections, law and intelligence.

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

A total of 120 credits is required for the B.S. degree, including a minimum of 60 credits of liberal arts. A minimum grade of C- or higher is required for all courses counted toward the major. A minimum 2.0 GPA is required in the major.

A. General Education

Refer to the General Education Bulletin for specific requirements.

SY2600 Social Deviance
SY4270 Internship in Social Work, Sociology and Criminology
SY4810 Law and Justice

B. Major Requirements:

40 credits

I. Introductory Courses (2 courses)

8 credits

SY1500 Introductory Sociology
CR1500 Introduction to Criminology

2. Elective Courses (3 courses)

12 credits

CR2090 Juvenile Delinquency
CR3092 Victimology
CR3093 Criminal Justice Administration
CR3094 Drugs and Society
CR3200 Crime, Media and Culture
CR4000 Gender, Crime and Justice
CR4091 Punishment and Corrections
CR4099 Sociology of Violence
CR4999 Issues in Criminology

3. Foundation Courses (4 courses)

16 credits

SY4520 Research Methods I
SY4530 Sociological Theory I
SY4570 Research Methods II
CR4550 Theories of Crime

NOTE: SY4520 Research Methods I must be successfully completed before enrolling in SY4570 Research Methods II.

4. The Capstone Course

4 credits

SY5990 Senior Seminar

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

C. General Electives

Evening Students

While some courses may be offered in the evening, the full array of courses will only be available during the day. The major cannot, at this time, be completed in the evening.

Transfer Students

The Sociology Department permits the application of credits for up to three courses toward the major in Criminology with these limitations: Introductory Sociology and/or Introduction to Criminology may be transferred from colleges with which we have articulation agreements that include such an equivalent course. One additional course may be transferred to apply to the major electives, provided that it has been reviewed and deemed equivalent by a Sociology Department Faculty Advisor or students may use one transfer course to substitute for a foundation course if passed with a grade of B+ or better at an accredited four-year college or university. Exceptions to these rules will be considered in accordance with established department policies and procedures.

Special Requirements:

Senior Standing in Criminology 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, SY4570, and CR4550) 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 criminology, and have successfully completed SY 4520, Research Methods I, SY 4530 Sociological Theory I, CR 4550 Theories of Crime, and SY 4570 Research Methods II.

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

Distinguished Teaching Professor: Mac Adams

Associate Professors: Catherine Bernard, Chair; Christine Griffin, Patricia McLaughlin

Assistant Professors: Robert Gero, Patricia Harris

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 contemporary art context.

Recognizing that not all students are interested in becoming professional artists, the program will address two tracks. The difference will be reflected in the type of internships required for each student and the preparation of a written thesis for those students in a peripheral situation in relation to art-making. For art practitioners, the Senior Project consists of an exhibit in the Amelie A. Wallace Gallery. For others, a thesis paper is required to fulfill senior project credit.

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.

General Education 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 General Education requirement.

VA2000	Introduction to the Arts	VA2500	Art History I: 19th Century Art	VA3380	Digital Video
VA2010	Introduction to Creative Thinking	VA2510	Art History II: Modern Art: 1900-1945	VA3400	Digital Imaging
VA2020	Basic Design	VA2520	History of Photography	VA3440	Intro to African Arts
VA2030	Drawing	VA2550	History of Sculpture I	VA4260	Web Design
VA2045	Introduction to Color	VA2750	Sculpture I	VA4460	Digital Animation
VA2320	Graphic Design I	VA3100	Visual Culture - Warhol to the Present		
VA2400	Introduction to Photography	VA3350	Topics in Contemporary Art		
VA2460	Painting I				

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.

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 General Education 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. General Education

Refer to the General Education 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 average has to be maintained in all Visual Arts courses in order to continue with Art Tutorials II and Art Tutorials III. In addition, students must satisfy the Junior Review Panel's requirement in quality of work to maintain their status as Visual Arts majors.

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.

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 General Education 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. General Education

Refer to the General Education 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. In addition, students must satisfy the Junior Review Panel's requirement in quality of work to maintain their status as Visual Arts majors.

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.

VA 4900	Internship	4 cr.
VA 5900	Senior Project	4 cr.
	Art Elective	4 cr.

Required Electronic Media courses -16 cr.

Choose 4 courses from the following:

VA2320	Graphic Design I	4 cr.
VA3380	Digital Video	4 cr.
VA4260	Interactive Web Design	4 cr.
VA4460	Digital Animation	4 cr.
VA4265	3D Digital Design	4 cr.
VA4360	Advanced Electronic Media Seminar	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.

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 General Education 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. General Education

Refer to the General Education 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	3D Digital Design	4 cr.
VA4320	Graphic Design II	4 cr.
VA4360	Advanced Electronic Media Seminar	4 cr.
VA 3460	Painting II	4 cr.
VA4750	Sculpture II	4 cr.
VA Elective		4 cr.

WOMEN AND GENDER STUDIES PROGRAM

Director: Carol Quirke, American Studies

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; Amanda Frisken, AS; Jasmine Mitchell, AS; Carol Quirke, AS; Samara Smith, AS; Rita Colon Urban, BS; Judy Lloyd, CP; Linda Camarasana, EL; Jacqueline Emery, EL; Amara Graf, EL; Nicholas Powers, EL; Margaret Torrell, EL; Jessica Williams, EL; Edward Bever, HP; Maureen Feder-Marcus, HP; Sylvie Kande, HP; Cristina Notaro, HP, FYE; 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; Rebecca Kalmans, PEL; Fetsum-Rahwa Haile, PH; Shijian Li, PH; Martha Livingston, PH; Minna Barrett, PY; Kathy Greenberg, PY; Hedva Lewittes, PY; Ashlee Lien, PY; Laurette Morris, PY; Myeshia Price, PY; Lee Blackstone, SY; Jacob Heller, SY; Diana Papademas, SY; Ryoko Yamamoto, SY; Gilda Zwerman, SY; Tricia McLaughlin, VA; 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

Administration of the School of Business:

Dean of School of Business: Anthony Barbera

Assistant Dean of School of Business: Joel Feiner

Director of Graduate Studies: Rita Buttermilch

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

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

Department of Management, Marketing & Finance: Jishan Zhu, *Chair*

Mission:

The mission of the School of Business is to provide high quality education in a supportive learning community to a diverse student population thereby developing effective and ethical business professionals for a global environment.

Vision:

Our vision is to be a premier public school of business in the New York metropolitan area, recognized for the quality of its faculty, reputation of its academic programs and known for its commitment to diversity and success of its graduates.

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 4:40 p.m. to 10:00 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 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 General Education 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 128 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 48 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 in Accounting or Business Administration, 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

Associate Professors: Rita Buttermilch, James Fornaro, Peter Lucido, Chair; Kenneth Winkelman

Assistant Professors: Anthony Barbera, Wen-Wen (Erica) Chien, Jeffrey D'Amico, Linval Frazer,
David Glodstein, Cary Lange, 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.

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

A. General Education and Freshman Seminar

B. Courses in Accounting and Business

Accounting Courses Required:

BU3502	Principles of Accounting I
BU3511	Principles of Accounting II
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 38 cr.

Business Courses Required:

MA2000	Applied Statistics
BU3600	Principles of Business Law (2 cr.)

BU3605	Intermediate Business Law (2cr.)
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	68 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 (2cr.)

D. Business or Liberal Arts Electives

TOTAL CREDITS REQUIRED 128 CR.

Combined B.S./M.S. in Accounting Curriculum

A. General Education

B. Courses in Accounting and Business

Accounting Courses Required:

BU3502	Principles of Accounting I
BU3511	Principles of Accounting II
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 32 cr.

Business Courses Required:

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

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 (2cr.)
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	Taxation Elective
BU7xxx	Business Elective

Total Graduate Credits in Accounting 30 cr

TOTAL CREDITS REQUIRED MINIMUM 150 CR.

Combined BS/MS in Taxation Curriculum

A General Education

B. Courses in Accounting and Business

Accounting Courses Required:

BU3502	Principles of Accounting I
BU3511	Principles of Accounting II
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 34 cr.

Business Courses Required:

BU3600	Principles of Business Law (2 cr.)
BU3605	Intermediate Business Law (2cr.)
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 (2cr.)
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

Professors: Madeline Crocitto, Barbara Olsen, Patrick O'Sullivan

Associate Professors: Alireza Ebrahimi, Costas Hadjicharalambous, Albert Murphy, Zhihong Shi, Lynn Walsh

Assistant Professors: , Shalei Simms, Elena Smirnova, Jishan Zhu, *Chair*

Visiting Assistant Professor: Michael Onorato

The Department of Management, Marketing, and Finance offers a Bachelor of Science degree in Business Administration with specializations in Finance, Marketing, Management and General Business. The department is committed to providing a 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 divided into two parts: a common core of business courses and a set of elective courses in specialized areas of business administration. The business administration core is designed to provide a broad foundation in the functional areas of business. These courses embody both the disciplinary and multidisciplinary perspectives within each area, while providing the cognitive and analytical competencies that will be utilized in the specialized areas of the curriculum.

The objective of the Finance specialization is to develop a student's analytical skills in the area of financial and economic analysis, and to enable a better understanding of the interdependence among financial markets and their impact on domestic and international economies. The program of study blends theory, current financial practice, analytical reasoning and computing.

The primary objective of the Marketing specialization is to enable students to acquire analytical and communication skills in sales, marketing, and distribution in preparation for entry into today's dynamic marketing environment. The marketing curriculum provides students with an understanding of how the marketing function is integrated with the other functional areas within a business organization and how it operates within a global market environment. Specifically, students learn about the importance of branding, channels of distribution, pricing strategies, and global marketing. Students are trained for positions in sales management, advertising, market research and marketing management.

The Management specialization is designed to provide students with 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 strong foundation in the functional areas of business and with the necessary theories and interpersonal skills to assume positions of responsibility in a variety of industries, organizational types and/or functional areas.

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

A. General Education & Freshman Seminar

B. Business Core:

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
BU3511	Accounting II
BU3600	Principles Business Law (2crs)
BU3800	Marketing: Principles & Concepts
BU3905	Business Communication (2cr.)
BU4110	Organizational Behavior & Management
BU4762	Financial Management
BU5115	Operations Management
BU5190	Business Strategy & Policy

52 cr.

C. Students must choose one of the following specializations:

Management Specialization (4 courses w/12 credits minimum at OW)

BU4120	Global Business
BU5171	Human Resource Management
BU5120	Entrepreneurship
<i>Select one of the following</i>	
BU5125	Business Ethics
BU5195	Management Seminar
BU4035	Web Systems & E-Commerce

Finance Specialization (4 courses w/12 credits minimum at OW)

BU5771	Global Financial Markets
BU4774	Financial Market & Institutions
BU5740	Investment Management & Security Analysis
<i>Select one of the following</i>	
BU5760	Corporate Finance
BU5789	Futures & Options

**Marketing Specialization (4 courses w/12 credits
minimum at OW)**

BU5820 International Marketing

BU5800 Marketing Research

BU5851 Consumer Behavior

Select one of the following

BU5880 Brand Theory & Strategy

BU5891 Marketing Seminar

**General Business Specialization (4 courses w/12 credits
minimum at OW)**

BUxxxx Global Course (Business/Marketing/Finance)

BU5171 Human Resource Management

BU5851 Consumer Behavior

BU4774 Financial Market & Institutions

DEPARTMENTAL REQUIREMENTS 68 CR.

D. General Electives

TOTAL CREDITS REQUIRED 120 CR.

SCHOOL OF EDUCATION

Administration of the School of Education:

Interim Dean of the School of Education: Julio C. González Martínez
Assistant Dean for Data Management and Assessment: Joshua Fyman
Director of Field Experiences: Vincent Juba
Director of Academic Support Services: Monika Wiebke
Technology Coordinator: Raul Zevallos
Childhood Education and Literacy Department: Amy Hsu, *Chair*
Exceptional Education and Learning Department: Diana Sukhram, *Chair*
Adolescence Education Department: Xavier Marechaux, *Chair*

The School of Education at SUNY College at 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, 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 five transition points as they are admitted to and progress through the program. These requirements are summarized in the chart below. Further details about these requirements may be found in this catalog and in publications available from the School of Education.

Candidate Transition Assessment System (CTAS)

TRANSITION POINT	REQUIREMENTS
<p>#1 Admission to the SOE</p> <p>APPLICATION REQUIRED</p>	<ul style="list-style-type: none"> • Completion of 48 credits • GPA \geq 3.0 • Content GPA \geq3.0 (Adolescence Education) • C or better in MA1020 or equivalent • C or better in EL1000, EL22XX • Completed Disposition Survey • Passing Score on the Focused Writing Sample
<p>#2 Admission to Observation and Field Experience</p> <p>APPLICATION REQUIRED</p>	<ul style="list-style-type: none"> • Overall and Content GPA \geq 3.0 Childhood and Exceptional Ed • Overall Concentration and Major GPA each \geq 3.0 Middle Childhood and Adolescence Education • Complete a set of foundation education courses with average grade of B or better • Completed benchmark assessments in foundation courses
<p>#3 Admission to Student Teaching</p> <p>APPLICATION REQUIRED</p>	<ul style="list-style-type: none"> • Overall and Content GPA \geq 3.0 (Childhood and Exceptional Ed) • Overall Concentration and Major GPA each \geq 3.0 (Adolescence Education) • ED GPA \geq 3.0 (All majors) • Completion of all course work • Completed Disposition Survey • Completion of benchmark assessments in Methods courses • Completion of ED5890 or 5930 with a grade of B or better • Grade of B or better in ED408X (Adolescence Education)
<p>#4 Program Completion</p> <p>APPLICATION REQUIRED</p>	<ul style="list-style-type: none"> • Completion of all required coursework with GPA \geq 3.0 (All majors) • Major and concentration GPA each \geq 3.0 (Secondary Education) • GPA in education coursework \geq 3.0 (All majors) • Grade of B or better in Student Teaching • Completed Disposition Survey • Successful completion of all program-specific SPA assessments • Exit Survey
<p>#5 New York State Education Department Certification</p> <p>APPLICATION REQUIRED</p>	<ul style="list-style-type: none"> • Academic Literacy Skills Test (ALST) • Educating all Students Test (EAS) • edTPA • Content Specialty Test(s) • Child Abuse and Neglect Workshop • Dignity for all Students Act Workshop • School Violence Prevention and Intervention Workshop • Fingerprinting

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.

Evening Students

Every effort is made to offer 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 students may find that they will need more than four years to complete all requirements.

Grades of D:

D grades are not accepted for any courses.

Credit/No Credit Option:

The Credit/No Credit option is not permitted for any general education, concentration courses or program requirements.

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.

General Education Requirements

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

- An upper division literature course in English to satisfy the "Humanities" requirement
- A second course in U.S. history
- 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 30 credits in a disciplinary concentration in the liberal arts and sciences and must maintain a 3.0 GPA.

CHILDHOOD EDUCATION

Associate Professor: Kathleen Velsor, Amy Hsu

Assistant Professor: Stephanie Schneider

Visiting Instructor: Silvia M. Rey, Josefa Pace

Requirements for the Majors

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

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. 32 credits in required Education courses:

- ED3700 Child Development & Practicum for Teachers
- ED4000 Foundations of Special Education
- ED3900 Foundations of Education
- ED4120 Methods & Materials of Teaching Mathematics, Science, and Technology in the Elementary Classroom
- ED4200 Foundations of Reading I
- ED4220 Teaching Reading II

ED4740 Interdisciplinary Instructional Strategies

And one of the following three courses:

- ED3660 Issues in Multicultural Education
- or**
- ED3600 Puerto Rican and Other Hispanic Children
- or**
- ED3650 Foundations of Bilingual/Multicultural Education

D. 16 credits in required field experiences:

- ED5930 Observation, Practicum & Seminar
- ED5940 Student Teaching & Seminar

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 Bilingual Education must demonstrate proficiency in the use of grammar, punctuation and syntax in English and Spanish and demonstrate oral communications skills in both languages.

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. 40 credits in required Education courses:

- ED3600 Puerto Rican and Other Hispanic Children
- ED3650 Foundations of Bilingual/Multicultural Education
- ED3700 Child Development and Practicum for Teachers
- ED4000 Foundations of Special Education
- ED3900 Foundations of Education
- ED4120B Methods & Materials of Teaching Mathematics, Science & Technology in the Bilingual Classroom

- ED4200 Foundations of Reading I
- ED4220B Teaching Reading II (Bilingual)
- ED4670 Methods & Materials of Teaching English as a Second Language

ED4740B Interdisciplinary Instructional Strategies in the Bilingual Classroom

D. 16 credits in required field experiences:

- ED5930 Observation, Practicum & Seminar
- ED5940B Student Teaching in a Bilingual Classroom & Seminar

EXCEPTIONAL EDUCATION AND LEARNING

Professor: Hedva Lewittes

Associate Professor: Julio González Martínez, Sanja Cale

Assistant Professors: Diana Sukhram

Visiting Instructor: Salvatore DeLuca

Bachelor of Science (B.S.) 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 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. 28 credits in Childhood Education courses:

- ED3700 Child Development & Practicum for Teachers
- ED3900 Foundations of Education
- ED4120 Methods & Materials of Teaching Mathematics, Science, and Technology in the Elementary Classroom
- ED4200 Foundations of Reading I

- ED4220 Teaching Reading II
- ED4740 Interdisciplinary Instructional Strategies

And one of the following three courses:

- ED3600 Puerto Rican and Other Hispanic Children
- ED3650 Foundations of Bilingual/Multicultural Education
- ED3660 Issues in Multicultural Education;

D. 20 credits in required Exceptional Education courses:

- ED4000 Foundations of Special Education
- ED4300 The Student with Learning Disabilities
- ED4810 The Student with Emotional and Behavioral Disabilities
- ED4850 Curriculum & Materials for Teaching the Student with Learning Disabilities
- ED4890 The Student with Developmental Disabilities: Overview, Theories, and Practices

E. 16 credits in required field experiences:

- ED5930 Observation & Seminar
- ED5960 Student Teaching & Seminar

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 with a Bilingual Extension are required to demonstrate proficiency in the use of grammar, punctuation and syntax in English and Spanish and to demonstrate oral communications skills in both languages.

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. 36 credits in Childhood Education courses:

- ED3600 Puerto Rican & Other Hispanic Children
- ED3650 Foundations of Bilingual/Multicultural Education
- ED3700 Child Development & Practicum for Teachers
- ED3900 Foundations of Education
- ED4120B Methods & Materials of Teaching Mathematics, Science, and Technology in the Bilingual Classroom
- ED4200 Foundations of Reading I

- ED4220B Teaching Reading II (Bilingual)
- ED4670 Methods & Materials of Teaching English as a Second Language
- ED4740B Interdisciplinary Instructional Strategies in the Bilingual Classroom

D. 20 credits in required Exceptional Education courses:

- ED4000 Foundations of Special Education
- ED4300 The Student with Learning Disabilities
- ED4810 The Student with Emotional and Behavioral Disabilities
- ED4850 Curriculum & Materials for Teaching the Student with Learning Disabilities
- ED4890 The Student with Developmental Disabilities: Overview, Theories and Practices

E. 16 credits in required field experiences:

- ED5930 Observation, Practicum & Seminar
- ED5960B Student Teaching and Seminar

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 3 courses at the 2000 level; at least 3 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
- AS3462 History of Women in the U.S.
- AS3640 U.S. Latina/o History
- 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

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

- HI4632 Japanese History
- HI4900 Modern China [study abroad]
- HI4905 Chinese Civilization

South Asia

- HI4800 History of India
- PE4660 Politics of India and the Region

Middle East

- HI3835 Islamic Cultures
- HI4304 Golden Age of Islam

Latin America

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

4. One course (4 credits) on Global Perspectives, Trans-regional Connections, or Historiography:

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/20th centuries
- HI4910 Chinese Diaspora

Historiography:

- HI4062 Making History

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 th Century	4 cr.
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AND

Two upper-division electives in PES	8 cr.
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Spanish Language, Hispanic Literature and Culture Concentration

Students pursuing the 8 course Spanish concentration may start at either Basic Spanish II or at one of the Intermediate Spanish courses by advisement from a Modern Languages faculty member. The 8 courses must include at least ONE 4000 level course on Spain and ONE 4000 level course on Latin America.

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 three of the following courses at the 2000 level. At least 3 courses must be at the 4000/5000 level.

The core: 3 required courses distributed as follows from the courses listed below: 12 cr.

The Heritage of the West (choose one)

HI2521	World History II: Western Civilization
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)

HI2511	World History I: Non-Western
HI3080	Asian Cultures
HI3091	African Cultures
HI3110	Latin American Culture
HI3835	Islamic Cultures

Methodological (Interdisciplinary, disciplinary, cross-cultural)/Convergence (choose one)

HI2720	Introduction to Philosophy
HI3040	Analysis of Culture
HI3052	Anatomy of Science
HI4001	Nineteenth Century
HI4011	Twentieth Century
HI4062	Making History

Electives

20 cr.

Any 5 courses with HI prefix. Guidelines as to levels must be followed (see above).

ADOLESCENCE EDUCATION – SCIENCE

Coordinator: 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 the College at 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.

ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED5890 Pre-teaching Practicum & Seminar
ED5900 Student Teaching & Seminar in Adolescence Education (grades 7-12)

B. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3900 Foundations of Education
ED4000 Foundations of Special Education
ED4085 Methods and Materials of Teaching Science in Secondary School

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.

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 the College at 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.

ED4085 Methods and Materials of Teaching Science in Secondary School
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED4740 Interdisciplinary Instructional Strategies
ED5890 Pre-teaching Practicum & Seminar
ED5910 Student Teaching & Seminar in Middle Childhood Education (grades 5-9)

B. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3900 Foundations of Education
ED4000 Foundations of Special Education

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.

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 the College at 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 64-65 of this catalog for details.

B. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3900 Foundations of Education
ED4000 Foundations of Special Education

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.

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 the College at 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 64-65 of this catalog for details.

B. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

CP2050 The Nature and Development of Science
ED3742 Middle Childhood & Adolescence
ED3900 Foundations of Education
ED4000 Foundations of Special Education

ED4085 Methods and Materials of Teaching Science in Secondary School
ED4230 Reading Across the Curriculum
ED4231 Reading Practicum
ED4740 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.

ADOLESCENCE EDUCATION – MATHEMATICS

Coordinator: 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 the College at 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. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

ED3742	Middle Childhood & Adolescence
ED3900	Foundations of Education
ED4000	Foundations of Special Education
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. A grade of C or higher is required in all mathematics courses, whether taken at Old Westbury or other institutions.

D. 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.

Bachelor of Science (B.S.) Degree in Middle Childhood Education Mathematics - Grades 5-9

Candidates successfully completing this program of study are recommended by the College at 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	Advanced Calculus I

B. General Education Courses

Students must complete all requirements of the Old Westbury General Education program.

C. Education Core Courses

ED3742	Middle Childhood & Adolescence
ED4000	Foundations of Special Education
ED3900	Foundations of Education
ED4230	Reading Across the Curriculum
ED4231	Reading Practicum
ED4740	Interdisciplinary Instructional Strategies
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)

mathematics courses, whether taken at Old Westbury or other institutions.

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. A grade of C or higher is required in all

D. 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.

ADOLESCENCE EDUCATION – SOCIAL STUDIES

Coordinator: 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 the College at 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 of the options of the BA degree in History, Track II (Social Studies). See pages 71-72 of this catalog for details.

B. General Education Courses

Students must complete requirements of the Old Westbury General Education program.

C. Education Core Courses

ED3742 Middle Childhood & Adolescence
ED3900 Foundations of Education
ED4000 Foundations of Special Education
ED4230 Reading Across the Curriculum
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)

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.

ADOLESCENCE EDUCATION - SPANISH

Coordinator: Fran Malkin

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 the College at 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 84-85 of this catalog for details.

B. General Education Courses

Students must complete requirements of the Old Westbury General Education program.

C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED3900 Foundations of Education
- ED4000 Foundations of Special Education
- ED4230 Reading Across the Curriculum
- ED4231 Reading Practicum
- 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)

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.

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 the College at 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 84-85 of this catalog for details.

B. General Education Courses

Students must complete requirements of the Old Westbury General Education program.

C. Education Core Courses

- ED3742 Middle Childhood & Adolescence
- ED4000 Foundations of Special Education
- ED3900 Foundations of Education
- ED4230 Reading Across the Curriculum

- ED4231 Reading Practicum
- ED4740 Interdisciplinary Instructional Strategies
- 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.