



2003–2005

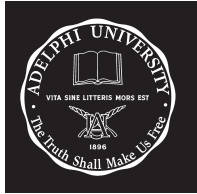
Undergraduate Bulletin



ADELPHI
UNIVERSITY

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HAUPPAUGE ■ GARDEN CITY ■ MANHATTAN



U N D E R G R A D U A T E

B U L L E T I N

2003-2005

ADELPHI UNIVERSITY UNDERGRADUATE BULLETIN, VOLUME 44, SEPTEMBER 2003

ACCREDITATION

Adelphi University, an independent, comprehensive institution, is chartered by the University of the State of New York, and is accredited by the Middle States Association of Colleges and Schools; the New York State Education Department; the National League for Nursing Accrediting Commission (61 Broadway, New York, New York 10006, (212) 363-5555); the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791 (the baccalaureate degree program in nursing); the American Psychological Association; the American Speech-Language-Hearing Association; and the Council on Social Work Education. It is a member of the College Board and the Association of American Colleges/Universities.

HEGIS CODE DESIGNATION

("HEGIS" stands for Higher Education General Information Survey.)

Federal and state regulations require that students be advised that enrollment in other than registered or otherwise approved programs may jeopardize their eligibility for certain student aid awards. All of the programs listed in this *Bulletin* with HEGIS codes have been registered and approved. Consult an academic counselor in the Office of Academic Attainment for current status.

The information in this *Undergraduate Bulletin* was prepared as of July 30, 2003. Provisions of this publication are not to be regarded as an irrevocable contract between the student and Adelphi University. The University reserves the right to make changes in its course offerings, degree requirements, regulations and procedures, and fees and expenses, as educational and financial considerations require.

EQUAL OPPORTUNITY

Adelphi University is committed to extending equal opportunity in employment and educational programs and activities to all qualified individuals and does not discriminate on the basis of race, religion, age, color, creed, sex, marital status, sexual orientation, ethnicity, national origin, disability, genetic predisposition or carrier status, veteran status, status as a disabled or Vietnam-Era veteran, or any other basis protected by applicable local, state, or federal laws. The discrimination coordinator for student concerns pursuant to Section 504 of the Rehabilitation Act of 1973 is Carol Phelan, Coordinator of Disability Services, Room 310, University Center; (516) 877-3145; the discrimination coordinator for employee concerns pursuant to Section 504 of the Rehabilitation Act of 1973 and for Title IX concerns is Jane Fisher, Manager, Employment, Employee, and Labor Relations, Room 203, Levermore Hall, (516) 877-3222; the coordinator of Title VII and the Affirmative Action Officer is Lisa S. Araujo, Assistant Vice President for Human Resources and Labor Relations, Room 203, Levermore Hall, (516) 877-3224.

About This Book

This *Bulletin* presents essential information about undergraduate study at Adelphi University. At the beginning of this *Bulletin* we describe our educational philosophy and mission and touch on some of the highlights of University and student life. This introduction is followed by a description of our undergraduate academic programs and courses in the College of Arts and Sciences, the Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS), the Honors College, the School of Business, the School of Education, the School of Nursing, and the School of Social Work. Next follows an overview of student resources, application procedures, information about our tuition and fees, and our University rules and regulations. Last, we list faculty, recent honorary degree recipients, the Board of Trustees, and Officers of Administration.

The *Bulletin* is a guide to the resources of the University and a summary of the exciting intellectual opportunities that the University provides students and members of the community.

The contents of this Bulletin are subject to change at the discretion of the University.

Useful Phone Numbers (Area Code 516)

ADELPHI UNIVERSITY

Admissions	877-3050
(for applications and publications)	1-800-ADELPHI (Out-of-area)
Center for Career Development	877-3130
Residential Life and Housing	877-3650
Student Life	877-3660
Student Financial Services	877-3080
Swirbul Library	877-3570
University Operator (for additional numbers)	877-3000

SCHOOLS AND COLLEGES OF THE UNIVERSITY

College of Arts and Sciences	877-4120
School of Business	877-4600
Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS)	877-4750
Honors College	877-3800
School of Education	877-4100
School of Nursing	877-4526
School of Social Work	877-4362

SPECIAL PROGRAMS

ABLE (Adult Baccalaureate Learning Experience)	877-3400
General Studies	877-3440
Learning Disabilities	877-4710

OFF-CAMPUS CENTERS

Hauppauge Center	(631) 300-4350
Manhattan Center	(212) 965-8340
Hudson Valley Site	(845) 471-3348

WORLD WIDE WEB	www.adelphi.edu
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Address written correspondence to the appropriate office or department at Adelphi University, Garden City, New York 11530.

The courses listed in this *Bulletin* do not necessarily represent all the courses taught by each school or department. A complete list of course offerings with descriptions is available by request to the individual school or department.

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Academic Calendar 2003–2004

Fall 2003

Monday, September 1
Labor Day (no classes)

Wednesday, September 3
Classes Begin

Friday, September 12
Last Day to Add a Course
Late Registration Ends

Friday, September 26
Holiday Observance (no classes to begin after 3:00 p.m.)

Saturday, September 27 – Sunday, September 28
Holiday Observance (no classes)

Monday, September 29
Classes Resume
Last Day to Drop a Course
Last Day to Change Grading Option
Final Date for Submission of Graduation Application for January 2004

Sunday, October 5 – Monday, October 6
Holiday Observance (no classes)

Tuesday, October 7
Classes Resume

Wednesday, October 8
Monday Make-up Classes for 10/6
No Wednesday Classes Held

Friday, October 17
Last Day to Submit Graduation Applications for May 2004 (to have name appear in book)

Monday, October 20 – Friday, October 24
Midpoint of the Semester

Saturday, October 25
Friday 1/2 Day Make-up Class for 9/26
Saturday classes will be held

Friday, October 31
Last Day to Withdraw from a Course

Thursday, November 27 – Sunday, November 30
Thanksgiving Recess

Monday, December 1
Classes Resume

Monday, December 15 – Tuesday, December 16
Emergency/Study Days

Wednesday, December 17 – Tuesday, December 23
Final Exam Week

Tuesday, December 23
Last Day of Classes

Spring 2004

Thursday, January 22
Classes Begin

Friday, January 30
Last Day to Add a Course
Late Registration Ends
Final Date for Submission of Graduation Applications for May 2004

Friday, February 13
Last Day to Drop a Course
Last Day to Change Grading Option

Friday, March 19
Last Day to Withdraw from a Course

Monday, April 5 – Sunday, April 11
Spring Break

Monday, April 12
Classes Resume

Thursday, May 6 – Friday, May 7
Emergency/Study Days

Saturday, May 8 – Friday, May 14
Final Exam Week

Friday, May 14
Last Day of Classes

Sunday, May 16
Commencement

Summer 2004

First Session

Monday, May 24

Summer I Classes Begin

Friday, May 28

Last Day to Add a Course

Late Registration Ends

Monday, May 31

Memorial Day Observed

Tuesday, June 1

Classes Resume

Friday, June 4

Last Day to Drop a Course

Last Day to Change Grading Option

Friday, June 11

Last Day to Withdraw from a Course

Final Date for Submission of Graduation

Application for August 2004

Sunday, June 27

Summer I Classes End

Second Session

Sunday, July 4

Independence Day

Tuesday, July 6

Summer II Classes Begin

Friday, July 9

Last Day to Add a Course

Late Registration Ends

Friday, July 16

Last Day to Drop a Course

Last Day to Change Grading Option

Friday, July 23

Last Day to Withdraw from a Course

Sunday, August 8

Summer II Classes End

Academic Calendar 2004–2005*

Fall 2004

Saturday, August 28
Classes Begin

Saturday, September 4 – Monday, September 6
Labor Day Weekend (no classes)

Friday, September 10
Late Registration Ends
Last Day to Add a Class

Wednesday, September 15
No classes to be held prior to 3:00 p.m.
Rosh Hashanah (no classes to begin after 3:00 p.m.)

Thursday, September 16 – Friday, September 17
Rosh Hashanah (no classes)

Friday, September 24
Yom Kippur (no classes to begin after 3:00 p.m.)

Saturday, September 25
Yom Kippur (no classes)

Monday, September 27
Last Day to Drop a Course
Last Day to Change Grading Option
Final Date for Submission of Graduation Application for January 2005

Tuesday, October 5
Friday Make-up Classes for 9/17
No Tuesday Classes Held

Friday, October 15
Last Day to Submit Graduation Application for May 2005 (to have name appear in book)

Monday, October 18 – Friday, October 22
Midpoint of the Semester

Friday, October 29
Last Day to Withdraw from a Course

Wednesday, November 24

Friday Make-up for classes that begin after 3:00 p.m. on 9/24 – no Wednesday classes held

Thursday, November 25 – Sunday, November 28
Thanksgiving Break (no classes)

Monday, December 13 – Tuesday, December 14
Emergency/Study Days

Friday, December 17 – Thursday, December 23
Finals Week

Thursday, December 23
Last Day of Classes

Spring 2005

Wednesday, January 19
Classes Begin

Friday, January 28
Late Registration Ends
Last Day to Add a Course
Final Date for Submission of Graduation Applications for May 2005

Friday, February 11
Last Day to Drop a Course
Last Day to Change Grading Option

Friday, March 18
Last Day to Withdraw from a Course

Monday, March 21 – Sunday, March 27
Spring Break

Saturday, April 23
Passover (no classes to begin after 3:00 p.m.)

Sunday, April 24 – Monday, April 25
Passover (no classes)

Wednesday, May 4
Monday Make-up for 4/25 (no Wednesday classes)

Thursday, May 5 – Friday, May 6
Emergency/Study Days

*Calendar subject to change.

Sunday, May 8 – Saturday, May 14
Final Exam Week

Sunday, May 15
Commencement

Summer 2005

First Session

Tuesday, May 31
Summer I Classes Begin

Friday, June 3
Late Registration Ends
Last Day to Add a Course

Friday, June 10
Last Day to Drop a Course
Last Day to Change Grading Option

Friday, June 17
Last Day to Withdraw from a Course
Final Date for Submission of Graduation
Applications for August 2005

Sunday, July 3
Summer I Classes End

Second Session

Tuesday, July 5
Summer II Classes Begin

Friday, July 8
Late Registration Ends
Last Day to Add a Course

Friday, July 15
Last Day to Drop a Course
Last Day to Change Grading Option

Friday, July 22
Last Day to Withdraw from a Course

Sunday, August 7
Summer II Classes End

AN ADELPHI
EDUCATION

Adelphi University: Uniting Liberal Arts and Professional Preparation

Adelphi University has been built on the fundamental principles of transmitting knowledge, transforming minds, and empowering students to thrive in their lives and their professions.

As a result, Adelphi's undergraduates emerge with excellent practical preparation for graduate study and careers in medicine, law, business, the arts and sciences, nursing, education, and social work. In addition to direct practical training, Adelphi offers students a strong foundation through broad requirements in the arts and sciences.

The Adelphi educational approach unifies the many aspects of this lively and distinguished center for liberal and professional learning. It is intended not just for some students but for all: for undergraduates and graduates; for those studying the liberal arts and sciences in the College of Arts and Sciences; for those pursuing specific career preparation in Adelphi's professional schools and joint degree programs; for nontraditional students seeking access to higher levels of learning through the General Studies program and the ABLE program for adults; and for students of exceptional promise in the Honors College. All of the particular activities that take place at Adelphi—in the classroom, in the laboratory, on the playing field, and in the residence hall—contribute to the education of the whole individual in preparation for a lifetime of learning. This is the hallmark of an Adelphi education—our students find it embodied in their dedicated faculty, who work with students in small classes and one-on-one to help them achieve their best in the classroom, their future lives, and careers.

There are eight schools at Adelphi: the College of Arts and Sciences, the Honors College, the School of Education, the School of Business, the School of Nursing, the School of Social Work, the Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS), and University College. Each school's individual programs of study are shaped and infused by the belief that professional or disciplinary expertise gains meaning and force in the context of full intellectual development. Each school's faculty has been chosen to meet the twin standards of professional excellence and superb teaching. With a student/faculty ratio of 14:1, Adelphi students are educated by a full-time faculty of 225 that includes internationally renowned scholars, scientists, artists, and critics.

Adelphi promotes its students' intellectual development by assigning to each first-year student a University adviser, a faculty member who serves as an intellectual model, advocate, and adviser. Additional support for learning comes from departmental advisers, for those students who have declared a major, and from the Office of Academic Services and Retention, which monitors, counsels, and assists students in their academic progress.

Students at Adelphi further their development in a wide array of extracurricular activities, including athletic programs, student newspapers and magazines, and clubs, societies, fraternities, and sororities. With an ethnically diverse student body of 7,900 undergraduate and graduate students, Adelphi provides a cosmopolitan atmosphere conducive to intellectual questioning, surprise, and growth. That growth is also stimulated by the accessibility of nearby New York City, which in its cultural richness and social complexity provides a real-world laboratory for students' exploration of the modern world.

The pages that follow present in greater detail the many facets of undergraduate life and learning at Adelphi University.

A Brief History of Adelphi University

Adelphi University's roots reach back to 1863 and the founding of the Adelphi Academy, a private preparatory school located at 412 Adelphi Street, Brooklyn, New York. The Academy was incorporated in 1869 and its Board of Trustees was charged with establishing "a first class institution for the broadest and most thorough training, and to make its advantages as accessible as possible to the largest numbers of our population." The school quickly gained a reputation for its innovative curriculum, particularly in physical culture and early childhood education. By 1893, 1,032 students were enrolled in its primary, grammar, three-year subcollegiate and two-year collegiate division.

The appointment of Dr. Charles H. Levermore as the head of the Academy in 1893 was an important moment in Adelphi's history. Realizing the city of Brooklyn was without a liberal arts college, Levermore seized the opportunity to establish Adelphi College. Through the efforts of Timothy Woodruff, former Lieutenant Governor of New York State and future president of the Board of Trustees, Adelphi College, with 57 students and 16 instructors, was granted a charter—one of the earliest charters granted to a co-educational college by the Board of Regents of the State of New York—on June 24, 1895. Henceforth, degrees issued bore the seals of Adelphi College and of the University of the State of New York and were signed by the officers of the college and by the Chancellor and the Secretary of the University. For the next 25 years, the Academy remained intact yet separate from the College.

Over the course of the next one hundred years Adelphi grew and changed significantly.

For more than three decades following 1912, the institution served only women. In 1944, Adelphi's school of Nursing became the first such school established by a college in New York State in response to the pressing need for nurses created by the United States' entry into World War II. To mark the opening of two federally funded residence halls for women, First Lady Eleanor Roosevelt delivered an address at Adelphi entitled, "The Challenge of Nursing for Young Women Today." Within five years, the School—one of the largest college-units of the United States Cadet Nurse Corps—graduated 500 nursing students into active service in the Corps and expanded the College's enrollment by 1,200 students.

After the war, Adelphi reverted to its original coeducational model to accommodate returning World War II servicemen. The School of Social Work was founded in 1949; doctoral education followed in 1950. Adelphi's program in clinical psychology was formally organized in 1952 and evolved into the Gordon F. Derner Institute of Advanced Psychological Studies, which has the distinction of being the first university-based graduate school in psychotherapy.

In 1963, after another decade of expansion, Adelphi was granted university status by the Board of Regents. The Garden City campus, established in 1929, has expanded from its original three buildings—Blodgett, Levermore, and Woodruff Halls—to 24 buildings on 75 acres, including the Leon A. Swirbul Library, now a fully computerized collection of more than 1.7 million volumes and microformat and audiovisual items.

Today, Adelphi University's colleges and schools include the College of Arts and Sciences, the Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS), the Honors College, the School of Business, the School of Education, the School of Nursing, and

the School of Social Work. Uniting these diverse liberal arts and professional programs is their shared tradition of academic innovation and rigor and their common philosophy of education and lifetime learning.

While focusing its rich resources on the needs of its students, Adelphi also seeks to serve its locality, state, and nation through the

research and practice of its faculty; the strengthening of ties between the professional schools and community; the staging of distinguished cultural events at its campuses; and most essentially, the education of a generation of future leaders and informed citizens, professionals, and community members.

Office of Academic Services and Retention

Adelphi University recognizes that each student is an individual, taking a distinct path to intellectual fulfillment and life goals. One of the offices dedicated to students is the Office of Academic Services and Retention. Here, students' academic progress is closely monitored to ensure that each student is treated as an individual, with individual talents, strengths, and difficulties. The Office oversees undergraduate advisement and each student's academic progress through its early warning system, and assists each academic unit in their academic services and support for students.

The Office of Academic Services and Retention also provides Adelphi's students with the Learning Center where students come for tutoring, consultation on academic work, and help with extra study.

Colleges and Schools of the University

College of Arts and Sciences

The College of Arts and Sciences is proud of its distinguished tradition of commitment to liberal learning. The renewed emphasis of present-day educators on the liberal arts reflects the long-held belief that a liberal education best promotes intellectual development and ethical purpose while offering students the greatest number of opportunities, both in work and in life. It is the College's aim to cultivate insight, effective expression, and the ability to discriminate by means of critical thinking and sound judgment. Instruction in the College proposes to foster a skeptical and seriously curious cast of mind, and the resourcefulness indispensable to self-realization and leadership.

Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS)

The Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS) is the first nationally recognized professional school in psychology. The Institute offers a B.A. in psychology, a Ph.D. degree in clinical psychology, accredited by the American Psychological Association, as well as a respecialization program for those Ph.D. psychologists who wish to retrain in clinical psychology. The Institute also offers a Postdoctoral Certificate in psychoanalysis and psychotherapy and a Master's degree in general psychology.

Honors College

To meet the challenge of increasing expectations for higher education in the 21st century, Adelphi launched its Honors College in September 1995. In 1997 the Honors College was one of 28 programs and departments chosen from over 800 nominations to be placed on the Templeton Honor Rolls as an example of true excellence in American higher education. The first graduating classes have proved the college worthy of this honor, gaining admission for graduate and professional study at Brown, Columbia, the University of Pennsylvania, Cornell, N.Y.U., and a large number of other great research institutions.

The Honors College aims to transform highly talented and motivated high school students into thoughtful college graduates prepared to fill leading positions in government, the arts, education, the learned professions, business, and industry. It is a school that returns to tradition, patterning itself after the great colleges of Oxford and Cambridge, where social and academic life take place in the same setting, where students gather and work, and where faculty members have offices and are readily available for conversation, debate, advice, and exchange of ideas. In this integrated, collegial setting, the

Honors College provides a dynamic program for liberal learning—a classical education that has been newly crafted to meet the needs of contemporary life and contemporary students, through a curriculum focused on the problems and achievements of modern knowledge and their bearing on the modern condition.

School of Business

The School of Business prepares leaders to meet the challenges of today's rapidly changing, business-oriented world. To this end, the School offers a comprehensive, relevant, professional education in business that is based on a solid foundation of liberal learning. It is the integration of liberal learning with professional education that provides business leaders with the breadth of knowledge and intellectual capacity they need to conceive and implement sound business decisions in an imaginative, ethical, and responsible way.

School of Education

The School of Education is composed of five major departments: Education Studies; Special Education; Literacy and Leadership; Communication Sciences and Disorders; and Health Studies, Physical Education and Human Performance Sciences.

In 1995 the School of Education introduced STEP, the Scholars Teacher Education Program, a five-year, combined bachelor/master's degree program for undergraduate students preparing to teach childhood and adolescent levels. Additionally, in cooperation with the College of Arts and Sciences, students may major in art education. Art education is a four-year program leading to visual arts certification, K–12.

Depending on the program, we prepare our students to teach in various K–12 school or clinical settings. Our students' professional preparation enhances their awareness of the foundations of schools, developmental stages of children, adolescents, youth, and adults, and provides the

skills, strategies, and techniques necessary to implement effective teaching/learning interactions in our complex multicultural society.

School of Nursing

To educate successful nursing professionals, the School of Nursing incorporates science and the liberal arts into a unique field of study. The School is committed to excellence in teaching, clinical practice, scholarship, research, and community engagement. Graduates of the School are educated and prepared to become professional nurses who are accountable to clients, society, and the profession. The School is accredited by the National League for Nursing Accrediting Commission, 61 Broadway, New York, NY, 10016, (212) 363-5555. The baccalaureate nursing program is also accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791.

School of Social Work

The School of Social Work prepares professional social workers for the human services. This preparation is done within the context of a broad liberal arts education that emphasizes the importance of intellectual skills and a moral vision. The curriculum enables graduates to live as informed citizens and to be educated, humane, and skillful professionals. The baccalaureate and master's degree programs are fully accredited by the Council on Social Work Education.

University College

University College is in a time of transition as the changing academic needs of the community are being considered and addressed. New programs, off-site locations, and distance learning are all under consideration. Previously housed in University College, the ABLE program is now housed in the School of Business with programs in the College of Arts and Sciences and in the School of Business. The General Studies program is housed in the College of Arts and Sciences.

Off-Campus Centers

To meet the needs of students and the wider community, Adelphi extends its reach beyond the Garden City campus through its extension centers in Manhattan; Hauppauge, Long Island; and Poughkeepsie, where the Hudson Valley Center offers a graduate program in social work; as well as through a variety of off-site programs in diverse locales throughout the metropolitan region.

The Manhattan Center

Adelphi University's Manhattan Center is located in a historic district noted for its cast-iron architecture and home to artists, galleries, avant-garde dance companies and performance artists. The Center, a contemporary facility, encompasses more than 31,000 square feet of classrooms, conference rooms, student lounge areas, a research branch library, and an art gallery.

The Manhattan Center offers course work in a variety of convenient undergraduate and graduate programs for adult students. Undergraduate course work is offered in management and communications, education, liberal arts, and social work. Graduate course work is offered in social work and education (including elementary education, secondary education, special education, bilingual/ESL, reading, speech and communication disorders, and educational administration/technology). The students in these programs are supported by full-time academic advisers and financial aid counselors, as well as a multimedia room and computer labs.

In addition, the Manhattan Center houses a Center for Community Service that provides free services and field placement opportunities to Adelphi students as well as low-cost services to members of the community. The services include tutoring/literacy support, psychological and educational testing, speech therapy, and individual/group counseling.

The Hauppauge Center

Adelphi University's Hauppauge Center is located at 55 Kennedy Drive in Hauppauge, New York, a rapidly growing business and industrial community in Suffolk County, Long Island. It is very convenient to the Long Island Expressway, Northern State Parkway, and Motor Parkway.

The Hauppauge Center offers undergraduate business courses in management and communication and courses in the social sciences through ABLE, the adult baccalaureate program. Graduate programs are offered in business administration and social work. On-site resources include advisers, library services, and conference rooms.

Cultural and Campus Life

Less than an hour away from our Garden City campus lies the nation's foremost center of art, industry, communications, and intellect—New York City. There are many organized excursions, including trips to the theater and concert performances, visits to museums and gallery exhibitions, and informed tours of national centers of scientific research, government, and finance.

Adelphi has a long tradition of inviting talented individuals to the University to enhance campus dialogue. Recent guests (Spring 2003) included Khidhir Hamza, author of *Saddam's Bomb Maker: The Terrifying Inside Story of the Iraqi Nuclear and Biological Weapons Agenda*; Anna Deavere Smith, playwright and performance artist, hailed by *Newsweek* as "the most exciting individual in the American Theatre"; Pulitzer Prize-winning author, Michael Chabon; and Dr. William Anthony, the recipient of numerous national honors including a Distinguished Service Award from the President of the United States.

In the past few years, speakers have also included: former Soviet President Mikhail Gorbachev and former Israeli Prime Minister Shimon Perez; authors Alice Hoffman, Jonathan

Kozol, Mark Mathabane, and Frank McCourt; journalists and political commentators David Gergen, Robert MacNeil, Anna Quindlen, and Frank Rich; actors Celeste Holm, Rita Moreno,

and Ben Vereen; filmmaker Spike Lee; poets Elizabeth Spire, Jonathan Galassi, and Robert Hass; and historians Arthur Schlesinger, Jr. and Doris Kearns Goodwin.

Undergraduate Curriculum and Table of Degrees

The undergraduate curriculum is composed of general education requirements, major requirements, and electives. To qualify for the award of a baccalaureate degree (B.A., B.S., B.B.A., B.F.A., B.S.W.), students must satisfactorily complete a minimum of 120 credits, including 34 credits in general education and the number of credits (27 or more) required by their chosen major.

The University awards the following undergraduate degrees to students who fulfill degree requirements. Students are advised that enrollment in other than registered or otherwise approved programs may jeopardize their eligibility for certain student aid awards.

Bachelor of Arts (B.A.)

Anthropology (HEGIS: 2202.00)*
 Art (HEGIS: 1002.00)
 Art Education (HEGIS: 0831.00)
 Biology (HEGIS: 0401.00)
 Chemistry (HEGIS: 1905.00)
 Communication Disorders (HEGIS: 1220.00)
 Communications (HEGIS: 0601.00)
 Dance (HEGIS: 1008.00)
 Economics (HEGIS: 2204.00)
 English (HEGIS: 1501.00)
 Environmental Studies (HEGIS: 0420.00)
 Fine Arts (ABLE) (HEGIS: 1099.00)
 History (HEGIS: 2205.00)
 Humanistic Studies (ABLE) (HEGIS: 4903.00)
 Interdisciplinary Studies (HEGIS: 4999.00)
 International Studies (HEGIS: 2299.00)
 Latin American Studies (HEGIS: 0308.00)
 Mathematics (HEGIS: 1701.00)
 Philosophy (HEGIS: 1509.00)
 Physics (HEGIS: 1902.00)
 Political Science (HEGIS: 2207.00)
 Psychology (HEGIS: 2001.00)
 Social Sciences (ABLE) (HEGIS: 2201.00)
 Sociology (HEGIS: 2208.00)
 Speech-Drama (HEGIS: 1506.00)

Bachelor of Arts (B.A.)/Master of Art (M.A.) STEP (HEGIS 0801.00)

Bachelor of Science (B.S.)

Art (HEGIS: 1002.00)
 Biochemistry (HEGIS: 0414.00)
 Biology (HEGIS: 0401.00)
 Chemistry (HEGIS: 1905.00)
 Computer Science (HEGIS: 0701.00)
 Criminal Justice Administration (ABLE) (HEGIS: 2105.00)
 Finance (HEGIS: 0504.00)
 Interdisciplinary Studies (HEGIS: 4999.00)
 Management and Communications (ABLE) (HEGIS: 0599.00)
 Mathematics (HEGIS: 1701.00)
 Music (HEGIS: 1005.00)
 Nursing (HEGIS: 1203.00)
 Nursing (RN) (HEGIS: 1203.10)
 Physical Education and Health Education (HEGIS: 0835.00)
 Physical Education K-12 (HEGIS: 0835.00)
 Physical Education (HEGIS: 0835.00)
 Physics (HEGIS: 1902.00)
 Social Sciences (ABLE) (HEGIS: 2201.00)

Bachelor of Science (B.S.)/ Master of Art (M.A.) STEP (HEGIS 0801.00)

Bachelor of Social Work (B.S.W.) Social Work (HEGIS 2104.00)

Bachelor of Business Administration (B.B.A.)

Accounting (HEGIS: 0502.00)
 Management (HEGIS 0506.00)

Bachelor of Fine Arts (B.F.A.) Dance (HEGIS 1008.00) Theater Arts (HEGIS 1007.00)

Associate of Arts (A.A.) Liberal Arts (ABLE) (HEGIS 5649.00)

*HEGIS: Higher Education General Information Survey

General Education Program of Study

Science Building 123

Charles Shopsis, *Associate Dean, College of Arts and Sciences; Chair of General Education Committee*

Email: shopsis@adelphi.edu

Throughout its 107-year history Adelphi University has had a commitment to the value of a strong liberal arts and sciences education for all students. Given the complexities and challenges of modern life, we believe that all students, whatever their majors or professional aspirations, need an extensive array of academic skills and knowledge to assume a responsible role in society.

In the 1999–2000 academic year Adelphi University initiated a new program in General Education to meet these goals. This program is designed to provide students with a series of courses that will introduce them to university life, help them achieve competency in important academic skills, and provide the broad and rich educational experience essential for good citizens and good leaders. The program allows students a wide range of choices in the fulfillment of basic requirements, gives them the opportunity to pursue areas of interest in depth, and allows for the election of second majors or minors. The sequence of courses in the General Education program consists of 34 credits, some of which will also serve to meet students' requirements in their areas of specialization.

In the first semester of the freshman year students will take a one-credit course entitled **Freshman Orientation Experience**. This course serves as an introduction to university life in its various curricular and co-curricular aspects. Discussions will include majors, career planning, student activities, volunteer service

opportunities, and the complex community and social issues faced by new college students. The course also covers library and research skills, including the use of information technology, introduces students to resources on campus (career center, learning center, computer center), and discusses important social and community issues (racism, sexism, substance abuse, fraternities and sororities).

English Composition is also taken in the first semester. This three-credit course helps develop and improve writing skills that are essential to clear thinking and to success in college and beyond.

The freshman year also includes a **Freshman Seminar**. This three-credit course introduces freshmen to intellectual life at Adelphi University by providing them with a learning experience that exposes them to exciting and challenging ideas in a seminar format with professors teaching in their area of expertise. The seminar format provides opportunity for extensive discussion and writing assignments that will promote the development of critical thinking skills. A wide range of subject choices are available to students.

In addition to English composition (the first competency course) all students are required to take an additional complementary course that will provide additional skills useful in many subject areas throughout and after college. Students can fulfill this requirement by selecting one of the following courses:

Computer Use, CSC 170; English as a Second Language, ESL 111 or 112, permission required; an additional English composition course, ENG 108 or 110; Foreign Languages, third semester level (121) or higher; Critical Thinking Skills, PHI 105; Statistics, MTH 113 or 114; or Public Speaking, SPE 110 or 112. Additional courses that fulfill this requirement will be listed in the *Directory of Classes* and on the University Web site. Students are encouraged to complete this requirement early in their college career and are urged to use the require-

ment to develop new skills or gain strength in areas that need improvement. To this end, these courses may be taken on a Pass/Fail basis.

The final component of the General Education program is a **distribution course requirement** designed to encourage students to learn the methods of inquiry and subject matter in a wide spectrum of disciplines. Every student must complete at least six credits in each of the following four areas: the arts (art/art history, communications, performing arts, music), humanities and languages (English, history, international studies, philosophy), natural sciences and mathematics (biology, biochemistry/chemistry, computer science/mathematics, physics), and the social sciences (anthropology, economics, political science, psychology, sociology) for a total of 24 credits. Courses in interdisciplinary programs (Environmental Studies, African-American and Ethnic Studies) are allocated to one of the four areas above as appropriate. These distribution requirements can be fulfilled by any courses that meet major or minor requirements in the discipline. In addition, students can choose from introductory level non-major courses in several of these disciplines. Students should consult their advisers and the *Directory of Classes* for help in selecting these courses. Courses taken to meet the distribution requirement can also serve to meet major or minor requirements. The intention of this provision is to permit students who become intrigued with a discipline while meeting distribution requirements to use the course(s) taken toward a major, minor, or second major.

Students who entered Adelphi prior to September 1999 will receive credit toward the General Education requirements for courses they have completed, including core curriculum courses. Transfer students may be exempt from some of these requirements and will receive credit for courses taken at other institutions that are equivalent to General Education courses. University advisers and admissions officers can counsel students in these matters. Equivalencies between core courses and the new General

Education requirements and specific requirements for transfer students are also available on the University's Web site.

Students who have received an A.A. or A.S. degree (but not an A.A.S. degree) from an accredited institution prior to their transfer to Adelphi *are exempt from all General Education requirements.*

Students who matriculate at Adelphi with 60 or more transfer credits but without an A.A. or A.S. (or B.A. or B.S.) degree can fulfill the General Education Distribution requirements by successfully completing 6 credits of approved Social Science courses, 6 credits of approved Science/Math courses, *and a total of 12 credits in any combination of approved courses in the Humanities and Arts* prior to graduation.

In summary, the General Education requirements are:

1. GEN 100, Freshman Orientation Experience, 1 credit
2. GEN 110, Freshman Seminar, 3 credits
3. ENG 107, Art and Craft of Writing, 3 credits
4. Second Competency course, 3 credits (courses listed above)
5. Distribution Courses, 24 credits:
 - 6 credits in the Arts: Art/Art History, Communications, Performing Arts, Music
 - 6 credits in the Humanities: English, History, International Studies, Philosophy
 - 6 credits in the Natural Sciences and Mathematics: Biology, Biochemistry/Chemistry, Computer Science/Mathematics, Physics
 - 6 credits in the Social Sciences: Anthropology, Economics, Political Science, Psychology, Sociology

Courses of Instruction

GENERAL EDUCATION

GEN 100 Freshman

Orientation Experience *1 credit*

A one-credit course for incoming Freshmen designed to serve as an introduction to the University. This orientation to Adelphi includes instruction in the use of the library and computer resources, the career services office, and the learning center. This course also addresses basic study and writing skills and community and social issues faced by new collegians. Pass/Fail only.

GEN 110 Freshman Seminar *3 credits*

A seminar designed to convey the excitement of intellectual endeavor to new college students. Many subject areas are offered, each by Professors in their specific area of interest. Seminar titles and course descriptions are available on the University's Web site (www.adelphi.edu) under General Education.

COLLEGE OF
ARTS AND SCIENCES

College of Arts and Sciences

Science Building 127

Gayle Dranch Insler, *Dean*
Email: insler@adelphi.edu

Steven J. Rubin, *Associate Dean*
Charles Shopsis, *Associate Dean*
Ruth McShane, *Assistant Dean*

Philosophy of the College

When Adelphi College was founded in 1896, it was committed to the belief that all frontiers of learning could be pushed further back. As the great minds of the past had pushed them back, so it was the challenge of each succeeding generation of students to learn from the great minds and, when the lessons were learned, to go beyond them. This continuum of learning, in which the past comes alive and the future becomes enabled by it, has been what Adelphi existed for from the start. This was liberal education.

As Adelphi University has developed over more than a century, it has maintained this philosophy of liberal education—most centrally in the College of Arts and Sciences. It is here that the University offers its students not merely disciplinary learning, but the general education that permits the disciplines to be seen in perspective. In addition to offering specialized study, which may show the student how to, the College offers to show the student something else: why.

Arriving at this why is the obligation of the humanities, those studies that preserve and interpret the intellectual and cultural heritage of the west and of the whole world. Literature is part of this heritage, as are philosophy, history, fine arts, music and drama, language and linguistics, and the bedrock sciences of chemistry, biology,

physics, and mathematics. Explorations of civil society and social interaction have grown historically from the humanities and add a further rich layer of thought and intellectual study. Each of these fields is studied on its own terms and with its own goals, which often include solid practical application and career opportunities. But they also interrelate with and illuminate each other in vital ways.

In a number of instances the interrelationship of various fields of study is embodied in formal programs offered in the College, such as Performing and Visual Arts, Environmental Studies, Journalism, or International Studies. In other instances the interrelationship is not that formal, but is still potent: questions of meaning, purpose, justification, need, relative importance, consequences, rights and duties, integrity and morality transcend narrow fields. They arise in studies where one would expect to find them articulated and in studies where one would not expect to find them. The discovery of and reflection upon these questions is a principal delight of a humanistic education.

The skills that a student develops in the course of a liberal education are those that are proper to each field in which she/he studies—fluency in languages, adeptness in mathematics, competence in the employment of chemistry, and so forth—but there are also powers, which one may call skills, that cut across all disciplines: research ability, analytical ability, critical thinking, and always the ability to express what one has learned. These are the components of a liberal, humanistic education.

The faculty of the College of Arts and Sciences would have its students develop in the broadest possible manner. Classroom learning is a part of the student's education, but that learning should always be pushing the student beyond the classroom, stimulating him or her to explore that which has yet to be revealed. Thus the student is encouraged to pursue original research, to undertake collaborative work with

peers and mentors, to work in a variety of internships in community service or the corporate world, and to avail himself or herself of the opportunities that the University offers to meet visiting artists, scholars, and world figures.

This is the College of Arts and Sciences' way of bringing about the promise of the University's motto, "The truth shall make you free."

Degree Requirements

Programs in the College of Arts and Sciences lead toward the Bachelor of Arts (B.A.), Bachelor of Science (B.S.), or Bachelor of Fine Arts (B.F.A.) degrees, with a major in a particular area of concentration. Some students may also choose to take a second major or a minor, and some departments offer combined bachelor's-master's programs. Details of each department's program offerings are included in the pages that follow. Every student is required to complete a minimum of 120 credits of academic work in order to be awarded a bachelor's degree. To be eligible for a degree, the student must maintain a minimum 2.0 GPA.

Majors

Concentration in an area of inquiry assures that the student becomes knowledgeable in at least one specialized field. This area of concentrated study is known as the major. Undergraduate students are expected to complete no less than one quarter of their academic work in their major. The specific requirements for each major in the College are found under the individual program headings.

Second Majors and Minors

Students who wish to complete the degree requirements of two departments may do so with permission, so long as they are able to fulfill General Education requirements and the requirements of both majors. Students may also have a second major in a department not located

in the College. A College student, for instance, might have a second major in the School of Business or Derner IAPS. That student can, however, be a candidate for only one degree. Most departments in the College of Arts and Sciences offer a series of courses (18 to 24 credits) that constitute a minor. In consultation with a faculty adviser in that department, the student is able to pursue a minor to complement the major field of study.

Interdisciplinary Major

A student may design and complete an individualized major course of study involving two or more departments. Such study is carefully guided and supervised by a faculty committee and represents an exceptional opportunity for the student whose academic interests are better served by a multi-disciplinary design. See the program section, "Interdisciplinary Major."

Pre-Professional Preparation

A strong liberal arts and sciences education is the best preparation for professional careers, including law and medicine. Students contemplating or planning to pursue careers in law and medicine can receive guidance from pre-professional councils established for this purpose. Please refer to the section titled "*Pre-Professional Preparation*."

Independent Study

Independent study is open to juniors and seniors only and no student may take more than 12 credits of independent study. Students should consult with their academic adviser about the regulations governing independent study. Permission forms for Independent Study are available from the Office of the Dean of the College.

Waiver of Academic Regulations

Written requests for waivers from the College of Arts and Sciences regulations are submitted to the Office of the Dean of the College for consideration by the Academic Standards Committee of the College.

Joint Degree Programs

Joint degree programs allow students to combine an undergraduate liberal arts and sciences education at Adelphi with specialized or advanced study at a partnering university, earning degrees from both Adelphi University and the partnering university. Programs are offered in computer science, dentistry, engineering, environmental studies, law, optometry, and physical therapy, in partnership with Polytechnic University, Tufts University School of Dental Medicine, Columbia University, Stevens Institute of Technology, Rensselaer Polytechnic Institute, New York Law School, New York Medical College, and the State University of New York (SUNY) College of Optometry. Most applicants to these joint degree programs are high school seniors but with careful planning and advisement these programs may also be open to transfer students and current Adelphi students.

For information about specific joint degree programs please see Chapter IX. For additional information please contact each department directly.

- **Computer Science**
Human Resource Information Management
Transportation Management
 Department of Mathematics and Computer Science 516 877-4480
 College of Arts and Sciences, Office of the Dean 516 877-4140
- **Dentistry**
 Department of Biology 516 877-4200
- **Engineering**
 Departments of Physics 516 877-4880
- **ELS**
 ELS Language Center 516 877-3910
- **Environmental Studies**
 Department of Biology 516 877-4200
 Department of Environmental Studies 516 877-4212
- **Law**
 Department of History 516 877-4790
- **Optometry**
 Department of Biology 516 877-4200
- **Physical Therapy**
 Department of Biology 516 877-4200
 Department of Health Studies, Physical Education and Human Performance Science 516 877-4260

Programs of Study in the College of Arts and Sciences

African American and Ethnic Studies	minor
Anthropology	major/minor
Art	major/minor
Art History	major/minor
Biochemistry (See Chemistry)	major/minor
Biology	major/minor
Chemistry	major/minor
Communications	major/minor
Computer Science	major/minor
Economics*	major/minor
English	major/minor
Environmental Studies	major/minor
History	major/minor
Journalism	concentration
Languages and International Studies	
International Studies	major/minor
French	minor
German	minor
Spanish	minor
Linguistics	minor
Latin American Studies	major/minor
Mathematics	major/minor
Music	major/minor
Performing Arts (Theater Arts and Dance)	major/minor
Philosophy	major/minor
Physics	major/minor
Political Science	major/minor
Prelaw Preparation	<i>various majors</i>
Premedical Preparation	<i>various majors</i>
Psychology**	major/minor
Sociology	major/minor
Women's Studies	minor

* See School of Business

** See Gordon F. Derner Institute of Advanced Psychological Studies

Special Programs

ABLE Fine Arts
ABLE Humanities
ABLE Criminal Justice Administration
General Studies

Anthropology

Blodgett Hall 102

John Vetter, *Director*
Email: vetter@adelphi.edu

Professor
Anagnostis Agelarakis

<i>Associate Professors</i>	<i>Assistant Professor</i>
Laraine Fletcher	John Vetter
Judith Johnston	

Anthropology is the study of human culture in its widest sense, extending back to our primate origins. Because of its broad scope, anthropology provides an appreciation of the relationships among the environment, biology, and culture through time. It is a forum for a unique bridging and bonding of the natural sciences, the social sciences, and the humanities.

The range of cultural expression studied in anthropology includes prehistoric, traditional, developing, and industrialized societies. There are three approaches to the study of the field. Cultural anthropology seeks to understand the way people live in varied societal systems or cultures around the world. Archaeology is concerned with understanding societies that existed in the past. Archaeologists locate, excavate, and interpret the artifacts of societies from prehistoric to recent times. Physical anthropology investigates the biocultural evolution and biosocial variation of humans. Physical anthropologists, in addition to the study of the behavioral and biological adaptations of living human populations, research the demographic and epidemiological profiles of forensic and archaeological skeletal collections.

In addition to performing research in conventional laboratories, anthropologists also conduct research in field sites. Students are strongly encouraged to participate in ethnographic

archaeological and physical anthropological endeavors, many of which are sponsored on Long Island, the greater metropolitan region, Central America, and selected overseas locations including Thailand, India, Israel, Cyprus, and Greece.

Anthropology students are expected to become versed in the theories and practices central to the anthropological perspective. With this in mind, the curriculum of the department focuses on developing those skills essential to the discipline. Further, the curriculum focuses on developing those student skills essential for the understanding of the interdisciplinary relationships between anthropology, social and natural sciences, the humanities, and the arts. The skills acquired through the study of anthropology are transferable to other social sciences and to the larger world.

In addition to General Education requirements, the requirements for the major in Anthropology is as follows:

Requirements for the Major in Anthropology (40 credits)

ANT 105	Culture and Society
ANT 111	Cultural Anthropology
ANT 112	Physical Anthropology
ANT 113	Archaeology

The student may select from any other courses offered by the anthropology department to complete the major, subject only to the restriction that at least one course beyond the introductory level must be taken in two of the three areas of cultural anthropology, physical anthropology, and archaeology. In addition, students must take a minimum of 9 credits of "cluster" courses in sociology. In addition, 3 credits chosen in consultation with the adviser will be accepted toward the anthropology major from outside our departmental offerings. The field of anthropology is closely related to a number of other offerings at Adelphi, thus providing many oppor-

tunities for double majors, especially in the education and training of environmental studies professionals. Students should contact the department concerning their individual needs.

The Minor (18–21 credits)

It is recommended that the student contact their faculty adviser for guidance in the development of an appropriate minor.

Art and Art History

Blodgett Hall 302

Harry Davies, *Chair*

Email: davies@adelphi.edu

Professors

Harry Davies

Richard Vaux

Thomas McNulty

Assistant Professors

Geoffrey Grogan

Kellyann Monaghan

Jean Sorabella

Jacob Wisse

Art Director, Graphic

Design Studios

Dale Flashner

The study of art is the study of making. To make is to create, to interpret, and finally to understand one's own vision of the world. To study art and the history of art is to study the very essence of the self and of civilization.

Students majoring in art at Adelphi elect a concentration in one of the following areas:

- fine art
- graphic/advertising design
- illustration
- art education
- art history

Small classes (usually 12–15 students), individual instruction and mentoring, professional studios and laboratories, and frequent constructive critiques—together make an ideal environment for the art student to develop both creatively and intellectually. Students concentrating in one of the studio areas are prepared for professional art careers, graduate study, or both; and, most importantly, they are carefully guided in the development of a professional portfolio. Students concentrating in art history are prepared for further study at the graduate level in art history or museum studies. Adelphi's proximity to New York City offers the student

ample opportunity to easily visit some of the best museums and galleries in the world. The Long Island Railroad station serving Adelphi is less than a ten-minute walk from campus.

Portfolio Requirements

A formal portfolio presentation is required of all students applying for admission to any of the studio-based programs, art history being the exception. A portfolio of no more than 12–15 pieces of the student's best artwork is required. Original artwork is preferred to reproductions. If at all possible, presenting the portfolio in person is advantageous as this provides the student with an opportunity to meet the art faculty and to visit the studio facilities. Slide portfolios, again limited to 12–15 pieces, are also acceptable for those students from abroad or living at some distance from the University.

Talent Scholarships

The faculty of the department of art and art history awards a substantial number of Art Talent Scholarships each year to entering students. Eligibility for these awards is determined at the time of the portfolio presentation.

Studio Art Foundation Requirements (30 credits)

All students concentrating in one of the studio art areas must complete the following Studio Art Foundation requirements during their first two years of study:

ART 101 Fundamentals of 2-D Design	4 credits
ART 105, 106 Drawing & Composition I, II	8 credits
ART 115 or 116 Figure Drawing & Anatomy	4 credits
ART 175 Color, Media & Materials	4 credits
ART 305 or 306 Advanced Drawing	4 credits
ARH 196, 197 Art & the World I, II	6 credits

Degree Requirements

In addition to the art major, all art students must complete the University's General Education requirements in liberal arts (28–30 credits). Students will also have the opportunity to take elective courses in other areas of interest. A total of 120 credits is required for completion of the B.A. degree in art. Participation in a senior thesis art exhibition is required of all art students concentrating in a studio area. Following are the minimum requirements for each of the art concentrations:

Concentration Requirements

Concentration in Fine Art: (63 credits total art and art history requirements)

Areas of study: painting, sculpture, ceramics, photography and printmaking.

Required course work:

Studio Art Foundation (see above)	30 credits
Fine Art Studios (selected in consultation with faculty adviser)	24 credits
Art History (including ARH 253, Contemporary Art)	6 credits
Senior Portfolio Preparation	3 credits

Concentration in Graphic/

Advertising Design: (64–67 credits total art and art history requirements)

Students wishing to concentrate in Graphic/Advertising Design will normally do so beginning in their third year of study. Because of the intensive nature of this program, interested students will be required to present a portfolio to the Art Faculty consisting of 10–12 artworks selected from courses completed at Adelphi. This review will take place in March of the student's second year. Its purpose is to encourage and support those students who demonstrate the discipline and dedication necessary for success in this highly demanding program and profession. Students who, in the faculty's judgment, have not progressed at the level expected would not

be admitted to the graphic design program. The student's portfolio, academic record and class performance will be taken into consideration by the faculty in making this decision.

Required course work:

Studio Art Foundation (see above)	30 credits
ART 203, 204 Computer Graphic Applications I, II	8 credits
ART 230 Introduction to Graphic Design	2 credits
ART 233, 234 Advertising Design I, II	8 credits
ART 239 Lettering & Typography	4 credits
ART 430 Advanced Graphic Design	2 credits
ART 433, 434 Advertising Design, Advanced Projects	4 credits
ART 492 Internship	3–6 credits
ART History Elective	3 credits

Concentration in Illustration:

(63 credits total art and art history requirements)

Required course work:

Studio Art Foundation (see above)	30 credits
ART 213 or 214 Painting Studio	4 credits
ART 231, 232 Illustration I, II	8 credits
ART 413, 414 Painting Studio Advanced	8 credits
Studio Elective	4 credits
Art History Electives	6 credits
Senior Portfolio Preparation	3 credits

Concentration in Art Education:

(59 credits total art and art history requirements; 36–42 credits art education sequence in the School of Education)

This concentration is for those students seeking New York State Certification (K–12) in the teaching of art. Students will major in fine art and minor in education. Note: Please see "Art Education" in the School of Education section of this Bulletin.

Required course work:

Studio Art Foundation (see above)	30 credits
Fine Art Studios, selected in consultation with the student's adviser in painting, sculpture, ceramics, photography or printmaking.	20 credits
Art History Electives	6 credits
Senior Portfolio Preparation	3 credits
Art Education Sequence (School of Education)	36–42 credits

Concentration in Art History:

(36 credits total art history requirements)

Required course work:

ARH 196, 197	
Art & the World I, II	6 credits
ARH 247	
Art of Classical Antiquity	3 credits
ARH 249	
Art of the Italian Renaissance	
OR	
ARH 250	
Northern European Art	3 credits
ARH 251	
19th Century Art	
OR	
ARH 260	
17th & 18th Century Art	3 credits
ARH 252	
20th Century Art	
OR	
ARH 253	
Contemporary Art	3 credits
ARH 360	
Art History Seminars (at least 2)	6 credits
ARH 563	
Philosophy & Criticism of Art	3 credits
Art History Electives	9 credits

Art History Honors Thesis option: Students seeking to graduate with honors in art history may, with permission of the department, register for ART 490, Independent Study/Art History Honors Thesis.

Honors in Art

Students who have obtained a minimum GPA of 3.75 in their art and art history courses, based on seven semesters of work, will be awarded Honors in Art.

Art Minors

Art minors are offered in photography and art history and are based upon the completion of at least 6 courses in the respective area with a grade of C or better. Students who minor in art history must complete ARH 196, 197 Art and the World I, II; and four art history electives. Students must obtain the permission of the department chair to declare an art minor.

Summer Workshop Program

The department of art and art history offers an extensive program of intensive summer art workshops for both graduate and undergraduate students. This program is open to visiting students and to students who are not necessarily majoring in art. Please see the *Summer Directory of Classes* or contact the art department for a current listing of workshops offered. Permission of the department is required to register for summer workshops as enrollment is limited.

Biology

Science Building 103

James Dooley, *Chair*

Email: dooley@adelphi.edu

Director of Undergraduate Academic Affairs

Benjamin Weeks

Email: weeks@adelphi.edu

Professors

A. Coolidge Churchill

Deborah F. Cooperstein

Carol Diakow

James K. Dooley

Gayle D. Insler

George K. Russell

Associate Professors

Lawrence J. Hobbie

R. David Jones

Benjamin Weeks

Assistant Professors

H. Sheshadri Arathi

Peter Cohen

Katherine Flynn

Explore the complexity of life. Studying biology at Adelphi means developing a deeper understanding of the processes that comprise life. Its study is surely more than learning facts and theories. The curriculum encompasses a spectrum of inquiry from the origins of life itself, through the molecular, cellular, organismal, and ecological aspects of its functioning. Students will also have the opportunity to gain hands-on skills outside of the classroom, by participating in a broad range of independent research projects with faculty. Our computer and research laboratories are equipped with state-of-the-art instrumentation, and provide the ideal environment to explore how theory and research intersect. Internships are available for select seniors at local biotechnology companies, research facilities and hospital research laboratories. Through learning opportunities in and out of class, students will have access to nationally funded research in frontier and classic areas of inquiry, and be exposed to dialogue on the current thinking in this dynamically developing discipline.

Biology is truly the study of life in all its complexity and wonder.

In addition to General Education requirements, the requirements of the major in biology are as follows:

Requirements for the Major in Biology

Bachelor of Science or Bachelor of Arts Degrees

- 1) A total of 38 Biology course credits*
- 2) Courses BIO 111 and 112
- 3) Distribution requirements**
 - a) one course from category I
 - b) one course from category II*
 - c) two courses from category III
- 4) At least two courses at the 400 and/or 500 level excluding 491, 492, 498, and 499.
- 5) A maximum of four credits from 491, 492, 498, and 499 will be counted toward the required total 38 biology credits.

I. Ecology/Organismal

BIO 220	Organic Evolution
BIO 234	Principles of Ecology
BIO 253	Marine Biology
BIO 260	Animal Behavior

II. Anatomy/Physiology*

BIO 355	Histology
BIO 360	Principles of Regulatory Physiology
BIO 484	Neurobiology
BIO 567	Environmental Pollutants and Disease

*Both the distribution requirement for category II, and four of the 38 total credits can be satisfied by taking both Biology 203 and 204.

**It should be noted that credits from additional courses taken in these categories (I–III) will be applied to the 38 total required credits. However, after completing the distribution requirements, all remaining credits may be derived from the elective courses.

III. Cell Biology and Genetics

BIO 222	Genetics
BIO 365	Molecular Cell Biology I
BIO 345	Developmental Biology
BIO 504	Physiological Chemistry
<i>OR</i>	
CHE 471/472	Biochemistry I and II*
BIO 506	Introduction to Molecular Biology

Elective Courses

BIO 238	Fundamentals of Microbiology
BIO 243	Botany
BIO 288	Honors Colloquium
BIO 294	Comparative Vertebrate Anatomy
BIO 310	Biological Communities
BIO 322	Human Genetics
BIO 340	Nature of Viruses
BIO 356	Vertebrate Embryology
BIO 425	Jaws and Teeth
BIO 465	Molecular Cell Biology II
BIO 485	Selected Topics
BIO 512	Biogeography
BIO 525	Introduction to TEM
BIO 528	Immunology

**Additional Course Requirements
for a Degree in Biology****Chemistry:**

CHE 111, 112 General Chemistry
Organic Chemistry 251, 252, 253, 254**, or
equivalent.

*Biochemistry I and II when both are taken will count as a single choice for Category III (i.e., 4 cr.); the remaining four credits may be applied as a biology elective.

**Upon advisement Tufts 7-year students may elect exemption from Organic Chemistry 252 and 254.

Physics:

PHY 111, 112 College Physics I, II
OR
PHY 113, 114 Physics for Science Majors I, II

Mathematics:

One year mathematics
OR
One semester mathematics and one semester
statistics

For a Bachelor of Arts degree, only one semester of mathematics is required for the biology major.

To graduate with a major in biology, the student must maintain a minimum 2.0 average in the major and complete a minimum of 16 biology credits applicable to the major at Adelphi University. Courses 300–400 are open only to juniors and seniors, and to sophomores only with permission of the instructor. All requirements for the major must be graded on an A–F scale, except BIO 492, which is offered only on a Pass/Fail basis.

Advanced Standing is granted to students who have successfully completed A.P. (Advanced Placement) courses in biology and who have achieved a passing score on the A.P. test. If Advanced Placement course work is accepted, credits will be given but no grade recorded and thus the Advanced Placement course will not be part of the GPA. Students may not take Advanced Placement credit and also receive additional credit for BIO 111, 112. Pre-professional students should be aware that an increasing number of medical and dental schools will not accept Advanced Placement credit in the place of a full-year biology course offered at a college.

Transfer Students

All transfer students must complete a minimum of 16 biology credits applicable to the major at Adelphi University.

Special Biology Programs

Five-Year Bachelor-Master's Program

It is possible to obtain both the bachelor's degree and the master's degree in biology within a five-year period. This program is intended for only the most serious student of biology. Application must be made by the beginning of the junior year to the director of the department's Undergraduate Academic Affairs Committee.

The Minor

Students wishing to minor in biology must complete a minimum of 23 credits in biology. These credits must be distributed in the following way:

BIO 111, 112	Biological Concepts and Methods
<i>OR Equivalent</i>	
BIO 222	Genetics

The remaining credits needed to complete the minor in biology shall include an additional course numbered 220 or above, plus additional credits at the 300-level or above. A minimum of two 4-credit laboratory courses must be part of the remaining credits. It is recommended that the student contact faculty for individual guidance in the development of an appropriate minor.

Honors in Biology

To qualify for honors in biology, the student must satisfactorily complete BIO 288 and a minimum of two semesters of BIO 498, 499, maintain a cumulative GPA of 3.5 in biology courses, submit an acceptable thesis to the Committee on Honors and Undergraduate Research, and fulfill the regular requirements for graduation. Acknowledgment of obtaining honors in biology will appear on the student's final transcript.

Interested students may gain entry to the Honors Program by petitioning the biology department's Committee on Honors and Undergraduate Affairs. This petition shall consist of a written résumé of the student's background and interest in participating in the Honors Program. This material must be in the hands of the committee no later than two weeks before the registration time at which the student would normally sign into BIO 288.

Premedical Preparation and Counseling

The basic courses required by most professional schools include one year of general chemistry, one year of organic chemistry, one year of biology, and one year of physics.

All students who intend to prepare for medical, dental, veterinary, osteopathic medical, podiatry, or optometry school, should register with the Premedical Adviser before the end of their sophomore year. (See section on Pre-professional Preparation for more information.)

The Dental Preceptorship Program

The Dental Preceptorship Program consists of a research project in a particular area within the field of the dental sciences, coupled with clinical experience and observation. Clinical experience will include rotations in pedodontics, periodontics, oral-facial maxillary surgery, endodontics, orthodontics, dental care of the handicapped, and preventive dentistry.

Joint Degree Programs

The biology department offers the following joint degree programs:

- **Dentistry**
Adelphi University/Tufts University School of
Dental Medicine
3–4 B.S./D.M.D.
- **Environmental Studies** (with the department of environmental studies)
Adelphi University/Columbia University
3–2 B.A./B.S. or 4–2 B.A./M.S.
- **Optometry**
Adelphi University/SUNY College of
Optometry
3–4 B.S./O.D.
- **Physical Therapy** (with the department of health studies, physical education and human performance science)
Adelphi University/New York Medical
College
4–3 B.S./D.P.T.

Please see Chapter IX in this *Bulletin* for information about these and other joint degree programs.

Chemistry

Science Building 201

Sung Moon, *Chair*
Email: moon@adelphi.edu

Distinguished Research Professor
Frederick A. Bettelheim

<i>Professors</i>	<i>Associate Professors</i>
Stephen Z. Goldberg	David Parkin
Joseph M. Landesberg	Charles Shopsis
Sung Moon	
Reuben M. Rudman	
Stanley Windwer	

Chemistry is the branch of the physical sciences that deals with material substances. Its purview includes the elements, the combination of elements and formation of compounds, the phenomena that arise from exposure of substances to different physical conditions, and reactions between substances. The undergraduate study of chemistry at Adelphi is based on the principle of progression: a progression from the simplest to the more difficult concepts. This progression starts with general chemistry, which introduces basic concepts, followed by surveys of the different branches of chemistry, these being organic, analytical, inorganic, physical chemistry, and biochemistry.

As a sign of the department's belief in the importance of the laboratory experience, and in contrast to the prevailing practice at many universities, laboratory classes at Adelphi are all taught by faculty. In addition, juniors and seniors have the opportunity to undertake research in the department's laboratories under the guidance of faculty.

The department offers two degree programs, each with its own requirements:

1. The B.A. and B.S. in chemistry are flexible programs that provide excellent preparation for careers in chemistry and a variety of other areas including medicine;
2. The B.S. in biochemistry is for those planning careers in the pharmaceutical industry, or in agricultural chemistry and food science, and serves those whose aim is an advanced degree in biochemistry, biophysics, medicine, dentistry, or optometry.

Requirements for the Major in Chemistry

In addition to General Education requirements, a total of 55–57 credits is required for a B.S. and 49 credits for a B.A. in chemistry. Chemistry and cognate courses for the two programs are as follows:

Chemistry (30 credits)

Required for the B.S. and B.A. degrees.

CHE 111, 112	General Chemistry
CHE 251, 252	Organic Chemistry
CHE 253, 254	Organic Chemistry Laboratory
CHE 265	Quantitative Analysis
CHE 321	Physical Chemistry
CHE 323	Physical Chemistry Laboratory
CHE 411	Inorganic Chemistry

Electives from the courses below (6–8 credits) are required for a B.S. degree in chemistry.

CHE 322	Physical Chemistry II
CHE 324	Physical Chemistry Laboratory II
CHE 413	Inorganic Chemistry Laboratory
CHE 471, 472	Biochemistry I, II
CHE 481	Computers and Chemistry

Mathematics and Physics (19 credits for the B.S. and B.A. degrees)

MTH 114	Statistics for Natural Science
MTH 141, 142	Calculus and Analytic Geometry I, II
PHY 111, 112	College Physics I, II
<i>OR</i>	
PHY 113, 114	Physics for Science Majors I, II

General Education courses and electives chosen in consultation with the adviser.

Requirements for the Major in Biochemistry

In addition to General Education requirements, a total of 72 credits is required for a major in biochemistry, consisting of 41 credits in chemistry and 31 credits in cognate areas.

Chemistry (35 credits)

CHE 111, 112	General Chemistry
CHE 251, 252	Organic Chemistry
CHE 253, 254	Organic Chemistry Laboratory
CHE 265	Quantitative Analysis
CHE 321	Physical Chemistry I
CHE 323	Physical Chemistry Laboratory I
CHE 471, 472	Biochemistry I, II

Two courses chosen from the list below or from upper level biology courses with permission of the chemistry chair:

CHE 322	Physical Chemistry II
CHE 324	Physical Chemistry Laboratory II
CHE 470	Principles of Toxicology
CHE 475	Biochemistry of Proteins and Nucleic Acids
CHE 476	Biochemistry of Complex Carbohydrates
CHE 477	Biochemistry of Membranes and Lipids
CHE 478	Bioinorganic Chemistry

Mathematics, Physics, and Biology (31 credits)

MTH 141, 142	Calculus and Analytic Geometry I, II
MTH 114	Statistics for Natural Science
PHY 111, 112	
<i>OR</i>	
PHY 113, 114	Physics
BIO 111, 112	Biological Concepts and Methods
BIO 222	Genetics

General Education courses and electives chosen in consultation with the adviser.

The Minor

The minimum requirements for a minor in chemistry are 26 credits of chemistry courses.

The basic required courses (18 credits) are the following:

CHE 111, 112	General Chemistry
CHE 251, 252	Organic Chemistry
CHE 253, 254	Organic Chemistry Laboratory

In addition, (8 credits) of chemistry courses should be chosen in consultation with an adviser.

Recommended courses are:

CHE 265	Quantitative Analysis
CHE 471	Biochemistry I
CHE 472	Biochemistry II

Communications

Blodgett Hall 113

Margaret Cassidy, *Chair*
Email: cassidy@adelphi.edu

Professor
Paul Thaler

Associate Professors
Margaret Cassidy
Peter C. Costello
Helen Stritzler

Assistant Professor
James Ross

The program in communications comprises three interdisciplinary areas of study: communication and media studies, moving image arts, and journalism. The curriculum emphasizes creativity, knowledge, and critical awareness, and reflects a strong commitment to liberal rather than technical education. The major also offers an extensive, carefully monitored professional internship program that places students in diverse settings in small and large communications institutions.

The communication and media curriculum explores the history of communications, communication theory, the impact of new communication technologies, children and the media, political communication, and the role of communication in culture and in human behavior.

The moving image arts curriculum focuses on fundamental principles of the art of the moving image through hands-on experience in film and video making, as well as through screenwriting and cinema studies courses. Individual student work and field production are emphasized, and

students enjoy a degree of access to equipment that exceeds that of most other universities.

The journalism curriculum consists of courses in journalism history and theory, as well as skills courses in news writing, feature writing, magazine writing, and electronic journalism.

Students participate in undergraduate research conferences, compete in national and local film and video festivals, write and edit the school newspaper, run a fall student film and video festival, and produce a regular public access cable television program. The department also houses a chapter of Lambda Pi Eta, the National Communications Honor Society, and a chapter of Women in Communications, also a national organization.

Talent Scholarships

The department of communications, in cooperation with the Office of Admissions, offers several Talent Scholarships each year to outstanding entering freshmen who show evidence of unusual ability and accomplishment in the media arts.

Requirements for the Major in Communications

(40 credits)

Four-Year Sequence

Applicable to students entering as of Spring 1998.

Freshman/Sophomore Years

COM 090	Communications Internship
COM 102	Communication Theory
COM 103	History of Media and Communication
COM 104	Art of Film and Video
COM 215	Film Then and Now: Genres, Styles, Movements
COM 225	Introduction to Moving Image Production

Junior Year

COM 300	Media Criticism
COM 315	Communication and Behavior
COM 325	Film I
COM 330	Video I

Senior Year

COM 334	Major Directors
OR	
COM 415	Issues in Film Theory and Criticism
COM 406	New Communications Technologies and Social Change
COM 411	Issues and Conflicts in Media and Society
COM 425	Film II
OR	
COM 430	Video II

Two-Year Sequence

Recommended for junior transfer students and junior change of majors.

Fall

COM 090	Communications Internship
COM 102	Communication Theory
COM 104	Art of Film and Video
COM 225	Introduction to Moving Image Production

Elective

Spring

COM 103	History of Media and Communication
COM 215	Film Then and Now: Genres, Styles, Movements
COM 325	Intermediate Filmmaking
COM 330	Intermediate Videomaking

Fall

COM 300	Media Criticism
COM 406	New Communications Technologies and Social Change
COM 415	Issues in Film Theory and Criticism
COM 425	Advanced Filmmaking
OR	
COM 430	Advanced Videomaking
2 Electives	

Spring

COM 315	Communication and Behavior
COM 334	Major Directors
OR	
COM 415	Issues in Film Theory and Criticism
COM 411	Issues and Conflicts in Media and Society
Elective	

The above sequence assumes that no communications credit has been transferred from a previous university and that all General Education requirements are completed.

Journalism Concentration

Offered jointly by the communications and English departments.

Communications Component

COM 207	Introduction to Journalism
COM 309	Writing for Media
COM 329	Contemporary Journalism
COM 454	Electronic Journalism
COM 493	Professional Internship

English Component

ENG 208	Writing for Newspapers I
ENG 209	Writing for Newspapers II
ENG 310	Feature Writing
ENG 492	Directed Work Experience

Descriptions of the courses can be found under the course listings of the communications and English departments, respectively.

The Minor

It is recommended that the student contact faculty for individual guidance in the development of an appropriate minor.

Center for Communication, Inc.

The department participates in the programs of the Center for Communication, Inc. The Center is an independent, nonprofit organization that sponsors meetings and seminars between small groups of students and leaders and professionals from the fields of communication. Students gain firsthand information about issues and careers in television, radio, newspapers, book and magazine publishing, advertising, and public relations. A Career Day is held every semester.

Professional Internships

The department makes available to upper-level students a wide variety of intensive internship opportunities in leading professional organizations.

The key to successful internships is the significance of the work assignments performed by interns. The work must be a high enough level to challenge interns and to promote genuine learning.

In order to assure the quality of students' learning experiences, all internships are fully monitored by the department with the active support of the organization in which the intern has been placed.

Recent intern placements include the following: Cablevision, Corporate Communications—ABC, CNN, National Westminster Bank, New York Yankees, Sports Channel, the Brooklyn Museum, the Lehrer Newshour, the Museum of Broadcasting, USA Network, WABC-TV New York, WCBS-TV New York, WLIW Channel 21, WNBC-TV New York, and Merrill Lynch.

Department of Communications Awards and Honors

Creativity in Film and Video Award

The student who receives the Department of Communications "Creativity in Film and Video Award" must have completed, with distinction, the cycle of film and video production courses offered by the department. In addition, he or she must have demonstrated a commitment to the art of filmmaking. His or her film or video work produced as an in-class project or as an Independent Study project must express their personal creative vision and his or her mastery of the skills of filmmaking.

Writing and Research Award

The graduating senior who is granted the Department of Communications "Writing and Research Award" will have shown growth in writing and research skills throughout his or her academic tenure at Adelphi, culminating in a senior thesis that shows originality, thoroughness of research and documentation, and mastery of theory and relevant literature.

English

Harvey Hall 201

Jennifer Fleischner, *Chair*
Email: Fleischner@adelphi.edu

<i>Professors</i>	<i>Assistant Professors</i>
Jennifer Fleischner	Kris Fresonke
Steven J. Rubin	Marisa Huerta
Igor Webb	Michael Matto
Susan Weisser	Adam McKeown
	Lahney Preston-Matto

Associate Professor
Judith Baumel

Adelphi's program in English encourages students to discover the pleasures and values of the written word, their own and that of acknowledged masters. The program gives students as comprehensive an acquaintance as possible with the work of major writers and interesting writers who have not yet attained that status. The program also provides a close look at the ways in which good writing gains its power.

The English curriculum emphasizes historical development by requiring students to take the two-semester survey called "British Literature" and courses in each of five eras of British literature. The curriculum also requires study of individual authors, of American literature, and offers courses in several genres in world literature.

The program offers a major and a minor in the field, a concentration in creative writing, and—in conjunction with the program in communications—a journalism concentration. The English major produces the cultural reference and skill in using language artfully that are requisite in any profession—administration, advertising, journalism, law, librarianship, teaching, to name a few—in which language is the paramount tool.

In addition to fulfilling the General Education requirements, English majors must select courses according to the following plan:

Requirements for the Major in English (36 credits)

I. British Literature (6 credits)

ENG 231	British Literature I
ENG 232	British Literature II

II. American Literature (3 credits)

ENG 114	American Greats
OR	
ENG 225	American Literature I
OR	
ENG 226	American Literature II
OR	
ENG 227	American Literature III

III. Major Authors (6 credits)

ENG 241	Shakespeare I
OR	
ENG 242	Shakespeare II
AND	
ENG 240	Chaucer
OR	
ENG 243	Milton

IV. Historical Period Courses (15 credits)

One course from each period:

A. The Middle Ages (3 credits)

ENG 240	Chaucer
ENG 320	Medieval Literature
ENG 344	Major British Author(s)

B. The Renaissance (3 credits)

ENG 241	Shakespeare I
ENG 242	Shakespeare II
ENG 243	Milton
ENG 321	The English Renaissance
ENG 344	Major British Author(s)

C. The Eighteenth Century (3 credits)

ENG 322	English Neoclassicism
ENG 323	The English Novel in the Neoclassical Age
ENG 344	Major British Author(s)
ENG 345	Major American Author(s)

D. The Nineteenth Century (3 credits)

ENG 324	The Romantics
ENG 326	The Victorians
ENG 327	The English Novel in the 19th Century
ENG 344	Major British Author(s)
ENG 345	Major American Author(s)

E. The Modern Era (3 credits)

ENG 227	American Literature: The 20th Century
ENG 301	Masters of Modern Drama
ENG 302	Contemporary Drama
ENG 303	Masters of the Modern Novel
ENG 304	Contemporary Novel
ENG 305	Masters of Modern Poetry
ENG 306	Contemporary Poetry
ENG 328	20th-Century Literature
ENG 344	Major British Author(s)
ENG 345	Major American Author(s)

V. Seminars (3 credits)

ENG 451	Historical Movements (British)
ENG 452	Historical Movements (American)
ENG 454	Special Topics in Changing Forms
ENG 455	Special Topics in World Literature

VI. Electives (3 credits)

Any English course or appropriate course from another department or discipline. (English majors in the secondary education program must take the elective course in the program in English or a literature course offered in the African American and Ethnic Studies program. African American and Caribbean Writers I or II [AAS 262, 263] fulfill the elective credit for English.)

Honors in English

Students graduating with a 3.5 GPA or higher in English courses are eligible for honors in English. The student graduating with the highest GPA in English courses (provided it is at least 3.5) receives the Koster Award and departmental honors.

The Minor

ENG 231, 232	British Literature I and II (6 credits)
ENG 114 or 225 or 226 or 227	American Literature (3 credits)
ENG 241 or 242	Shakespeare I or II (3 credits)
Three other courses in English or African American and Ethnic Studies (9 credits)	

Journalism Concentration

(Offered jointly by the Communications and English departments)

Communications Component

COM 207	Introduction to Journalism
COM 309	Writing for Media
COM 329	Contemporary Journalism
COM 454	Electronic Journalism
COM 493	Professional Internship

English Component

ENG 208	Writing for Newspapers I
ENG 209	Writing for Newspapers II
ENG 210	Copy Editing
ENG 214	Writing for Magazines
ENG 310	Feature Writing
ENG 492	Directed Work Experience

Creative Writing

The program in English offers a pair of courses and occasionally a seminar as a concentration in creative writing. These courses are usually offered each year as follows:

ENG 212	Writing Fiction (Fall Semester)
ENG 213	Writing Poetry (Spring Semester)

Descriptions of the courses can be found under the course listings of the Communications and English programs.

Environmental Studies

Science Building 103

Anagnostis Agelarakis, *Director*

Email: agelarak@adelphi.edu

Professors

Anagnostis Agelarakis, *Anthropology*

Regina Axelrod, *Political Science*

A. Coolidge Churchill, *Biology*

Anthony Cok, *Environmental Studies*

John P. Doohar, *Physics*

James Dooley, *Biology*

Martin H. Garrell, *Physics*

Sung Moon, *Chemistry*

Gottipaty Rao, *Physics*

Associate Professors

Leonisa Ardizzzone, *Education*

Laraine Fletcher, *Anthropology*

David Gleicher, *Economics*

Charles Shopsis, *Chemistry*

Benjamin Weeks, *Biology*

Assistant Professors

H. Sheshadri Arathi, *Biology*

Peter Cohen, *Biology*

Kate Laatikainen, *Political Science*

Mariano Torras, *Economics*

John Vetter, *Anthropology*

Emilia Zarco, *Health Studies*

Environmental studies is an interdisciplinary field that combines scientific and humanistic approaches to the investigation of human interaction with the environment. The complexities of environmental issues present formidable intellectual challenges. Many of the scientific and technological aspects remain to be understood, and analysis of the interplay of cultural, economic,

and political forces requires the thoughtful application of the social sciences and liberal arts.

The faculty of the Environmental Studies Program draw their expertise from a range of disciplines. They are committed to involving students fully in the multidisciplinary nature of environmental problems and searches for solutions. The program's curriculum provides an integrated foundation in both the social-political-cultural and the scientific-technical areas.

The major in this field prepares students for a host of professions, for graduate work in environmental studies or the environmental sciences or for a lifetime of environmentally aware citizenship.

Requirements for a Major in Environmental Studies

(39 or 41 credits)

Requirements for a specialization in Social Sciences and the Environment

ENV 101	Social Sciences and Environmental Problems
ENV 102	Natural Sciences and Environmental Problems
ENV 420	Internship in Environmental Studies (Strongly suggested)

15 credits chosen from

ANT 224	Human Evolution
ANT 229	Humankind, Culture, and the Environment
ECA 111	The Price System
ENV 156	Weather and Climate
POL 212	Environment and Politics

12 credits chosen from

ANT 112	Physical Anthropology
ANT 321	Historic Preservation
ECA 215	Environmental Economics
ENV 260	Environmental Geography
POL 213	Energy Policy
POL 326	Congress, Bureaucracy, and Policymaking

Cognate Courses: 15 credits chosen from

BIO 103	The Living World
<i>AND</i>	
BIO 104	Darwin to DNA
CHE 107	Essentials of Chemistry
<i>AND</i>	
CHE 108	
MAT 113	Survey of Statistics

Requirements for a specialization in the Natural Sciences and the Environment

ENV 101	Social Sciences and Environmental Problems
ENV 102	Natural Sciences and Environmental Problems
ENV 410	Senior Seminar in Environmental Studies
ENV 420	Internship in Environmental Studies (Strongly suggested)

15 credits chosen from

ANT 441	Forensic Anthropology
BIO 234	Principles of Ecology
ECO 111	The Price System
ENV 104	Environmental Geology
ENV 280	Urban Environments
POL 212	Environment and Politics
POL 213	Energy Policy

12 credits chosen from

BIO 243	Botany
BIO 253	Marine Biology
CHE 470	Principles of Toxicology
ENV 310	Water Resources and Hydrology
ENV 323	Marine Resources
ENV 343	Primate Evolution and Adaptations
BIO/ANT 362	Jaws, Teeth and Forensic Dentistry

Cognate Courses: 15 credits chosen from

BIO 111	Concepts in Biological Science
<i>AND</i>	
BIO 112	Methods in Biological Sciences
CHE 111	General Chemistry (1 year of organic chemistry is also strongly suggested)
CHE 112	Statistics (math, psychology departments) or Personal Computers for Scientists (listed in environmental, biology, chemistry departments)
PHY 111, 112	College Physics I, II
<i>OR</i>	
PHY 113, 114	Physics for Science Majors

The Minor (ENV 101 and ENV 102

plus 18 credits minimum)

Students who wish to minor in environmental studies must consult an adviser before choosing their courses.

Students seeking further specialization, or graduate studies, should consult their adviser about possible additional requirements in anthropology, biology, chemistry, political science, or physics.

Options

A variety of curricular options are available to students interested in both business and environmental studies programs.

The environmental studies department has an affiliation agreement with the Center for the Study of Humans in Tropical Environments of the Polytechnic University of Puerto Rico for collaborative efforts in scholarly endeavors, research, and exchange of students and faculty, designed to further understand the dynamics of island biospheres and human intervention in both the Caribbean Basin and the Eastern Mediterranean.

Students interested in secondary education certification for the earth sciences should register for our courses under the *Earth Sciences* listing and EAS (0112) designation.

Students interested in the joint degree programs between Adelphi University and Columbia University's School of Environmental Engineering should consult with Dr. John Dooher at 877-4883.

A great array of minors, internships, and field study opportunities are available for students with varied academic interests.

Please consult our advisers and check our Web site, <http://academics.adelphi.edu/artsci/env>, for current information.

Adelphi University–Columbia University Joint Degree Programs in Environmental Studies

Adelphi University and Columbia University are offering students two exciting program options in environmental studies:

- A five-year program (three years at Adelphi University plus two years at Columbia University) to earn both a B.A. in environmental studies at Adelphi University and a B.S. in earth and environmental engineering from Columbia University;

OR

- A six-year program (four years at Adelphi University plus two years at Columbia University) to earn both a broad-based B.A. in environmental studies and an M.S. in earth resources engineering from Columbia University.

Please see Chapter IX in this *Bulletin* for additional information about this and other joint degree programs.

Honors in Environmental Studies

The standards for Departmental Honors are a 3.5 GPA in environmental studies/earth science courses and completion of an environmental studies seminar with a grade of “B” or better.

Transfer Students

Transfer students at any level are accepted into the environmental studies department. The number of credits and courses that are transferable will be determined on an individual basis. Students transferring from an accredited four-year college must spend at least two semesters in residence at the University working toward a degree in environmental studies. Community college students must complete two years in residence working toward a degree in environmental studies.

History

Blodgett Hall 200

Martin Haas, *Chair*
Email: haas@adelphi.edu

Professors

Dominick Cavallo
Armstrong Starkey

Associate Professors

Lester Baltimore
Martin Haas
Patrick Kelly

Assistant Professors

Dennis Hidalgo
Barbara Skinner
Cristina Zaccarini

History, the study of the human past, is one of the most ancient intellectual pursuits. To be without history is to be without memory, to have no knowledge of who we are and how we came to be. By requiring the development of such intellectual capacities as imagination, reading, writing, critical thinking, and moral judgment, history encourages the full maturation of the mind. Just as important, the study of other people in different times and places expands the student's understanding of what it is to be human.

The history curriculum at Adelphi is a sequence of courses of increasing sophistication designed to transmit historical knowledge and hold it up to scrutiny; sharpen conceptual abilities; promote understanding of process and change; and build proficiency in research. Using both traditional and innovative techniques of historical investigation, students majoring in history analyze and reflect on the past, thereby gaining a rich new perspective on the present.

A major in history prepares students for graduate study in the discipline as well as for the intellectual demands of many other professions, including law, journalism, civil service, banking,

and business. History majors bring to their careers highly valued abilities in research and writing, along with a sophisticated knowledge of world affairs.

Requirements for the Major in History (36 credits)

In addition, 6 credits in non-history cognate courses are required. Appropriate courses will be determined by consultation between student and adviser.

The curriculum of the history major is structured in four stages or tiers.

Foundation Courses (100 level) (12 credits)

HIS 101	Origins of Western Civilization I
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OR

HIS 105	World Civilizations I
HIS 102	Origins of Western Civilization II

OR

HIS 106	World Civilizations II
HIS 103	American Civilization to 1865
HIS 104	American Civilization Since 1865

Research Skills and Historiography (200 level) (3 credits)

HIS 201	Sophomore Seminar in Research Skills
---------	--------------------------------------

Advanced Courses (200–300 level) (18 credits)

Minimum requirements:

United States history—one course

European history—one course

Non-Western history—two courses from different geographical/cultural areas

History electives—two courses

Senior Research Seminar (400 level)

(3 credits)

There is a prerequisite requirement; a student may take this course on designated topics in either American or European history.

NOTE: History majors are limited to a maximum of 45 credits in history.

NOTE: The department of history will accord 3 credits toward the history major for economic history courses ECA 220 European History, ECA 221 American Economic History. For course descriptions see Economics, listed in the School of Business section of this Bulletin.

The Minor

Students who wish to minor in history must consult an adviser before choosing their courses.

**Requirements for the
Minor in History (21 credits)**

HIS 101, 102 Western Civilization I, II
(6 credits)

OR

HIS 105, 106 World Civilizations I, II
(6 credits)

HIS 103 American Civilization I

HIS 104 American Civilization II

3 credits in:

Asian History OR

African History OR

Latin American History

6 credits:

Electives

NOTE: No more than 12 credits in 100-level courses are allowed for the major or minor in history.

Phi Alpha Theta

Students taking 12 credits in history with high academic achievement will be invited to join Phi Alpha Theta, the national honor society in history.

Honors in History

To graduate with honors in history the history major must maintain a GPA of 3.5 in history courses, fulfill all requirements of the major, including the senior research seminar, demonstrate reading competence in a foreign language equivalent to two years of study at the university level, and fulfill all regular requirements for graduation.

**Joint Degree Program in Law
Adelphi University–New York
Law School**

This six-year combined plan program (3 years at Adelphi University and 3 years at New York Law School) enables qualified students to take the required prerequisite courses at Adelphi and transfer to New York Law School after completing their junior year. With careful planning and strong credentials, students receive both a Bachelor's degree from Adelphi University and a J.D. from New York Law School one year earlier than is usually required.

Please see Chapter IX in this *Bulletin* for information about this and other joint degree programs.

Interdisciplinary Major

Science Building 127

Dedicated students with the talent and interest for working independently, and for whom a traditional major may not serve his or her intellectual goals, may petition to complete an Interdisciplinary major of carefully planned work from two or more departments. The student will be supervised by a three-person faculty advisory committee to assure that the program embodies a disciplined cumulative study that moves from elementary through more advanced levels of work. Students should be aware that this option would not always be available to those within a prescribed program leading to professional certification and/or licensure.

Procedures

Students must declare their intention to pursue the Interdisciplinary major prior to the beginning of their fifth semester of study by petitioning a three-person faculty advisory committee. Transfer students with 64 credits or less (including those with a two-year degree from institutions affiliated with Adelphi University) will be eligible to petition for the Interdisciplinary major as well, but not later than their first semester in attendance.

The student's interdisciplinary advisory committee will consist of his/her academic adviser (normally from the discipline most central to the inquiry) as well as two other faculty members selected by the adviser and faculty head/department chair. The three-person committee should be representative of at least two of the areas intended for study. The adviser will notify the dean when new advisory committees and programs of study have been formed.

The student's approved program must have 18 to 24 credits of in-depth work in a single disciplinary area. In addition, the major should total no less than 36 credits, and might be more based upon the decision of the student's advisory committee. Student eligibility for and good standing within the Interdisciplinary Studies major will reflect the standards of the particular unit as well as criteria established by the student's faculty adviser, advisory committee, the faculty head/department chair, and dean's office.

The three-person advisory committee must meet with the declared students once each semester until graduation to discuss their work, progress, and plans for subsequent studies. A brief report of each meeting will be submitted to the related faculty head and dean's office.

Students pursuing the interdisciplinary major will be expected to complete a Senior culminating project reflecting their interdisciplinary study. Projects should be approved by the advisory committee, and notification of successful completion forwarded to the faculty head and dean.

If you think you may be interested in creating an interdisciplinary major, contact your academic adviser or dean's office.

Languages and International Studies

Harvey Hall 226

Marie-Louise Pesselier Vazquez, *Director*
Email: vazquez2@adelphi.edu

Professors

Raysa Amador

Marie-Louise Pesselier Vazquez

Associate Professor

Nicholas A. Carbo

Assistant Professor

Eric Touya

A language is used by people to express themselves—their needs, feelings, and thoughts. Culture is woven into language; thus, when we learn another language, we are better able to understand how and why people of other cultures view the world differently and we also gain insight into their distinctive solutions to universal problems. That is why the study of languages is an important part of the international studies major. This major is a multidisciplinary program that integrates the study of languages and business or languages and political science.

The languages involved in the international studies major are French and Spanish. Courses in Italian, Japanese, English as a second language, and linguistics are also offered.

The curriculum and language laboratory enable students to acquire and expand their fluency (in listening, speaking, reading, and writing) in one or more of these languages, while studying the contributions and institutions of Europe, the Caribbean region and Latin America, and French-speaking Africa and Québec.

The language laboratory, which features interactive audio and video equipment, enables

students to become immersed in the language and culture they are studying.

Requirements for the Major in International Studies

(48–60 credits)

The major consists of 48 to 60 credits to be distributed as follows:

- I. 6 credits in foundation interdisciplinary courses required of all students in the major:
 - INS 101 Introducing Global Issues I
 - INS 102 Global Issues II
- II. 36 credits in one of the following concentrations:
 - A. Language/Business
 - 18 credits in one language (French, Spanish) above Language 122 (Level IV)
 - 18 credits in Business (including INS 341: International Business)
 - B. Language/Political Science
 - 18 credits in one language (French, Spanish) above Language 122 (Level IV)
 - 15 credits in Political Science (including POL 280: Theories and Practice of International Politics)
 - 3 credits in History (to be chosen in consultation with major adviser)

Note: Students will be placed in the appropriate language level after evaluation of a portfolio of previous work done in the language.

- III. 3 credits. Interdisciplinary Mid-Level Research Seminar. To be taken after having completed at least 9 credits in political science and/or business and 6 credits in languages above level IV.
- IV. 3–6 credits capstone. Students must complete one of the following:
 - A. INS 492: 3–6 credit internship (in area relating to language studied).

OR

B. INS 498: 3 credit guided research project.

Business Courses for Business Concentration (3 credits each)

Note: The following corequisites (9 credits) are required for the Business Concentration: Math 110 and Economics 111, 112.

See offerings of the School of Business for descriptions of these courses.

Required

INS 341/BUS 341 International Business

15 credits chosen from:

INS 252/	
BUS 252	Legal and Ethical Environment
ACC 101	Principles of Accounting I
FIN 330	Managerial Finance
MGT 162	Foundations of Management
MGT 366	Organizational Behavior
INS 380/	
MGT 280	Marketing
FIN 311	Financial Markets
FIN 443	International Finance
MKT 480	Advertising Management

Political Science and History Courses for Political Science Concentration

(3 credits each)

See offerings of the political science program for a description of these courses.

Required

POL 280	Theories and Practice of International Politics
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12 credits in Political Science to be chosen from the following in consultation with major adviser:

POL 260	Comparative Politics
POL 305	Race and Politics
POL 360	Western European Political Systems
POL 366	Politics of Development and Underdevelopment
POL 371	Women and Comparative Political Development
POL 380	International Law and Organization
POL 381	American Foreign Policy since 1945
POL 382	International Politics of East and Southeast Asia
POL 383	Comparative Foreign Policy
INS 385/	International Political
POL 385	Economy

3 credits in history to be chosen from level 200 and above, in consultation with major adviser.

Language Courses Required of ALL Students in the Major (12 credits)

Select the FRE or SPA courses from this group.

FRE, SPA 231	Cross-Cultural Concepts (French, Spanish)
FRE, SPA 246	France Today or Spain Today
<i>OR</i>	
SPA 248	Trends and Tendencies in Latin America
FRE, SPA 310	Strategies in Oral Communication (French, Spanish)
FRE, SPA 344	Translation Techniques (French, Spanish)

Additional Language Courses Required of Students in Business Concentration

(6 credits)

FRE 263, 264	Introduction to International Business French I, II
<i>OR</i>	
SPA 263, 264	Introduction to International Business Spanish I, II

Additional Language Courses Required of Students in Political Science Concentration

6 credits to be chosen from:

FRE 292	The French Speaking World
FRE 302, 303	Emergence of Modern France I, II
SPA 246	Spain Today
SPA 248	Trends and Tendencies in Latin America
SPA 325	Development of Latin American Identity

The Minor

Students who wish to minor in a language must complete 18–24 credits in that language, depending on the student's entry level. It is recommended that the student contact language faculty early for individual guidance in the development of an appropriate minor.

A minor allows students to complement their studies, enrich their personal life, and acquire practical skills that can be applied to professional objectives.

Please consult the director of the program for the details of a minor in international studies.

Interdisciplinary Major

Students who are interested in pursuing language studies may elect an interdisciplinary major where language is part of that major. See Interdisciplinary Major section for a description of the major.

Mathematics and Computer Science

Alumnae Hall 111

William Quirin, *Chair*

Email: quirin@adelphi.edu

Professors

Robert Emmett Bradley

David Lubell

Walter Meyer

William Quirin

Associate Professors

Stephen Bloch

Robert M. Siegfried

Assistant Professors

David Chays

Yu Chen

Sean McGuinness

Mathematics is the systematic study of structure, process, and relation. The quintessence of rational thinking, it is a discipline in its own right, while also providing the analytical tools and much of the language of the sciences. New developments in mathematics engendered by the computer revolution have informed the associated field of computer science, where structure, process, and relation reappear as system, algorithm, and interface. The concerns of computer science are not only mathematical and electronic but also philosophical, linguistic, and psychological, and at times closely tied to the business world.

The curricula of mathematics and computer science are progressive. Intermediate-level courses build upon the logic and knowledge gained from the elementary courses, and the advanced courses build upon the foundations of the intermediate courses. The major in mathematics prepares a student for graduate study in mathematics, as well as for a career in teaching, business or a high-tech industry. The computer science major equips a student for both graduate work in computer science and a career in a

computer-related industry. The computer and management information systems major prepares a student for a career in the technological side of the business world, with ample training in both computer science and management.

In addition to the University General Education requirements, the requirements for the major in Mathematics and Computer Science are as follows:

Requirements for the Major in Mathematics (45 credits)

MTH 141	Calculus and Analytic Geometry I
MTH 142	Calculus and Analytic Geometry II
MTH 243	Calculus III
MTH 244	Introduction to Ordinary Differential Equations
CSC-MTH 156	Discrete Structures
MTH 253	Linear Algebra
CSC 160	A First Course in Computer Programming
<i>OR</i>	
CSC 171	Introduction to Computer Programming
MTH 457	Abstract Algebra
MTH 321	Geometry I
<i>OR</i>	
MTH 322	Geometry II
MTH 361	Introduction to Probability Theory
MTH 431	Analysis

Two additional mathematics courses chosen from among:

MTH 321	Geometry I
<i>OR</i>	
MTH 322	Geometry II
MTH 326	History of Mathematics
MTH 351	Theory of Numbers
MTH 355	Symbolic Logic
MTH 362	Mathematical Statistics
MTH 365	Mathematics Applied to Societal Problems

MTH-CSC 366	Introduction to Queueing Theory
MTH 383	Numerical Calculus

Students intending to go on to graduate work in mathematics are urged to take at least one section of the Mathematics Honors Seminar (MTH 290–295).

Requirements for the Major in Computer Science

(58 credits)

MTH 141	Calculus and Analytic Geometry I
MTH 142	Calculus and Analytic Geometry II
MTH 253	Linear Algebra
MTH 361	Introduction to Probability Theory

Plus one course from among:

MTH 351	Theory of Numbers
MTH 355	Symbolic Logic
MTH 362	Mathematical Statistics
MTH–CSC 366	Introduction to Queueing Theory
MTH 383	Numerical Calculus

Plus all of the following:

CSC–MTH 156	Discrete Structures
CSC 171	Introduction to Computer Programming
CSC 172	Introduction to Algorithms and Data Structures
CSC 174	Computer Organization and Assembly Language
CSC 270	Survey of Programming Languages
CSC 271	Software I: Utilities and Internals
CSC 272	Software II: Principles of Programming Languages
CSC 343	Data Structures
CSC–MTH 344	Algorithms and Complexity

CSC 371	Systems I: Computer Organization and Architecture
CSC 471	Senior Project I
CSC 472	Senior Project II

Plus two courses from among:

CSC 302	Artificial Intelligence
CSC 333	Computer Graphics: Image Processing
CSC 372	Systems II
CSC 390	Special Topics in Computer Science
CSC 440	Software Engineering
CSC 443	Data Base Management Systems
CSC 450	Computer Networks
CSC 453	Operating Systems

Computer science majors must take at least one of the following sequences:

BIO 111, 112	Biological Concepts and Methods I, II
CHE 111, 112	General Chemistry I, II
PHY 113, 114	Physics I, II

Requirements for the Major in Computer and Management Information Systems

(52–53 credits)

MTH 110	Pre-Calculus
BFD 272	Analytical & Statistical Modeling
<i>OR</i>	
MTH 114	Statistics for the Sciences
CSC 156	Discrete Structures
CSC 170	Introduction to Computers & their Applications
CSC 171	Introduction to Computer Programming
CSC 172	Introduction to Algorithms & Data Structures
<i>OR</i>	
CSC 173	Visual Programming

BUS 162	Introduction to Business
MGT 262	Principles of Management
ACC 101	Principles of Accounting I
BFD 271	Information Technology & Applications
BFD 373	Management of Production & Operations
CSC 443	Database Management Systems
<i>OR</i>	
OPR 475	Database Management Systems
CSC/OPR 480	Senior Seminar in Information Systems
Plus four courses from among:	
CSC 174	Computer Organization & Assembly Language
CSC 270	Survey of Programming Languages
CSC 271	Software I: Unix
CSC 333	Computer Graphics
CSC 440	Software Engineering
CSC 450	Principles & Techniques of Computer Networking
CSC 390	Special Topics in Computer Science
OPR 471	System Analysis & Design
OPR 474	Data Communication
OPR 478	Management Information Systems

To graduate with a degree in mathematics, computer science, or computer and management information systems, majors must have a GPA of at least 2.0 in all mathematics and computer science courses, with at most one grade lower than a C. This applies to those courses that have been taken at Adelphi in fulfillment of degree requirements.

Advanced standing may be granted at the discretion of a departmental adviser. Prospective majors should consult with a member of the department faculty.

Honors in Mathematics and Computer Science

The department of mathematics and computer science offers departmental honors to majors who achieve a high GPA in the respective major courses, typically a minimum of 3.5. Students must maintain excellent grades through the upper level courses. In addition, a student wishing to earn honors in mathematics must complete the Honors Seminar, one of the one-credit courses numbered 0144-290 through 0144-295.

The Minor

The department offers two minors, one in mathematics and one in computer science. Students wishing to pursue a minor should consult with the appropriate adviser in the department. In addition, it is strongly recommended that students wishing to earn honors in mathematics complete at least one section of the Mathematics Honors Seminars (the one-credit courses numbered MTH 290–295.)

The minor in mathematics includes 22 credits: MTH 141, MTH 142, CSC-MTH 156, MTH 253, MTH 257, and at least one course chosen from among MTH 244, MTH 361, MTH 365, and MTH 383.

The minor in computer science includes 21 credits: CSC 171, CSC 172, CSC 174, CSC-MTH 156, CSC 270, CSC 271, and at least one additional course chosen with the approval of the departmental minor adviser.

Joint Degree Program in Computer Science Human Resource Information Management Transportation Management Adelphi University–Polytechnic University

Adelphi University has joined with Polytechnic University to address the increasing need for professionals whose primary expertise

is the creation, transference and synthesis of information. Students earning their B.A. or B.S. degree in the liberal arts at Adelphi University may earn a M.S. in computer science, human resource or transportation management, after one year at Polytechnic University.

Please see Chapter XI in this *Bulletin* for information about this and other joint degree programs.

Music

Post Hall 22

Paul Moravec, *Director of Music*

Email: moravec@adelphi.edu

Professor

Paul Moravec

Associate Professor

Christopher Lyndon-Gee

Students of music at Adelphi undertake a comprehensive education that prepares them for a range of artistic enterprises, including scholarship, graduate study, and professional careers in education, performance, composition, or music-business. Performance experience is gained through instrumental or vocal lessons; participation in orchestral, choral, or chamber music groups; and participation in musicals, recitals, Broadway reviews, and staged music/theater works. Knowledge of music and its creators is obtained through the study of music theory, sight-reading, and music history. Knowledge of current trends is gained from on-campus visits by musicologists, performers, critics, composers, administrators, and educators.

All majors must, in addition to the University's general education requirements (courses in fields other than the major), complete the required number of credits leading to a Bachelor of Science degree with an emphasis in music. Additional graduation requirements include the performance of a complete public recital and passing a comprehensive senior-level examination that tests the student's knowledge of music literature, history, and theory.

Acceptance as a music major is contingent upon passing a performance audition. Theory and ear-training tests are required for proper placement within the sequence of theory and musicianship courses. This audition and set of tests must be completed before final admission to Adelphi University is granted.

Talent Scholarships

The department of music, in cooperation with the office of admissions, offers several talent scholarships each year to outstanding entering freshmen who show evidence of unusual ability and accomplishment in the media arts.

Requirements for the Major in Music (42 credits)

Theory

MUA 110	Elementary Theory and Harmony I
MUA 111	Elementary Theory and Harmony II
MUA 112	Ear Training, Dictation and Sight Singing I
MUA 113	Ear Training, Dictation and Sight Singing II
MUA 210	Advanced Theory and Harmony I
MUA 211	Advanced Theory and Harmony II
MUA 212	Ear Training, Dictation and Sight Singing III
MUA 213	Ear Training, Dictation and Sight Singing IV
MUA 214	Keyboard Harmony I (<i>optional</i>)
MUA 215	Keyboard Harmony II (<i>optional</i>)
MUA 310	Form and Analysis
MUA 410	Composition (<i>optional</i>)
MUA 413	Conducting and Orchestration (<i>optional</i>)

History

At least four semesters from such offerings as:

MUH 321	Music of the Renaissance
MUH 322	Music of the Baroque
MUH 323	Music of the Classical Period
MUH 324	Music of the Romantic Period
MUH 325	Contemporary Music
MUH 390	American and World Music

Private Instruction

Eight semesters of private lessons in voice or an instrument.

Ensemble Performance

Eight semesters of participation in orchestra, chorus, pop ensemble, or chamber ensemble.

Inter-Arts requirements for all Music

Majors:

MUH 290	The Arts and the Creative Process
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Two courses in other disciplines (art, theater, dance, film, or language)

Note: Students lacking proficiency in piano may be required to take lessons or piano class.

Voice majors may be required to take language classes.

The Minor in Music

The minor in music can be tailored to the individual needs and talents of the student, and may include the following:

- Private instruction (instrumental or vocal) – 2 semesters;
- Ensemble performance – 2 semesters;
- Music theory and/or music history courses.

The student must contact the music department for guidance. Students interested in music/business or music technology studies should contact the chair of the music department.

Performing Arts

Post Hall 4

Nicholas Petron, *Chair; Director of Acting Program*
Email: petron@adelphi.edu

Frank Augustyn, *Director of Dance Program*
Elaine Massas, *Academic Director of Technical Theater/Design Program*

Peter Borchetta, *Technical Director of Technical Theater/Design Program*

Gregory John Mercurio, *Resident Set Designer*

<i>Professors</i>	<i>Assistant Professors</i>
Nicholas Petron	Matthew Gregory
Frank Augustyn	Maggie Lally

Associate Professors

Elaine Massas
Brian Rose

Performing arts majors may choose concentrations in acting, design/technical theater, or dance to prepare for a lifetime of practice in drama, music, and dramatic movement. Adelphi's programs offer a unique blend of theatrical practice—the skills, crafts, and attitudes necessary to succeed in the performing arts—with the tradition of liberal learning through which each new generation of creators and critics reinterprets and revitalizes these arts. To this end, the department of performing arts offers programs leading to a B.F.A. degree in dance and a B.F.A. degree in theater arts with specializations in acting and design/technical theater.

Acting Program

The acting program educates students for work in the theater and its allied branches. While a performing arts education provides students with the skills and attitudes necessary for a life in the theater, it also seeks to awaken in

the student a creative sensibility through a serious study of the traditions and literature of the theater. Because the program recognizes the importance of both aspects of the performer's training, the acting curriculum, which offers a spectrum of basic and advanced acting styles, takes place in a liberal arts setting.

All acting majors, after being accepted by audition, spend the first four semesters acquiring the basic vocal and physical skills required of the actor. The second four semesters are devoted to refining, polishing, and honing these skills. Throughout the entire four years, students participate in a wide array of performance activities, including technique and class scene study, solo and ensemble work in chamber theater, cabaret, and community performances. The program takes advantage of the University's location just outside New York City, the world center of theater, by encouraging and arranging field trips to studios, theaters, and production centers, and by inviting well-known working professionals to campus to conduct master classes.

Design/Technical Theater Program

In the design/technical theater program, students are trained in the many design aspects and technical functions of the performing arts. This study involves analysis and comparison of the historical, critical, and aesthetic contexts in which the dramatic tradition has developed.

In their third year, students will have an interview and portfolio review. They will then choose, with the advice of faculty and staff, a specialty in one of the major areas of theater technology, design (scenic, costume, lighting), or stage management.

Dance Program

A dance education at Adelphi encourages the student to understand dance as an exploration of movement as well as an expression of culture and self. The program is performance-based, with equal time spent in the classical and modern techniques and creative traditions.

Workshops, senior projects, and Dance Adelphi offer many opportunities for performance.

All prospective dance majors are required to attend mandatory auditions, which are reviewed by faculty. The audition consists of a short class in classical ballet and one in contemporary dance.

Talent Scholarships

The department of performing arts in cooperation with the office of admissions, offers several talent scholarships each year to outstanding entering freshmen who show evidence of unusual ability and accomplishment in the media arts.

Requirements for the Major in Theater Arts: Acting (56 credits)

Introductory Courses

PFA 100	Improvisation
PTD 103	History and Application of Theater Technology
PFA 130	Mechanics of Voice Production
PFA 150	Character Development
PTD 153	Introduction to Costumes
PFA 180	Voice Projection

Foundational Courses

PFA 200	Text Analysis
PFA 210	Theater History I
PFA 230	Diction (Erasing the Local Accents)
PFA 250	Scene Study
PFA 260	Theater History II
PTD 269	Makeup for the Stage
PFA 280	Diction (Projection—Working with the “Accentless” Voice)
PFA 304	History and Performance of Drama I (Greeks to Jacobean)
PFA 340	Rudiments of Directing
PFA 354	History and Performance of Drama II (Jacobean to Present)
PFA 380	Stage Accents

Advanced Courses

PFA 400	Auditioning
PFA 404	Futurism and Surrealism
PFA 450	Acting for the Camera
PFA 454	Realism
PFA 481	Manhattan Production

Total of six semesters of the following two courses:

PFD 248	Period Movement
PFD 298	Period Movement

Crew hour requirements (all majors must complete the following hour requirements)

Freshmen	45 (per semester)
Sophomores	40 (per semester)
Juniors	35 (per semester)
Seniors	Exempt

Requirements for the Major in Theater Arts: Design/Technology (58 credits)

Introductory Courses

PTD 101, 151, 201, 251, 301, 351	Research, Rehearsal, and Production
PTD 103	History and Application of Theater Technology
PTD 115	Mechanical Drafting
PTD 153	Introduction to Costumes
PTD 165	Scenographic Techniques
PTD 169	Sound
PFA 210	Theater History I
PTD 213	Property Construction
PFA 260	Theater History II

Foundational Courses

PTD 223	Stage Management
PTD 241	Costume Construction
PTD 269	Makeup for the Stage
PTD 313	Advanced Technical Theater
PTD 315	Scene Design I
PTD 317	Lighting Design I
PTD 319	Scene Painting
PTD 331	Draping and Pattern Making
PTD 333	Costume Design I

Advanced Courses

PTD 365	Scene Design II
PTD 367	Lighting Design II
PTD 383	Costume Design II

Some applied electives are: art and art history courses for designers; dance therapy and composition and directing for stage managers; and any acting or dance course for all technical/design majors. It is strongly suggested that all technical theater/design majors take theater history.

Requirements for the Major in Dance (52 credits)

In addition to the General Education requirements, the course requirements for the Bachelor of Arts degree with a major in dance are as follows:

- Ballet and modern dance (36 credits);
- Theory and composition (6 credits);
- Dance history and criticism (6 credits);
- History and Application of Theater Technology (2 credits);
- Introduction to Costumes (2 credits).

Honors in Performing Arts

Honors in acting, design, and dance are based on excellence in performance and production over the student's four-year program at Adelphi.

Performing Arts Minors

Requirements for the Minor in Theater Arts: Acting (27 credits)

PFA 108,109	Beginning Acting & Dramatics (3 credits each)
PFA 111	Introduction to the Professional Theatre (2 credits)
PFA 210, 260	Theatre History I & II (3 credits each)
PFA 340, 360	Rudiments of Directing & Directing (2 credits & 3 credits)

PFD 248, 298	Period Movement (2 credits each)
PTD 103	History and Application of Theatre Technology (2 credits)
PTD 153	Introduction to Costumes (2 credits)

All minors in acting, dance or design/technology must complete, over and above class requirements, the following Tech Hours: 24 hours per semester during first year; 20 hours per semester during second year; and 18 hours per semester during third year. A minor entering at a grade level other than first year completes the hours appropriate to the year entered but must take all courses in the minor.

Requirements for the Minor in Dance (26 credits)

PFD 110, 160, 210	Ballet (2 credits each)
PFD 125, 175, 225	Modern Dance (2 credits each)
PFD 221, 271	Dance Theory and Composition (2 credits each)
PFD 236	Dance History (3 credits)

Select seven credits from the following:

PFD 260	Advanced Ballet (2 credits)
PFD 275	Advanced Modern Dance (2 credits)
PFD 350	Dance Adelphi (3 credits)
PFA 108	Beginning Acting (2 credits)
PFA 260	Theatre History I (3 credits)
PTD 333	Costume Design I (3 credits)
MUA 110	Elementary Theory and Harmony I (3 credits)
MUA 112	Ear Training, Dictation and Sight Singing I (1 credit)

Dance minors are responsible for fulfilling departmental minor Tech Hours (24 hours per semester during first year; 20 hours per semester during second year; 18 hours per semester during third year) above and beyond class requirements and may audition for both acting and dance opportunities. The programs are under no obligation to cast from that audition.

Requirements for the Minor in Theatre Design/Technology

(26 credits)

PTD 101, 151, 201, 251, 301, 351 Research, Rehearsal, and Production (2 credits each)

PTD 103 History and Application of Theatre Technology (2 credits)

PTD 153 Introduction to Costumes (2 credits)

Select ten credits from below with departmental advisement:

PTD 115 Mechanical Drafting (2 credits)

PTD 165 Scenographic Techniques (2 credits)

PTD 169 Sound (2 credits)

PTD 213 Property Construction (3 credits)

PTD 241 Costume Construction I (3 credits)

PTD 223 Stage Management I (3 credits)

PTD 313 Advanced Technical Theatre I (3 credits)

PTD 319 Scene Painting I (2 credits)

PTD 331 Draping and Pattern Making (2 credits)

PTD 315, 365 Scene Design I, II (2 credits each)

PTD 317, 367 Lighting Design I, II (2 credits each)

PTD 333, 383 Costume Design I, II (2 credits each)

PFA 210, 260 Theatre History I, II (3 credits each)

Design/Technology minors are responsible for fulfillment of the departmental minor Tech Hour policy (24 hours per semester during first year, 20 hours per semester during second year, and 18 hours per semester during third year) above and beyond class requirements and may audition for departmental productions with no guarantee of casting.

Philosophy

Harvey Hall 216

Paul Mattick, Jr., *Chair*

Email: mattick@adelphi.edu

Professors

Stephen A. Greenfield

Paul Mattick, Jr.

Richard Olsen

Assistant Professor

Wendy Hamblet

The word philosophy has its origins in a Greek term that means the “love of wisdom.” Because wisdom for the ancient Greeks was thought to depend on the acquisition of knowledge, the subject originally included almost all areas of knowledge. When the amount of knowledge in each subdivision of philosophy became so great that a single person could not master them all, each of the sciences became a discipline in its own right. Philosophy was then left with the task of attempting to answer the great questions that transcend the scope of any one science. These questions include: What is the ultimate nature of the world? What is the proper way for a human being to behave in it? Does God exist? How can we tell knowledge from error?

Students may choose to major or minor in philosophy. In consultation with an adviser and in addition to the University General Education requirements, students majoring in philosophy work out a course of study most suitable to individual needs and interests. The student must, however, have a firm grounding in both the history of philosophy and contemporary philosophical thought.

Requirements for the Major in Philosophy (30 credits)

PHI 110	Introduction to Philosophy
PHI 212	Ethics and Morality
PHI 280	Deductive Logic
PHI 311	The History of Philosophy I
PHI 312	The History of Philosophy II
PHI 313	The History of Philosophy III
PHI 330	Existentialism and European Thought
PHI 331	Analytic Philosophy and Pragmatism

Electives (6 credits)

PHI 498, 499	Senior Project for Majors in Philosophy; though not required, it is highly recommended, especially for those expecting to do graduate work in philosophy; no student will be awarded honors in philosophy without completing it.
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The Minor

To minor in philosophy, a student must take 18 credits. In consultation with an adviser, students should design a coherent program that will complement their major field of study. For specific suggestions the student should contact a philosophy adviser.

Physics

Blodgett Hall, Lower Level

Gottipaty Rao, *Chair*
Email: rao@adelphi.edu

Professors

Henry F. Ahner
John P. Doohar
Martin H. Garrell
Eugene Hecht
Gottipaty N. Rao

Assistant Professor

Sean Bentley

Physics is the study of energy and matter and their interactions. Historically, it has been characterized by the search for simple, unified explanations of phenomena. Its theories, supported by research and expressed in precise, elegant mathematics, yield insight into the nature of the universe. Physics education at Adelphi encompasses all aspects of the discipline, including theoretical physics, classical and modern physics, materials science, and energy studies.

Students majoring in physics have several alternatives. The major leading to the Bachelor of Arts in physics is for those seeking a broad scientific and liberal arts education. The program helps students understand how physics relates to and can help solve contemporary social and technological problems. The major leading to the Bachelor of Science in physics offers a more thorough, comprehensive concentration in the discipline. For students interested in engineering, the department offers the 3–2 physics/engineering program. After completing three years at Adelphi, a student in this program will transfer to an engineering school for two years of specialization in engineering disciplines.

Recognizing the importance of experimental research to students' intellectual growth, the

Department of Physics has completely modernized its laboratory facilities over the last few years. Undergraduate research in energy, lasers and optics, and theoretical physics is now part of the curriculum.

Requirements for the Major in Physics Leading to the B.A. Degree

(120 credits)

Major Requirements (52 credits)

PHY 113	Physics for Science Majors I
PHY 114	Physics for Science Majors II
PHY 211	Introduction to Mathematical Methods in Physics
PHY 216	Physics III—Introduction to Physics of Atoms, Nuclei, and Solids
PHY 230	Mechanics I: Statics
PHY 260	Thermodynamics and Kinetic Theory
PHY 264	Optics
PHY 322	Advanced Physics Lab
PHY 380	Electromagnetic Theory
PHY 428	Quantum Mechanics
MTH 141	Calculus and Analytic Geometry I
MTH 142	Calculus and Analytic Geometry II
MTH 244	Introduction to Differential Equations
MTH 253	Linear Algebra

(Students are strongly advised to take MTH 243 Calculus III as an elective.)

Open electives (39 credits) are chosen in consultation with the major adviser.

In addition to the General Education requirements (28 credits) a student enrolling in this program can minor in another field of study offered by the College of Arts and Sciences.

Requirements for the Major in Physics for Pre-Engineering students leading to a B.A. degree from Adelphi and a B.S. in Engineering from the co-operating institution (e.g., Columbia University)

Major requirements (66 credits)

The following courses are required in addition to the 52 credits that are required for the Major in Physics leading to the B.A. degree:

CSC 171	Introduction to Computer Programming
CSC 172	Introduction to Algorithms and Data Structures
CHE 111	General Chemistry I
CHE 112	General Chemistry II

Electives (21 credits)

These electives will depend on the engineering program selected and will be taken both at Adelphi and the co-operating engineering school. Electrical engineering programs require either PHY 243 (Analog Circuits) or PHY 244 (Digital Circuits) which are both four-credit courses.

All students must complete Adelphi's General Education requirements (28 additional credits) in order to receive the B.A. degree from Adelphi.

Requirements for the Major in Physics Leading to the B.S. Degree (120 credits)

Major requirements (62 credits)

PHY 113	Physics I—Mechanics, Waves, and Thermodynamics (calculus based)
PHY 114	Physics II—Electricity, Magnetism, and Optics (calculus based)
PHY 211	Introduction to Mathematical Methods in Physics I

PHY 216	Physics III—Introduction to Physics of Atoms, Nuclei, and Solids
PHY 230	Mechanics I: Statics
PHY 231	Mechanics II: Dynamics
PHY 244	Digital Circuits
PHY 260	Thermodynamics and Kinetic Theory
PHY 264	Optics
PHY 301	Mathematical Methods in Physics
PHY 322	Advanced Physics Lab
PHY 380	Electromagnetic Theory
PHY 428	Quantum Mechanics

Students who have taken College Physics (PHY 111 and 112) and who are interested in Pre-engineering or a physics major are required to take PHY 261: Computational and Problem Solving Methods in Physics. This course covers the methods of calculus and computer techniques for solving a variety of problems in mechanics and electromagnetism.

MTH 141	Calculus and Analytic Geometry I
MTH 142	Calculus and Analytic Geometry II
MTH 244	Introduction to Ordinary Differential Equations
MTH 253	Linear Algebra

Recommended Electives (students are encouraged to take at least one course from this group of highly recommended electives)

PHY 243	Analog Circuits
MTH 243	Calculus III
CHE 111	General Chemistry I
CHE 112	General Chemistry II

Open Electives (25 credits)

Advanced Level Elective Courses: A Bachelor of Science candidate in physics is required to take 25 credits of open electives. A student may choose, in consultation with the faculty adviser, a number of advanced level

elective courses offered by the physics department or other disciplines.

Requirements for the

Minor in Physics (24 credits)

PHY 113 Physics for Science Majors I

PHY 114 Physics for Science Majors II

PHY 211 Introduction to Mathematical
 Methods in Physics

PHY 216 Modern Physics

(Eight (8) credits to be taken in physics in consultation with a faculty adviser)

Joint Degree Programs in Engineering

To facilitate the combination of a broad liberal arts program with a professional education in engineering, Adelphi University offers selected students an opportunity to participate in an integrated five-year program (3 years at Adelphi and 2 years at the cooperating institution) leading to the Bachelor of Arts degree in physics from Adelphi and a Bachelor of Science degree in an engineering field from colleges and universities including: Columbia University; Polytechnic University; Rensselaer Polytechnic Institute; and Stevens Institute of Technology.

Please see Chapter IX of this *Bulletin* for information about this and other joint degree programs.

Transfer Students

Transfer students at any level are accepted into the physics department. The number of credits and courses transferable will be determined on an individual basis. Students transferring from an accredited four-year college must spend at least two semesters in residence at the University working toward a degree in physics. Community college transfer students must complete at least 56 credits (approximately two years) in residence working toward a degree in physics.

Political Science

Blodgett Hall 202

Regina Axelrod, *Director*
Email: RSA@adelphi.edu

Professors

Regina Axelrod
Hugh A. Wilson

Associate Professor

Lawrence R. Sullivan

Assistant Professors

Katie Laatikainen
Traci Levy

Political science is the study of the forms and processes of government that every society and social organization require. The discipline also examines the role of political systems in determining the rules by which members of a community live, the community's principles and goals, and the nature and sources of political obligation.

The curriculum of the department is organized into five fields: American government and politics, political theory, comparative government, international politics, and American public policy. Understanding of political processes equips members of a democratic society with the knowledge needed to act responsibly. The study of political science also offers an excellent intellectual foundation for many careers, including law, education, government service, business, communications, campaign management, and management consulting.

The department's programs use the world as a laboratory for linking theoretical concerns with practical realities. The faculty encourage students to read with understanding, express ideas with clarity and force, and analyze political problems and issues systematically.

In addition to General Education requirements, the requirements for the major in political science are as follows:

Requirements for the Major in Political Science (36 credits)

15 credits *within the department*:

POL 101	Introduction to the American Political System
POL 102	Introduction to Politics
POL 240	Political Theory in Historical Perspective
POL 260	Comparative Political Analysis
POL 280	Theories and Practice of International Politics

Majors should complete introductory-level courses before 300-level courses in any given field.

In addition, 6 credits from the offerings in:

Political Theory
Comparative Politics
International Politics

Plus 15 credits of:

Electives from among the total offerings of the department, including a 400-level seminar.

Also recommended are courses in related disciplines.

All graduating majors must have earned a 2.0 minimum GPA in political science courses. The Pass/Fail option cannot be used to meet department requirements for a political science major except for a maximum of 9 credits of internship work. For departmental honors, a 3.5 minimum GPA is required, plus a seminar with a grade of "B" or better.

Washington Internship Program

This program is for any student wanting to spend a semester or summer as an intern in Washington, D.C., while receiving 12 or 15 Adelphi academic credits. Preference is given to those applying for internships in their sophomore/junior year or the first semester of their senior year. Prerequisites consist of: three political science courses, including a seminar; a 3.3 GPA overall; and approval of the Political Science Internship Committee. To comply with the preceding prerequisites, students must apply in the spring and take the required Public Policy Seminar, which is offered every fall semester. Interns work 4 1/2 days per week in an executive agency, Congressional office, interest group office, judicial agency, or other position. Each intern receives 9 credits (6 in the summer program) for the internship itself. While in Washington, each intern also takes a 3-credit course related to the internship. Finally, the intern submits a paper at the close of the internship comparing relevant scholarly literature with the student's experience. This paper is worth a final 3 credits, for a total of 15 credits for the fall and spring semester internships and 12 for the summer program. The internship itself is graded on a High Pass, Pass, or Fail basis; the course and paper are graded on a regular A to F scale.

Students pay regular Adelphi tuition for the 12 or 15 credits they receive for the internship. Students are responsible for housing costs in apartments provided by the Washington Center. The Center also provides the placement, guidance, and supervision of the interns while in Washington, with a member of the political science faculty serving as a liaison. The only expenses the student must meet beyond this are for food and transportation. Scholarships are available.

Applications and further information are available from the faculty.

The Political Science Minor

It is recommended that the student contact faculty for individual guidance in the development of an appropriate minor. This minor consists of 18 credits distributed among the five fields of political science.

The Political Science Minor with a Prelaw Concentration

(This concentration can also be pursued by political science majors.)

Students interested in pursuing the prelaw concentration as a political science minor should contact the Department of Political Science, to declare the minor and to be assigned a prelaw adviser in the department. Political science majors who wish to pursue the prelaw concentration should work with their regular faculty adviser. Prelaw preparation is described further in the section titled "Pre-professional Preparation" in this *Bulletin*.

The Political Science Minor in Public Service

The minor in public service is designed to develop commitment to public service and instill public-regarding values, including the value of good citizenship as a vital component of a democratic polity. Students take the Washington internship (see above). The minor is not intended for political science majors.

Prerequisites: American government or national issues (6 credits); International politics or comparative politics or political theory (3 credits); Seminar in Public Policy (offered every fall semester) (3 credits).

Other Programs

Albany Internship

During the spring semester student interns take courses and seminars in Albany and have an opportunity to participate in the workings of the New York state legislature. Interns may earn 3–9 credits. They may be taken with either POL 358 and 359, or with both at the discretion of an adviser. Internships of 6 or 9 credits must be taken with both POL 358 and 359, for a total of 12 or 15 credits:

- POL 357 Public Affairs Internship
 (3–9 credits)
- POL 358 Public Affairs Tutorial (3 credits)
- POL 359 Directed Research Public Affairs
 (3 credits)

Prerequisites: POL 101 and completion of 6 credits of political science under one of the following options:

Option A

Additional course from among the appropriate offerings of the department

- POL 429 Seminar in Public Policy

Option B

Two additional courses from among the appropriate offerings in the department

The Albany internships are open to majors of all disciplines. Preference is given to juniors and first semester seniors. Applications should normally be made one calendar year in advance of the internship semester.

The Albany internships normally require a 3.3 GPA and approval of the Political Science Internship Committee.

Prelaw Internships are an opportunity to familiarize the student with the American legal system by working in a law office.

Local Internships are placements in the United Nations, Congressional district offices, interest groups, and other appropriate settings.

International Studies Program

See details in this *Bulletin* under Languages and International Studies.

European Studies Program

The European Studies Program seeks to promote understanding and appreciation of the richness of history, politics, literature, language, economics, arts, and culture of modern Europe.

The concentration in European studies comprises 18 credits selected from history, political science, art history, economics, communications, languages, philosophy, and English. Please see the political science or history departmental chairs for advisement.

Honors in Political Science

The standards for Departmental Honors are a 3.5 GPA in political science courses and completion of a political science seminar with a grade of “B” or better.

Pi Sigma Alpha

Pi Sigma Alpha is the national Political Science honor society with over 420 chapters at most leading colleges and universities in the United States. The qualifications for membership in the Adelphi chapter of Pi Sigma Alpha are: (1) at least four political science courses, including one course at the 300 level, with grades of “B” or better; and (2) an overall University GPA of at least 3.0. One need not be a political science major to be a member.

Sociology

Blodgett Hall 102

Sally Ridgeway, *Director*
Email: ridgeway@adelphi.edu

Professor
Salvatore Primeggia

<i>Associate Professors</i>	<i>Assistant Professors</i>
Michael Givant	Stephanie Lake
Pierre Hegy	Deborah Little
Sally Ridgeway	

Sociology is the systematic study of the organization and condition of society. Using both empirical and conceptual tools, the discipline analyzes the behavior of groups and the workings of social institutions. Sociology is empirical in the sense that most sociologists gather facts, but facts do not speak for themselves. Uncovering the underlying patterns that make facts meaningful is the purpose of social theory. Sociology offers a coherent method by which social patterns can be brought to light and applied to the making of social policy decisions. The student sociologist learns to observe, measure, report, analyze, and draw conclusions about human social behavior in all its complexity.

A major in sociology is solid preparation not only for graduate study in the field but for careers in teaching, advertising, law, and administration. In both the public and private sectors, sociologists are called upon to collect data, analyze results, and generate new knowledge.

In addition to General Education requirements, the requirements for the major in sociology are as follows:

Requirements for the Major in Sociology (38 credits)

New majors, except freshmen, must have a minimum University-wide average of C. New majors who are seniors must have had a minimum of three prior sociology courses, with a minimum grade of C in each course. Sociology majors must have a minimum grade of C in all the following required sociology courses.

SOC 100	Introduction to Sociology
SOC 105	Culture and Society
SOC 200	Sociological Statistics
SOC 201	Sociological Research Methods
SOC 202	The Classics of Social Thought
SOC 203	Contemporary Sociological Theories
SOC 498	Practicum in Sociology

Majors are also required to take four additional courses in sociology, and two additional “cluster” courses in anthropology. These cluster courses must be selected with adviser’s approval. One non-sociology elective is admissible with the adviser’s approval.

Course Sequence for Sociology Majors

Majors in sociology should take SOC 100 and SOC/ANT 105 first, and SOC 202 The Classics of Social Thought and SOC 200 Sociological Statistics no later than the spring term of their junior year. During the fall semester of their senior (or junior) year, sociology majors take SOC 201 Sociological Research Methods and SOC 203 Contemporary Sociological Theories.

Majors’ Seminars

The sociology department offers a Majors’ Seminar (SOC 386), which adds variety to our curriculum because its content is different each year.

Honors in Sociology

Students who graduate with a GPA of 3.5 or higher will be granted honors in sociology.

The Minor

Students minoring in sociology are required to take SOC 202 The Classics of Social Thought, SOC 201 Sociological Research Methods, and SOC 203 Contemporary Sociological Theories, and four additional electives in sociology.

Center for African American and Ethnic Studies

Harvey Hall 219

Marsha J. Tyson Darling, *Director*,
Professor of African American and Ethnic Studies
 Email: darling@adelphi.edu

The Center for African American Studies is building on three decades of success in offering interdisciplinary teaching, scholarship, and cultural programming, to become the Center for African American and Ethnic Studies. With an enlarged scope that continues to include the Center's original mission of offering a minor that emphasizes studying people of African descent, the Center is proud to announce that its academic and programmatic focus will be expanded over the next few years to include the study of Chicano-a/Latino-a Americans, Asian Americans, and Native Americans. Emphasis will continue to be on providing a scholarly, interdisciplinary minor that focuses on exploring the history, culture, and contemporary dimensions of America's four largest racial/ethnic groups.

The Center's global vision and the minor in African American and Ethnic Studies offers a broad and interdisciplinary range of courses that prepares students to examine and develop concepts and theories to build a greater understanding of the historical, cultural, socio-economic, and political experiences of people of color. The Center draws on the faculty of the arts, humanities, natural and social sciences, and the professional schools in developing a broad and interdisciplinary range of courses and scholarly perspectives for its minor. The minor emphasizes the study of history, literature and the arts,

culture and society, and contemporary issues. The minor in African American and Ethnic Studies enhances employment opportunities in a culturally diverse workplace, and graduate school opportunities in professions such as business, education, government, law, journalism, marketing, teaching, and social work. The Center's academic and cultural programs and activities are designed to enrich Adelphi and its neighboring communities. They are available to all students of the University regardless of their major, concentration, race, or ethnicity.

Requirements for Minors in African American and Ethnic Studies (18 credits)

Required:

Humanities:

AAS 304/HIS 304	African American History I
AAS 305/HIS 305	African American History II

Social Science:

AAS 306/POL 305	Race and Politics
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Plus 3 additional electives (for a total of 9 credits) recommendations are:

AAS 260	African American and African Caribbean Writers I
AAS 261	African American and African Caribbean Writers II
AAS 130	History of Black Dance in America
AAS 135/PFA 135	History of Black Performing Arts
AAS 140/PFA 140	Black Drama Workshop
AAS 361/HIS 361	African History
AAS 317	The Civil Rights Movement

AAS 208	Elements of Black Culture
ANT 222	The Myth of Race
MUH 238	Jazz—'20s, '30s, & '40s
POL 366	Political Economy of Development and Underdevelopment
POL 371	Women and Comparative Political Development
SOC 271	Race in the United States

Latin American Studies

Harvey Hall 224

Raysa E. Amador, *Director*

The goal of the Latin American Studies program is to examine issues related to the region and to the history of the North American Hispanic groups. The field of study brings together the diverse regions of Mexico, Central and South America, and the Caribbean. Students will find that Latin American culture consists of not only Western but also Chinese, Japanese, African, and pre-Columbian strands and that a great variety of languages are spoken, such as Maya, Zapotec, Quechua, Spanish, Portuguese, French, Papiamentu, Patois, and Creole.

The program will prepare students to be informed about and sensitive to the needs of the multicultural population of the South and North American continents.

Requirements for the Latin American Studies Major (36 credits)

Students wishing to major in Latin American Studies must demonstrate proficiency in the use of Spanish by the end of their junior year. This proficiency may be demonstrated by examination or by completing 6 credits in Spanish. Students may take additional courses if they need or desire special training.

Anthropology (6 credits)

ANT 111 Cultural Anthropology
ANT 245 Peoples and Cultures of
Mesoamerica
(See departmental offering)

Economics (3 credits)

ECO 101 Introduction to Economics

History* (6 credits)

Language* (6 credits)

SPA 231 Spanish Cross-Cultural
Concepts

Political Science* (6 credits)

Sociology* (3 credits)

Spanish* (6 credits)

SPA 531 Caribbean Culture and
Civilization (This course may
be taken for undergraduate
or graduate credit.)

Overseas Opportunities

At the junior level, a qualifying student may apply for a Provost Scholarship to study abroad for one semester at an accredited Latin American or Caribbean university. Students may also study overseas through the International Student Services/Study Abroad program.

* Courses chosen in consultation with major adviser.

Pre-Professional Preparation

Prelaw Preparation

Blodgett Hall 200

Patrick J. Kelly, *Chair, Prelaw Council*
Email: kelly2@adelphi.edu

The best advice to the student preparing for law school is contained in the Prelaw Handbook, issued yearly by the Association of American Law Schools and the Law School Admission Council. Students are urged to read this advice in its entirety. Essentially, the student is reminded that law “is a profession to which all of life is relevant. It deserves an education befitting its nature.” No particular major is singled out as best for prelaw preparation. Rather, what the law schools seek is “the ability to express thoughts with clarity and force,” “understanding of human institutions and values,” and “the power to think clearly, carefully, and independently.”

To express ideas with clarity and force, students must master the art of writing. Beyond this, they must learn to read works of literature and exposition with comprehension and speed, and should continuously practice speaking and debate. Understanding human values and institutions is a lifetime goal, but the best opportunity to begin this quest is during one’s undergraduate years. Careful study within each of the great divisions of human knowledge—the humanities, the sciences, and the social sciences—is indispensable.

Prelaw students must develop the capacity to think creatively. This capacity depends on the skills and understanding already discussed, and also on the ability to conduct research; to reason deductively, inductively, and by analogy; and to synthesize what one has learned. Students must be able to think logically, imaginatively, and

scientifically. Above all, they must learn to cope with “the plasticity and ambiguity of fact and theory” found in the humanities and social sciences.

Guidance of prelaw students at Adelphi rests with the Prelaw Council. The council advises students on the development of individually tailored programs of undergraduate study in preparation for law school; maintains a small library of prelaw materials, law school bulletins, and information on the LSAT; teaches its own prep course; sponsors workshops and conferences on campus; and gives assistance in choosing a law school and handling applications and recommendations. Prelaw students are urged to register with the Chair of the Council, Blodgett Hall 200.

Please see “History” for more about the prelaw concentration of study, as well as Chapter IX in this *Bulletin* for information about Adelphi’s joint degree program in law with New York Law School.

Premedical Preparation

Science Building 201

Charles S. Shopsis, *Chair, Premedical Council*
Email: shopsis@adelphi.edu

The health professions are popular career goals for Adelphi students. Students preparing for medical, dental, veterinary, optometry, podiatry, or chiropractic school (“pre-meds”) may major in any subject but must take general chemistry, organic chemistry, general biology, and physics (all one year sequences) and at least one semester of math or statistics. Careful planning is important because the required science courses must be completed by the end of the junior year, at which time the national pre-professional examinations (Medical College Admissions Test [MCAT], Dental Admissions Test [DAT], etc.) should be taken.

Admission to health professional schools requires excellent grades, good performance on standardized tests (which test reading, reasoning, mathematical skills and science knowledge), and documented interest in the profession, as evidenced by relevant volunteer work or employment and knowledge of the profession.

All pre-med students should register with the Premedical Council in Science 201 early in their college career and no later than the end of their sophomore year. In the fall of their junior year students should make an appointment with a member of the Premedical Council to discuss the application procedure and initiate the process of preparation of the required letter of evaluation. Early consultations with the departmental adviser, and premedical adviser are recommended to discuss career plans, assure appropriate course selection, and monitor student progress.

Premedical students can keep abreast of current details concerning admission requirements, application procedures, required standardized tests, and summer programs by checking the premedical bulletin boards on the first floor of the Science building; logging in to Adelphi's premedical web page (<http://academics.adelphi.edu/artsci/premed/>); subscribing to the premed e-mail list (see web page for instructions); and participating in the Premedical Honor Society (Alpha Epsilon Delta, AED). AED has a bulletin board near Science 119 and a mailbox in Science 103. Books on the application process, test preparation, and medical school bulletins are kept in the reserve or reference sections of the Science library.

Students with a bachelor's degree can prepare for health professional school admission by participating in the post-baccalaureate premedical program. Candidates with degrees in non-science disciplines can take the required premedical courses and appropriate ancillary courses and receive counseling and letters of evaluation in support of their professional school applications.

Science graduates interested in becoming health professionals may also participate in this program and may benefit by enrolling in the M.S. program in biology to improve their pre-medical credentials. They too will receive full premedical support services.

More information about these programs can be obtained from Professor Charles Shopsis at (516) 877-4140 or shopsis@adelphi.edu.

(See the Biology section of this *Bulletin* for more information about premedical study as well as Chapter IX for information about Adelphi's joint degree programs in optometry, dentistry, and physical therapy. The M.S. program in Biology is described in a separate *Graduate Bulletin* available from the Office of Admissions.)

Pre-engineering Preparation

Blodgett Hall, Lower Level

For information about the pre-engineering program please see "Physics" in this chapter. For information about Adelphi's joint degree programs in engineering please refer to Chapter IX.

Women's Studies

Levermore Hall 303

Sally Ridgeway, *Director*, Blodgett Hall, 105
Email: ridgeway@adelphi.edu

Women's Studies offers a minor in an interdisciplinary field of scholarship that focuses on the changed and changing roles of women in the modern world. By minoring in women's studies, students delve into areas of knowledge relevant to both men's and women's lives today. Courses are available in a number of departments in the arts, humanities, and social sciences, including history, political science, English, communications, psychology, and sociology.

The Women's Studies program challenges negative stereotypes of women; employs conceptual categories that make women's experiences visible; treats women's experiences as equal in importance to those of men; and identifies values, traditions, practices, and perspectives that can be considered distinctively female. Students become aware of gender constructions found in all areas of their own lives, allowing them to better prepare for our contemporary world where family and work are rapidly changing around gendered issues, including care for children, affirmative action and other work issues, sexuality, and changing definitions of family life and roles. Whatever their ideals and beliefs, students in this program will be better able to make informed decisions about the debated concerns underlying changing policies and legislative issues. This program is of value to students entering any professional field and will better inform them for the many personal decisions they will meet around family and relationships.

The Women's Studies Minor

Minor requirements include three introductory courses: Gender Roles and Identities (SOC 225); History of Women in the United States I and II (HIS 281, 282); and 9 additional credits of related course work. Three credits of independent study in a focused area is encouraged. Courses are selected in consultation with an adviser. This program is open to any interested student.

Special Programs: ABLE and General Studies

In the tradition of liberal learning, the ABLE and General Studies programs serve different needs. For students of promise who do not meet Adelphi's admission standards, General Studies offers a bridge to enrollment at Adelphi's undergraduate schools. The ABLE program gives adults the opportunity to earn advanced degrees.

The ABLE Program

ABLE offers a variety of degree options emphasizing pedagogical excellence, innovative support services, flexible scheduling and a curriculum geared to the needs of working adults. A broad range of academic advisement services are provided on a one-to-one basis and include program planning, initial interviews for prior learning, financial aid information and the development of educational goals.

The College of Arts and Sciences offers adult students the opportunity to complete their Bachelor of Arts, Bachelor of Science, or Associate of Arts, by attending classes on evenings, weekends and summers. The School of Business, which houses the ABLE program, offers additional ABLE curricular opportunities. Please see the School of Business for ABLE's academic policies and procedures.

Bachelor of Arts in Humanistic Studies or Social Sciences

Candidates for this degree must have completed at least 120 credits, 90 of which must be in the liberal arts. The final 30 credits must be taken in graded course work at the University, and no more than 60 of the total credits may be awarded from prior learning. Candidates must have a minimum GPA of 2.5 in their area of concentration and a minimum GPA of 2.0 from Adelphi overall.

The distribution requirement for the Bachelor of Arts will be fulfilled as follows:

- Two semesters of English composition:
AHS 101 Expository Writing
AHS 103 Writing and Rhetoric
- Three foundation courses in the appropriate area of concentration
- A minimum of 16 credits of advanced electives in the appropriate area of concentration specialization
- UCI 404, 405 Capstone I, II

Bachelor of Arts in Fine Arts

This area of concentration is a cooperative program between ABLE and Adelphi's Department of Art and Art History. Candidates for this degree must have completed at least 120 credits, 60 of which must be in the liberal arts. The final 30 credits must be taken in graded course work at the University, and no more than 60 of the total credits may be awarded from prior learning. *The distribution requirement for the Bachelor of Arts will be fulfilled as follows:*

Two semesters of English composition
AHS 151 Beginning Sculpture
AHS 244 Art History: Classical Antiquity
AHS 249 Art History: Contemporary
AHS 252 Ceramics
AHS 253 Photography
AHS 254 Painting and Drawing
AHS 350 Beginning Printmaking
AHS 351 Advanced Sculpture
AHS 409 Advanced Printmaking
AHS 454 Advanced Painting and Drawing
UCI 404, 405 Capstone I and Capstone II

Bachelor of Science in Criminal Justice Administration

The bachelor's degree program in criminal justice administration offers students a solid foundation in criminal justice; an opportunity for study in specialized areas, including police studies and corrections; and a broad liberal arts knowledge base. It is designed to provide students with the technical skills of various specialized areas of

criminal justice as well as with necessary research and analytical skills. Students develop a general understanding of the multidisciplinary nature of criminal justice and are exposed to an in-depth examination of topics related to careers in the criminal field. On graduation, students will have maximum flexibility to undertake a career in law enforcement, corrections, probation, parole, federal service, or to attend graduate school.

For more information about this new program, please contact Assistant Dean Emily Wilson at (516) 877-3419.

Requirements for the Major

Candidates for this degree must have completed at least 120 credits, 60 of which must be in the liberal arts. The final 30 credits must be taken in graded course work at the University, and no more than 60 of the total credits may be awarded from prior learning. Candidates must have a minimum GPA of 2.5 in their area of concentration and a minimum GPA of 2.0 from Adelphi overall. Students must select one area of specialization: Police Studies or Corrections.

The requirement for the Bachelor of Science in criminal justice administration will be fulfilled as follows:

General Requirements: 24 credits

Expository Writing
Writing and Rhetoric
Foundations of Economics
Math for Managers
Capstone I
Capstone II

Major Requirements: (36 credits)

(ACJ courses)

Ethics and Morality
Introduction to Psychology
Society and the Individual
Crime and Justice in American Society
Criminal Law
Administrative Law
Criminal Justice Planning and Research
Conflict Management
Cultural Diversity

After successful completion of 24 credits of the Bachelor of Science which are required of all ABLE students pursuing a bachelor of science degree, as well as 36 credits in criminal justice major requirements, students must choose a specialization (16-20 credits) in police studies or corrections, or, with the approval of the ABLE academic advisor, develop a specialization in an independent area of interest.

Area of Specialization: Police Studies

(16–18 credits)

(APS courses)

Forensics
Police Organization and Administration
Police and Community Relations
Special Topics in Police Studies

Area of Specialization: Corrections

(16 credits)

(ACO courses)

Criminology to Corrections
Social Psychology
Courts, Corrections, and Communities
Social Institutions

The General Studies Program

General Studies is a one-year, intensive program for freshmen whose high school records and SAT scores do not meet Adelphi's admission standards but whose potential for academic achievement has been identified by the University through interviews with faculty, administrators, and counselors. In addition to a rigorous, mandatory liberal arts curriculum, the program provides comprehensive academic support services, including individual tutoring and counseling. Those students who successfully complete the one-year General Studies program are invited to enroll for their sophomore year in one of the other undergraduate programs at Adelphi.

General Studies Curriculum

General Studies students take 13 credits each semester, including 3 credits of composition each semester. The course work, which

meets all Adelphi degree requirements, is not in any way remedial. It is instead extremely challenging and rigorous, and focuses on developing each student's capacity to read, write, and think in a creative and sophisticated manner.

Tutors and Counselors

Although they have the intellectual potential for college-level work, General Studies students often need to strengthen their basic academic skills: critical reading and writing; problem solving; studying; taking tests. To aid them in developing these abilities, faculty tutors work diligently with General Studies students. On entry to the program, all General Studies students are scheduled for mandatory tutoring sessions. Recognizing that the psychological and emotional lives of young men and women play an important role in determining academic success, General Studies requires participation in counseling sessions, conducted by full-time professional counselors who can help students make the adjustments that college life demands.

Course of Study

Fall

GNS 100 Freshman Seminar: A World of Ideas I
GNS 101 Critical Reading and Writing
GNS 104 Origins of Western Civilization I
GNS 106 Society and the Individual II:
Psychology

Spring

GNS 102 Freshman Seminar: A World of Ideas II
GNS 103 Problem-Solving Across the Curriculum
GNS 105 Origins of Western Civilization II
GNS 107 Expository Writing and Research

General Studies

Academic Regulations

(General Studies Students Only)

Academic Dismissal

Students may be dismissed from the General Studies program and from Adelphi University under the following circumstances:

After one semester—if the student earns less than a GPA of 2.0 and the faculty, administration, tutors, and counselors believe that the student does not have a reasonable chance of achieving academic success at the University.

After two semesters—if the student has less than a 2.0 cumulative GPA, the student may be dismissed from the General Studies program and from Adelphi University.

Academic Probation

General Studies students may be placed on academic probation at the conclusion of the fall semester if they earn less than a GPA of 2.0. Students placed on probation will sign and adhere to a General Studies Academic Probation Contract, which specifies the nature and duration of contact time with their tutors and counselors during the spring semester.

Course Load

All General Studies students are required to register as full-time students, taking a maximum of 13 credits per semester.

Co-curricular Activities

General Studies students may not join intercollegiate athletic teams during their first year and are prohibited from pledging for fraternities or sororities during their first semester in the program. To pledge during the second semester, students must be in good academic standing and have a GPA of 2.0 or higher.

Incompletes

Students can receive a grade of I (Incomplete) only with the written permission of the Associate Dean. The Incomplete must be resolved within four weeks of the end of the semester in which the grade of I was given. After this time, the I will become a grade of F.

Pass/Fail Option

No Pass/Fail grades are permitted in the General Studies program.

COURSES OF INSTRUCTION

COLLEGE OF ARTS AND SCIENCES

ANTHROPOLOGY

ANT/SOC 105 Culture and Society *3 credits*

This course will explore with students the differences and similarities within the social sciences, contrast the social science perspective with that of the humanities and prepare the students to address theoretical and methodological issues relevant to anthropological and sociological research they will study in greater depth in junior and senior years.

ANT 111 Cultural Anthropology *3 credits*

The nature of culture: an intensive introduction to the study of peoples in varied ecological, technical, and social environments. Characteristic patterns of the family life, rituals, social organization, and values of societies in several cultures are examined.

ANT 112 Physical Anthropology *4 credits*

This course covers the scope, method, and theory of physical anthropology, from evolutionary biology and primate behavior to forensics and paleopathology. Focus is given to the applied perspectives of physical anthropology. Laboratory work concentrates on issues of growth, physiology, morphology, pathology, and behavioral patterns of the human condition in time and space. Twenty-five hours of laboratory work on skeletal collections are required.

ANT 113 Archaeology *4 credits*

An introduction to the major problems and concepts of archaeology. The nature of archaeological data and fieldwork are discussed with examples from sites around the world. Prehistoric occupations are evaluated in terms of their contributions to modern society. Field and laboratory work include the examination and study of stone and ceramic artifacts. Five weekend day field trips are required.

ANT 222 The Myth of Race *4 credits*

Prerequisite: ANT 112 or 224 or permission of instructor.

The relevance of the race concept as applied to humankind. The nature of human variation and alternative methods of classifying human population. Theories concerning the origin of humankind and the differentiation of contemporary populations will be examined. Field trips and laboratory activities supplement classroom work. Twenty-five hours of laboratory/fieldwork are required.

ANT 224 Fossil Man *4 credits*

Biocultural aspects of human evolution beginning with man's primate ancestors and continuing through the modern day. The fossil remains of the various stages of human evolution will be studied. Controversial topics in the interpretation of the fossil remains will be discussed. Twenty-five hours of lab/fieldwork are required.

ANT 226 Prehistoric Technology *4 credits*

The commonplace and exotic skills and techniques of early man as interpreted from the archaeological record. Humankind's dependence on an interaction with varied ecological conditions is emphasized. Field trips and laboratory activities supplement classroom work. Five weekend day field trips are required.

ANT 229 Humankind, Culture, and Environment *4 credits*

Cross-listed with Environmental Studies.

This course examines influences that varying environments have on human and biocultural adaptations. Focus will be given to settlement patterns and population size of ancient and modern man, and the effect migration has on ancient and modern populations. Field trips and laboratory activities supplement classroom work. Twenty-five hours of laboratory/fieldwork are required.

ANT 238 Culture, Family, and Marriage *3 credits*

Varied forms of social organization in tribal societies. These include kinship groupings such as family and clan, as well as groups organized by age and sex into secret societies and age grades. Topics and emphasis will vary with the instructor.

ANT 241 Icons of Power *3 credits*

Identifies and defines (with emphasis on artistic and ritual form) the basic religious and cultural value systems of the peoples of our modern world. Extensive use will be made of both American and Diaspora shrines, churches, museums, and other culturally invested institutions in the metropolitan area. (Field trips required.)

ANT 244 Origins of Civilization and the State *3 credits*

Prerequisite: ANT 111 or permission of the instructor.

An understanding of how and why the first civilizations emerged in the Old and New Worlds. We study the preconditions necessary for state development: the domestication of plants/animals, the development of early farming communities, the first cities, and the religious ideologies which served early leaders as they consolidated power and began military expansion. Case studies from Mesopotamia, China, Peru, Mexico, and Egypt.

ANT 245 Peoples and Cultures of Mexico *3 credits*

Prerequisite: ANT 111 or permission of the instructor.

A critical examination of the many identities of the Mexicans through time in order to understand the reality of modern Mexico, a multicultural country with the many indigenous cultures playing dynamic roles in the redefini-

tion of what it means to be Mexican. We must understand the roots of this cultural pluralism, attitudes of different ethnic groups and the political, economic, and religious elements of Mexican society as it has changed since the arrival of the Europeans.

ANT 246 The Archaeology of Mesoamerica 3 credits

This course focuses on understanding the nature of the major Mesoamerican civilizations flourishing at the time of the arrival of the Europeans: the Maya, Aztec, and Zapotec. We will examine the rich archaeological record, the abundant ethnohistorical material, as well as original fieldwork data. The shared, distinctly Mesoamerican ideologies, which define their world views as expressed in ritual behavior, their complex economic systems, and their varied political structures will be analyzed.

ANT 249 The Raw and the Cooked: Changing Perceptions of The Primitive 3 credits

Prerequisite: ANT 111 or permission of the instructor.

Post-modern societies play with many distorted images of “the savage” (noble or brutal), barbarians, primitives, heathens, and similar fantasies of “otherness” in public art, fashion, discourse, politics, and religion. At the same time the contacts between post-modern peoples and actual primitive peoples have become everyday and often brutal occurrences. This course will examine both aspects of this rope—how western societies fantasize about the primitive, and what anthropology can tell us about the lives, cultures, and circumstances of actual primitive peoples.

ANT 250 Special Topics: Primate Social Behavior 4 credits

This course will examine the ecology, biological adaptations, population structure, ethology, and behavioral potential of non-human primates. Primate social patterns and evolutionary theory will be discussed and applied to an understanding of the origins of human behavior. Twenty-five hours of lab/fieldwork required.

ANT 256 Cultures and Religions of India 3 credits

The peoples of India viewed within the context of India’s cultural, religious, intellectual, and economic history. Contemporary Indian village and urban life is analyzed. Hindu, Buddhist, and Muslim religions are discussed.

ANT 265 The Developing World: Culture, Conflict and Changes 3 credits

Prerequisite: ANT 111 or permission of the instructor.

Focuses on understanding the problems which face people who live predominately in the developing countries. Models used are from development anthropology and development economics. We look at the interrelated problems of indigenous groups and ethnicity and their relationship to the state. A second theme is the examination of issues of food, population and gender and the roles of non-governmental organizations, and sustainable, grassroots models for development.

ANT 271 Indians of North America 3 credits

Prerequisite: ANT 111 or permission of the instructor.

This course explores the diversity of Native American cultures and the various strategies used as they confronted the invasion of their lands by Europeans. Archaeological, ethno-historic, and ethnographic databases will be used by students and stereotypes of the “Indian” will be analyzed. Contemporary issues and indigenous organizing in the context of the recent pan-Indian movement will also be discussed.

Field trips are included.

ANT 321 Historic Preservation 4 credits

Cross-listed with Environmental Studies.

The significance of cultural resources (archaeological, architectural) is discussed. A survey of the development of historic preservation legislation with up-to-date case studies of the compliance process is presented. Field trips are arranged to visit local archaeological sites and historic structures. Five weekend day field trips are required.

ANT 333 Fieldwork and Laboratory Techniques in Archaeology and Physical Anthropology 4–6 credits

A field and laboratory class working with archaeological sites and collections in the Old and New World. The projects are interdisciplinary with participating specialists from a wide range of supporting fields. Inquiries should be made to the Anthropology Department concerning current opportunities.

ANT 360 Fieldwork Methods 3 credits

Qualitative methods in cultural/social fieldwork for majors in both anthropology and sociology; we pose questions and concerns about our “knowledge” of the peoples we study, about our relationships with people of “other” cultures, about our representations of them and about our responsibilities to them and they to us.

ANT 390 Special Topics: Populations, Health, and Disease Ecology 4 credits

Cross-listed with Environmental Studies.

This course studies the human factors affecting environmental conditions and subsequently the distribution and ecology of diseases. The nature of infectious diseases affecting humanity, and the efforts to control and eradicate them are examined from an interdisciplinary point of view. Twenty-five hours of lab/fieldwork required.

ANT 390 Special Topics: Dental Anthropology 4 credits

Analytical descriptions of the anatomy, development, variations, wear, and pathogenesis of dental surfaces and of the dental masticatory apparatus form the basis of this course. Human dental morphology and function are examined in the context of our evolutionary saga, and technoeconomic and sociocultural organizations. Laboratory work with archeological dental remains supplements class work. Twenty-five hours of laboratory work are required.

ANT 390 Special Topic: Ethnohistory of the Americas*3 credits*

This course will study interpretations and perspectives concerning the events and documents of the voyages of Columbus and later encounters of Europeans and the indigenous peoples of the New World: an effort to recover lost voices, forgotten perspectives, overlooked or misunderstood information. The impact of cultures of the Caribbean on the cultures of Mesoamerica, the Andes, and the American Northeast and Southwest will be addressed, along with various strategies for survival adopted by these indigenous populations.

ANT 390 Special Topic: Paleopathology and Paleodemography*4 credits*

This course studies disease associations and demographic profiles of premodern human skeletal and mummified soft tissue remains within the contexts of diachronic paleoenvironmental settings and biomedical anthropology. In addition, the course draws upon the perspectives of clinicians, radiologists, pathologists, and epidemiologists in order to provide for a comprehensive evolutionary understanding of prehistoric diseases and disease in historical and contemporary human environments. Twenty-five hours of laboratory sessions allow participants to analyze and diagnose paleopathological specimens.

ANT 390 Special Topic: Peoples and Culture of Long Island*3 credits*

An ethnographic survey of historic and contemporary Long Island. The nature of the Island's infrastructure, political system, settlement pattern, educational philosophy, language, and values are examined from an anthropological perspective. Students will participate in research projects working with both interview data and documents.

ANT 441 Forensic Anthropology*4 credits*

Prerequisite: ANT 112, 222, or 224 or permission of instructor.
Demonstrates the process of recovering and assessing bio-cultural characteristics from human skeletal remains. A critical review of interdisciplinary literature and methodological processes is offered. Prehistoric human skeletal collections will be examined in the laboratory for characteristics of growth and aging, racial variation, sexual dimorphism and inherited variation, occupational stress markers and related trauma, dental biology, nutrition and dietary patterns, and disease. Twenty-five hours of laboratory/fieldwork are required.

ANT 491 Independent Study*credits to be arranged*

Readings and research on selected aspects of anthropology. To assist the student in the handling of the material and in the writing of reports, individual conferences with the adviser are arranged.

ART AND ART HISTORY**ART 100 Art in New York: Museums, Culture, and History***3 credits**Open to all students.*

This course is an introduction to the visual arts, based on the extraordinary works in the museums and cultural institutions of New York. By studying a broad variety of periods, styles, and artists, the course will explore certain critical issues about the meaning of art, the ways it is collected and exhibited, and the history and development of museums.

Studio Art Courses**ART 101 Studio Art Fundamentals***4 credits**Open to art majors only.*

An introduction to the fundamentals of studio art and design. Readings and studio work will investigate the visual elements of form, color, line, texture, and movement.

ART 105, 106 Drawing and Composition I, II*4 credits each*

Introduction to the principle and techniques of representational drawing and to the practice of combining forms in artistic and expressive unity, using various media for breadth of interpretation.

ART 115, 116 Figure Drawing and Anatomy*4 credits each**Open to art majors only.**Prerequisites: ART 101 and 105 or 106.*

The study of the skeletal frame and muscular structure of the human body for artists. Application of studies to expression of the structural and rhythmic qualities of the figure.

ART 175 Color, Media, and Materials*4 credits**Open to art majors only.*

A study of color theory and the principal media of art, designed to enhance understanding of the characteristics and functions of pigments, textures, binders, etc., and to develop awareness of their creative and practical applications.

ART 203, 204 Computer-Graphic Applications I, II*4 credits each**Open to graphic design majors only.**Prerequisite: Art Foundation.**Corequisites: ART 230 and 239.*

A tutorial in Macintosh basics with a hands-on approach to the powerful page-layout capability of QuarkXpress, creation and manipulation of digital imagery with Adobe Photoshop, and the drawing of vector art with Adobe Illustrator. Through various 2-Dimensional and 3-Dimensional projects, students will learn to design with the computer as a tool for graphic problem solving. Scanning and use of the digital camera is included.

ART 209, 210 Printmaking Studio 4 credits each

Open to art majors only.

Prerequisites: ART 101 and 105 or 106 or equivalent.

Technical study and experience in various print media, i.e.: etching, aquatint, mezzotint, woodcut, linocut, drypoint as a fine art. Attention is paid to the use of numerous controlled effects and color.

ART 211, 212 Sculpture Studio 4 credits each

Open to art majors only.

Prerequisites: ART 101 and 105 or 106.

Introduction to the formation of art in three dimensions in the media of clay, plaster, wood, stone, and other materials; fundamentals of the techniques of modeling, carving, and construction.

ART 213, 214 Painting Studio 4 credits each

Open to art majors only.

Prerequisites: ART 101 and 105 or 106 or permission of instructor.

Principles of working with color, line, and the other elements of painting for artistic expression on an "easel scale." Exploration of the techniques and effects of painting media such as oil and acrylic.

ART 223, 224 Ceramics 4 credits each

Prerequisite: ART 101 and 105 or 106.

Throwing porcelain, hand building porcelain, throwing stoneware; sculptural pottery. Introduction to glazes and firing of gas kiln.

ART 227 Primitive Ceramic Firing 4 credits

Prerequisite: ART 101 and 105 or 106.

A studio course in raku and sawdust firing. Emphasis placed on the use of materials to construct simple natural forms.

ART 230 Introduction to Graphic Design 2 credits

Open to graphic design majors only.

Prerequisites: Art Foundation.

Corequisites: ART 203 and 239.

Techniques for the preparation of material for reproduction. Paste-up, cropping, reduction, type, photostats, color separation, printing methods.

ART 231 Illustration I 4 credits

Open to art majors only.

Prerequisite: Art Foundation.

This will be a combination lecture/studio course. Students will work in class and independently in their own studio solving the assigned illustration problems. Students will be taught individually with an emphasis on attaining an individual illustrative style. The course will emphasize portfolio development and the job market.

ART 232 Illustration II 4 credits

Open to art majors only.

Prerequisite: ART 231.

This will be a combination lecture/studio course. Students will continue to develop an individual illustrative style through problem solving at a more advanced level. Topics such as nature illustration, science fiction, caricature and book illustration will be covered. The course will also emphasize portfolio development, Web sites and the job market.

ART 233 Advertising Design I 4 credits

Open to graphic design majors only.

Prerequisites: ART 204, 230, 239, and 430.

Conceptual principles, special problems, and techniques of design for advertising and display in newspapers, magazines, and other media. Portfolio development is stressed.

ART 234 Advertising Design II 4 credits

Open to graphic design majors only.

Prerequisites: ART 233.

Problem solving for the graphic designer in advertising. Portfolio development is stressed.

ART 239 Lettering and Typography 2 credits

Open to graphic design majors only.

Prerequisite: Art Foundation.

Corequisites: ART 203 and 230.

A study of the various kinds of letter forms as found in mechanical type and in hand produced lettering. Practice in designing and specifying type for advertising and publishing.

ART 261 Photography I 4 credits

A lecture-demonstration course in black-and-white photography designed to provide the beginning student with practical camera and darkroom experience. It is necessary that all students have access to a camera, preferably a 35 mm with variable controls.

ART 262 Photography II 4 credits

Prerequisite: ART 261.

A course geared for the student who has completed a basic course in black-and-white photography. Emphasis will be placed on the technical skills of photography as well as on the aesthetic values. Students will be guided in establishing their own personal directions.

ART 263 Advanced Photography 4 credits

Prerequisite: ART 261 and 262.

An advanced workshop in creative photography to help develop the student's awareness in exploring the many potentials of the medium. Lecture and darkroom demonstrations will place emphasis on the fine print and the techniques of kodalith diao, solarization, multiple printing.

ART 268 Medium and Large Format**Photography**

4 credits

Prerequisite: ART 261, 262.

This course utilizes the view camera to explore studio lighting, still life, portrait and nudes. Topics include: the setting, film and equipment. Basic camera movements, lenses and exposure, B&W sheet film processing and printing and the zone system for image control will all be considered. Color theory and design implemented through 4 x 5 chromes. This course is designed for serious photographers and designers interested in both fine art and commercial work.

ART 305, 306 Advanced Drawing

4 credits

This course is designed specifically for advanced students in fine art and design. Studio techniques in drawing are explored using a variety of media for use in illustration, book design and fine arts.

ART 338 Calligraphy Workshop

3 credits

This course will introduce you to the wonders of the broad-edge pen. You will study, in depth, the elegant style of writing known as "chancery cursive," commonly called "italic." You will engage in "hands on" practice and receive many exemplars along with personal attention from the instructor.

ART 373 Papermaking Workshop

3 credits

The Papermaking Workshop introduces students to techniques in creating handmade paper. Various methods of papermaking will be explored, including basic sheet formation, embossing, laminating, pulp painting, and casting. Students will also be introduced to the history of papermaking. Individual expression will be encouraged.

ART 394 Special Topics in Studio Art

4 credits

Open to arts majors only.

Investigation of subjects of special or topical interest in studio art.

ART 409, 410 Advanced Printmaking**Studio**

4 credits each

Prerequisite: ART 209 or 210.

Further exploration of woodcut and etching techniques. Studio work, lecture, and discussion.

ART 411, 412 Advanced Sculpture**Studio**

4 credits each

Prerequisite: ART 211 or 212.

Continued opportunity for intensive work in selected techniques and processes in sculpture and bronze casting.

ART 413, 414 Advanced Painting**Studio**

4 credits each

Prerequisite: ART 213 or 214.

Continued development of expressive skills in a variety of painting media including oils, watercolor, acrylics, and mixed media.

ART 423, 424 Advanced Ceramics

4 credits

Prerequisite: ART 223 or 224.

Build upon prior hand building and/or potters wheel techniques as a means of creating pottery or related sculptural constructions in clay, glaze formulation; and experience the operation of gas and electric kilns.

ART 430 Advanced Graphic Design

2 credits

*Open to graphic design majors only.**Prerequisites: ART 203, 204, 230, 239, and permission of instructor.*

Advanced studio techniques that offer solutions to graphic production problems. Portfolio development is stressed. Students will work in department production studio.

ART 433, 434 Advertising Design**Advanced Projects**

2 credits each

*Open to graphic design majors only.**Prerequisites: ART 233 or 234, and permission of instructor.*

Continued study of problems encountered by the graphic designer. Portfolio development is stressed.

ART 491 Independent Study

2 or 3 credits

*Open to arts majors only.**Subject to conference and agreement with the instructor and department Chair.***ART 492 Internship**

3 or 6 credits

Open to arts majors with permission of department Chair.

Internship experience for fine art, design, or art history majors. Placements are usually off campus in a professional setting.

Art History Courses**ARH 196 Art and the World I**

3 credits

Open to all students.

This course provides a global view of major epochs of human experience and major events of historical and cultural significance from the Stone Age through Ancient Near East Classical Antiquity, Africa, Asia, and other cultural areas, to the Renaissance period in Europe. Works of art examined in context offer insight into ways that people in different times and places have explored their relationships with other human beings and with nature, and have defined meaning and value in existence. Links will be made between the events and character of the periods discussed and our time, establishing a historical foundation for understanding the rise of modernism and the modern world.

ARH 197 Art and the World II

3 credits

Open to all students.

This course provides a global view of major epochs of human experience and major events of historical and cultural significance from the European Renaissance through the Baroque, Neo-Classical, and Romantic periods; Eastern traditions; and in Africa to the present. Works of art examined in context offer insight into ways that people in different times and places have explored their relationships with other human beings and with nature, and have defined meaning and value in existence.

ARH 243 Art of Africa and Oceania 3 credits
Open to all students.
 The art of tribal cultures of Africa and Pacific Oceania. Analysis of the function of art in society: its meaning, expressive power, and the historical relationships of the works of art studied.

ARH 245 Art of Asia 3 credits
Open to all students.
 Introduction to the art of China, India, and Japan with study of the interrelationships between historical change, religion, and art in these cultures.

ARH 247 Art of Classical Antiquity 3 credits
Open to all students.
 Art and archaeology of ancient Greece, with emphasis on the achievements in sculpture and architecture of the High Classical period. Relationships among mythology, history, and art in antiquity.

ARH 248 Medieval Art 3 credits
Open to all students.
 Art and architecture of western Europe in “the age of faith,” from the illuminated manuscripts of the Early Middle Ages to the high achievements of sculpture and architecture in the Romanesque and Gothic periods.

ARH 249 Art of the Italian Renaissance 3 credits
Open to all students.
 The scientific spirit, love of beauty, naturalism, and individualism of the Renaissance expressed through the art of the great masters from Masaccio and Donatello to Leonardo da Vinci and Michelangelo.

ARH 250 Northern European Art 3 credits
Open to all students.
 From Van Eyck through Dürer and Bruegel, the art of northern Europe in the Renaissance period; the particularly northern contribution to the European tradition in naturalism, depiction of light, intensity of expression.

ARH 251 19th-Century Art 3 credits
Open to all students.
 The emergence of modernism examined through the major movements and artists of the 19th century. Paintings and sculptures interpreted in terms of their meanings and within the context of political and cultural changes of the period.

ARH 253 Contemporary Art 3 credits
Open to all students.
 Consideration of Pop, Op, Minimalism, Maximalism, Conceptual Art, Expressionism, Performance Art, examined in relation to current cultural trends and events.

ARH 266 History of Photography 3 credits
Open to all students.

Origins and development of photography since its inception in 1839. Photographs considered in terms of their historical connections, including relationships with painting, their expressiveness and meaning. Close study of the work of twentieth-century photographers.

ARH 290 The Arts and the Creative Process 3 credits
Open to all students.

This course about art and the human imagination will explore philosophical, historical, and practical issues pertinent to the creative arts. By examining the nature of art, what compels the artist to create, the distinctions and connections among art forms, and the vital relationship between history and the arts, the variety and centrality of human expression through art will be seen in the broader context of liberal learning. This course rotates among the Art and Art History, Communications, Music, and Performing Arts Departments.

ARH 360 Seminar: Art History Topics 3 credits
Open to all students.

Permission of instructor required.

Important issues and problems in the history of art studied in-depth through discussion and reading. A new theme is chosen for investigation each time the seminar is offered.

ARH 392 Special Topics in Art History 3 credits
Open to all students.
 Investigation of subjects of special interest in art history.

ARH 563 Philosophy and Criticism of Art 3 credits
 Through original texts and close analysis of movements and manifestos this course examines the philosophy and criticism of art. Students trace the history of criticism and the range of ways in which artists, critics, philosophers and rulers have approached, defined and thought about the visual arts from classical to contemporary times.

BIOLOGY

BIO 103 The Living World 4 credits
 This course does not count toward the major in biology. A laboratory based inquiry into the living world with particular emphasis on the human being. Topics for discussion include microbiology and human disease, the relation of psychology and human disease, the relation of psychology to biology and human disease, animal behavior, and selected topics in human physiology. Laboratory study includes a variety of hands-on experiences designed to introduce the student to the nature of biological study.

BIO 104 Darwin to DNA

4 credits

This course does not count toward the major in biology. A laboratory based inquiry into the living world with particular emphasis on genetics and reproductive processes, evolutionary biology, and selected topics in ecology. Ethical dimensions of our relations to the earth will be discussed and evaluated. Laboratory study includes a variety of hands-on experiences designed to introduce the student to the nature of biological study. Two lectures and one laboratory period a week.

BIO 111, 112 Biological Concepts and Methods

4 credits each

Foundation course in biology required for biology majors and open to others.

Emphasis in these courses is on basic biological concepts and scientific paradigms; how these paradigms were formulated and by whom, and their immediate and subsequent impact on science and society. Biological methods in cell and developmental biology, genetics, evolution, and ecology are used to illustrate the processes of science such as experimental design, testing of hypotheses, and theory formation. Three lectures and one laboratory/recitation period a week.

BIO 203, 204 The Human Body: Scientific Perspectives on Structure and Function I, II

4 credits each

(A total of 4 credits may be applied toward the biology major, but only if both BIO 203 and 204 are completed successfully.) Integrates basic scientific principles in the context of understanding the anatomy and physiology of the human body. Two lectures and one laboratory period a week.

BIO 208 Microbiology

4 credits

Not open to biology majors.

Prerequisite: BIO 203 or 204 or permission of instructor.

This course is designed to provide the nursing student with insight into the nature of bacterial infections and the diseases they cause. Students will be introduced to cell regulation and the chemistry of metabolic processes in bacteria. The mechanisms of antimicrobial drugs will also be studied. Lecture and laboratory.

BIO 220 Organic Evolution

3 credits

Prerequisites: BIO 111 and 112 or equivalent.

An investigation of the history, theory, and process of the evolution of life. Designed for biology majors, but may be taken by non-majors.

BIO 222 Genetics

4 credits

Prerequisites: BIO 111 and 112 or equivalent.

The fundamental principles of heredity in plants, animals, and microorganisms, and the application of these principles to human inheritance. Recent advances in biochemical genetics, gene structure, and the physiological action of genes are emphasized. Designed for biology majors, but also open to non-majors. Two lectures and one laboratory period a week.

BIO 234 Principles of Ecology

4 credits

Prerequisites: BIO 111 and 112 or equivalent.

An introduction to the fundamental concepts of ecology, to illustrate the complex interrelationships of living organisms with each other and with their environment. The ecology of whole systems (forest, oceans) is emphasized. Lecture and laboratory.

BIO 238 Fundamentals of Microbiology

4 credits

Prerequisites: BIO 111 and 112, CHE 111 and 112 or equivalent.

The isolation and culture of representative heterotrophic and autotrophic microorganisms; their morphology, physiology, taxonomy, and genetics. Two lectures and two laboratory periods a week.

BIO 253 Marine Biology

4 credits

Prerequisites: BIO 111, 112 or equivalent.

A fundamental introduction to plants and animals indigenous to Long Island's coastal and estuarine waters; laboratory and field studies of natural history, life cycles, and adaptations of common species. Lectures and laboratories.

BIO 288 Honors Colloquium

2 credits

Permission of the Committee on Honors and Undergraduate Research required.

BIO 360 Principles of Regulatory**Physiology**

4 credits

Prerequisite: Organic Chemistry or permission of instructor.

Functional analysis of the roles various organs and tissues play that allow vertebrates to exist in diverse environments, with emphasis on the integration and interaction of organs and organ systems. Three lectures and one laboratory period a week.

BIO 425 Jaws and Teeth

3 credits

Permission of instructor required.

Developmental and functional anatomy of the vertebrate neck, head, jaws, and teeth. Evolution and microanatomy of tooth tissue and consideration of current problems in dental research.

BIO 465 Molecular Cell Biology II:**Advanced Topics**

3 credits

Prerequisite: One of the following: BIO 365, BIO 504, CHE 471, CHE 472 or permission of instructor.

An in-depth examination of selected areas of current research interest in cell biology, focusing on the molecular basis of cell biological processes. Each topic will be introduced with lectures and textbook readings, and then explored further with guided discussions of readings from the scientific literature. Topics covered in past semesters include nuclear transport, protein sorting, and signal transduction.

BIO 484, Neurobiology 3 credits
Prerequisite: BIO 111-112, or equivalent, or permission of the instructor.

An examination of the biological bases of nervous system function. Basic topics include cell biology of the neuron, neurohistology, neuroanatomy, electrophysiology, neuropharmacology, and developmental neurobiology. Special topics reflect the latest findings in the field. Three hour lecture per week.

BIO 485 Special Topics in Biology 3 or 4 credits
Prerequisite: 15 hours of biology. Additional prerequisites may be established for particular topics.

Examination of particular areas of the biological sciences. Specific subjects will vary from semester to semester. Lecture-discussion-seminar format. May be taken more than once for major credit.

BIO 491 Independent Reading 2 or 3 credits
A total of 4 credits may be applied to the major in biology from BIO 491, 492, 498, and 499.

May be taken upon acceptance by a professor.

BIO 492 Work Experience 2 or 3 credits
A total of 4 credits may be applied to the major in biology from BIO 491, 492, 498, and 499.

A supervised off-campus experience focused on biological methods. Student's petition must be submitted in writing and approved by the biology Academic Affairs Committee prior to registering for this course. Grading will be on a Pass/Fail basis.

BIO 498, 499 Guided Research 2 or 3 credits
A total of 4 credits may be applied to the major in biology from BIO 491, 492, 498, and 499.

May be taken upon acceptance by a professor. For honors in biology, 4 credits of BIO 498, 499, and the Honors Colloquium are required.

BIO 504 Physiological Chemistry 4 credits
Prerequisites: BIO 111, 112, and 360; CHE 251 and 252; or equivalent.

NOTE: 500-level courses are open to juniors, seniors, and graduate students.

An introduction to biochemistry emphasizing biochemical control and the relationship to the physiological functions. Two lectures and one laboratory period a week.

BIO 506 Introduction to Molecular Biology 4 credits
Prerequisites: BIO 111, 112, and 222, CHE 251 and 252.
NOTE: 500-level courses are open to juniors, seniors, and graduate students.

A comprehensive study of genetics from the perspective of the gene. The course explores the structure, molecular organization, regulation, and interactions of prokaryotic and eukaryotic genes. Lectures and lab exercises introduce techniques of recombinant DNA technology.

BIO 525 Introduction to Transmission Electron Microscopy 4 credits
Prerequisite: Permission of instructor.

This course will familiarize the student with the techniques involved in examination of tissues with the electron microscope. Instruction in tissue fixation, processing, routine operation, and the maintenance of the electron microscope will be included. Two lectures and two laboratory periods per week.

BIO 526 Scanning Electron Microscopy 4 credits
Prerequisite: Permission of instructor.

This course introduces students to the theory and applications of scanning electron microscopy (SEM) in the biological sciences. Through hands-on approaches, students learn to prepare and examine selected biological samples with the SEM and develop a portfolio of photographic images. The course culminates in the undertaking of an independent student project.

BIO 567 Environmental Pollutants and Disease 3 credits
Permission of instructor required.

This course will focus on the pathogenic mechanisms of the pollution-associated diseases in humans. Topics will include the effects of pollutants on the immune system, the central and peripheral nervous systems, and the reproductive system. Abnormal embryonic development and cancer will be studied in relation to the exposure to pollutants.

CHEMISTRY

CHE 100 Chemistry in Modern Society 3 credits
 Examines, from a chemistry perspective, contemporary understanding of some major modern environmental and social issues including energy usage and supplies, global warming, nutrition and health, and genetic engineering. No laboratory. This course cannot be used to satisfy chemistry requirements for science majors.

CHE 107, 108 Essentials of Chemistry 4 credits each
 A one-year course on the basic principles of general and organic chemistry including atomic structure, equilibrium, and the nomenclature and properties of organic compounds, and the application of these principles to biochemistry. One class period and one laboratory period a week. A recitation meeting one hour per week is required in CHE 107.

CHE 111, 112 General Chemistry 4 credits each
Prerequisite: Two and one-half years of high school mathematics or one term of college mathematics.

Emphasizes the fundamental principles and laws of chemistry. Chemical properties are studied in relation to both atomic structure and chemical equilibrium. The laboratory work provides experience in the observations of fundamental laws. Three class periods and one laboratory period a week. A recitation meeting one hour per week is required in CHE 111.

CHE 251, 252 Organic Chemistry 3 credits each
Prerequisites: CHE 111 and 112.
Corequisites: CHE 253 and 254.

A comprehensive introduction to the chemistry of carbon compounds. Class periods include the discussion of nomenclature, methods of preparation, and properties of the principal groups of compounds, as well as the mechanisms of organic reactions. The laboratory work in organic chemistry is given in CHE 253, 254, which must be taken simultaneously with CHE 251, 252. Three class periods a week.

CHE 253, 254 Organic Chemistry Laboratory 2 credits each
Prerequisites: CHE 111 and 112.
Corequisites: CHE 251 and 252.

Synthesis and the study of some of the more important reactions of the principal groups. Some qualitative organic analysis. CHE 251, 252 must be taken simultaneously. One laboratory period a week.

CHE 265 Quantitative Analysis 4 credits
Prerequisites: CHE 111 and 112.

An introduction to the principles and calculations of quantitative analysis. The laboratory work includes the use of precise gravimetric and volumetric apparatus for representative analysis. Two class periods and one laboratory period a week.

CHE 321, 322 Physical Chemistry 3 credits each
Prerequisites: CHE 265, mathematics (calculus), and college physics.

Study of the structural principles of modern physical chemistry. Topics include thermodynamics, chemical kinetics, molecular structure, introduction to quantum theory, and introduction to statistical thermodynamics. Three lecture periods a week.

CHE 323, 324 Physical Chemistry Laboratory 2 credits each
Corequisites: CHE 321 and 322.

Modern laboratory studies in physical chemistry. First semester devoted to thermodynamics, kinetics, and gas dynamics. Second semester deals primarily with a variety of studies on molecular properties.

CHE 411 Inorganic Chemistry 3 credits
Corequisite: CHE 321.

A study of the electronic structure of the elements correlated with the periodic table leading to a study of modern theories of valence, with applications to inorganic compounds. Three lecture periods a week.

CHE 413 Inorganic Chemistry Laboratory 2 credits
Corequisite: CHE 411.

Laboratory experiments emphasize the synthesis and properties of pure inorganic substances. Two laboratory periods a week.

CHE 421 Advanced Physical Chemistry 3 credits
Prerequisites: CHE 321 and 322.

Calculations of harmonic oscillations, rigid rotor, and hydrogen atom by quantum mechanical techniques. Spectroscopy and magnetic measurements. Introduction to statistical mechanical methods. No laboratory. Two lecture periods a week.

CHE 451 Advanced Organic Chemistry 3 credits
 An advanced review of organic reactions and their mechanisms. Also discussed is the structure of organic compounds, including stereochemistry. Two lecture periods a week.

CHE 453 Qualitative Organic Analysis 3 credits
Prerequisites: CHE 251 and 252.

Lectures deal with the theory underlying qualitative organic analysis. Problems involving the identification of known organic compounds and the elucidation of the structure of unknown organic compounds. Laboratory experiments are concerned with identification of organic substances and mixtures. One class period and two laboratory periods a week.

CHE 465 Advanced Quantitative Analysis 4 credits
Prerequisites: CHE 265 and 321.
Corequisite: CHE 322.

Continuation of CHE 265. Advanced material is studied in lecture and laboratory, including modern physical methods of analysis. Two class periods and two laboratory periods a week.

CHE 470 Principles of Toxicology 3 credits

The biochemistry of interactions between living systems and acute toxins is explored as are aspects of normal metabolism and the effects of endogenous and foreign chemical and physical agents on metabolic processes. Emphasis will be on developing a comprehension of the metabolic basis of toxic interactions. Toxicity test methods, including options in biological targets, exposure routes and durations, and toxic endpoints, are covered. The problems of extrapolation of test data to human risk assessment are discussed, with examples drawn from recent controversial decisions. The movement towards non-animal toxicity testing is examined, with reference to biochemical analysis, cultured cell procedures, and computer-based analyses.

CHE 471, 571 Biochemistry I 4 credits
Prerequisites: CHE 251 and 252; CHE 265 recommended.

Chemistry of amino acids, lipids, and carbohydrates. The structure and functions of biomacromolecules: proteins, nucleic acids, and polysaccharides; enzyme kinetics and bioenergetics. Laboratory includes the analytical techniques of biochemistry: spectrophotometry, chromatography, and electrophoresis. One class period and one laboratory period a week.

CHE 472, 572 Biochemistry II 4 credits
Prerequisites: CHE 251 and 252; CHE 265 recommended.
 (CHE 471 is not a prerequisite.)

Cell metabolism: degradative and biosynthetic pathways of carbohydrates, lipids, and amino acids. Energy metabolism: production and utilization of high energy phosphates. Nucleic acid and protein biosynthesis. Regulation and control of metabolism. Laboratory includes isolation and characterization of proteins and nucleic acids. Enzyme kinetics. One class period and one laboratory period a week.

CHE 475 Biochemistry of Proteins and Nucleic Acids 3 credits
Prerequisite: CHE 471 and 472 or permission of instructor.

The course deals with the structure and function of proteins, post-translational modifications, self-assembly, and other interactions. It also studies the spatial configuration of nucleic acids, their interactions with drugs, and regulating and structural proteins. Two lecture periods a week.

CHE 476 Biochemistry of Complex Carbohydrates 3 credits
Prerequisites: CHE 471 and 472 or permission of instructor.

Deals with the structure, function and metabolism of glycoproteins, proteoglycans, and lipopolysaccharides. Applications of these compounds extend to immunochemistry, genetic diseases, surface specificity of cells, cancer research, connective tissues and their diseases, and mucous secretions. Two lecture periods a week.

CHE 477 Biochemistry of Membranes and Lipids 3 credits
Prerequisites: CHE 471 and 472 or permission of instructor.

An advanced treatment of biochemistry of fatty acids, neutral fats, plant lipids, glycerolipids, sphingolipids, lipid soluble vitamins, cholesterol, and steroids. Also covered are lipoproteins. Assembly and role of membranes as a function of lipid composition will be discussed. Two lecture periods a week.

CHE 478 Bioinorganic Chemistry 3 credits
Prerequisite: CHE 471 and 472 or permission of instructor.

The role of inorganic compounds in biochemical processes will be discussed. The coordination chemistry of metallic ions will be dealt with as exemplified by the numerous cofactors in enzyme reactions. The active transport of cations and anions across membranes, toxicity, and body defenses against toxicity will be presented. Two lecture periods a week.

CHE 481 Computers and Chemistry 3 credits
Prerequisite: MTH 602 or equivalent.

A course in advanced methods of FORTRAN programming, focusing on chemically related problems. Lectures and programs will cover selected subjects from topics such as gas laws, solutions, equilibria, thermodynamics, kinetics, spectroscopy, theoretical chemistry, organic chemistry, and curve fitting. Two lecture periods a week.

CHE 490 Independent Study 2–4 credits

CHE 493 Research Seminar in Chemistry 2 credits each
Open to senior students majoring in chemistry.

A course allowing individual investigation in some field of chemistry. Laboratory and library research constitutes the basis for the comprehensive written and oral reports that are requisite.

COMMUNICATIONS

COM 090 Communications Internship 1 credit
Open to majors only.

The internship provides learning through work that complements the curriculum and other communications activities. The objectives are two-fold: first to provide an orientation to the responsibilities of running the communications facility, and second to develop skills by regular use of technology, systems, and resources of the University.

COM 102 Communication Theory 3 credits

An introduction to major theories and perspectives concerning communication as the fundamental matrix in which social and cultural life are enacted. Topics studied include the essential role of communication in the creation and understanding of the self, in the creation and interpretation of social life, and in the construction, expression, and transmission of cultural understandings.

COM 103 History of Media and Communication 3 credits

This course traces the development of communication media through the ages, from prehistoric cave paintings to the latest information technologies, focusing on the conditions under which these media came into being, their uses, and the social, political, economic, and cultural consequences of these uses.

COM 205 Media and Children 3 credits

Children's interactions with popular culture are varied and complex, yet theories about those interactions are often oversimplified. In this course, students will examine a variety of theories about the relationship between children and popular culture, looking at such media as television, film, popular music, books and magazines, and computer-based media.

COM 207 Introduction to Journalism 3 credits

This course will give students an understanding of the foundations of American journalism, exploring important journalistic concepts such as freedom of speech, the relationship between the press and government, and the press as an agent of social reform. The course will also familiarize students with the characteristic features of print and broadcast news, how the two differ, and how to detect bias in each.

COM 104 Art of Film and Video 3 credits

Explores the major impact of twentieth-century art movements in opening up the range of creative possibilities and perspectives in the making of film and video. Aims to encourage familiarity with, sensitivity to, and understanding of innovative uses of form, content, techniques, and ideas since the beginnings of cinema.

COM 215 Film Then and Now: Genres, Styles, Movements 3 credits

A multidimensional study of narrative genres and stylistic movements that have shaped the cinema as we know it. Examines popular American forms like film noir, the western, science fiction, and international movements such as French New Wave, Italian Neo-Realism, and New Asian cinema. Considers the interplay between society and film culture.

COM 225 Introduction to Moving Image Production 3 credits

Prerequisite or corequisite: COM 213 or 215.

Introduction to shooting and editing film and video. Emphasis on learning to use the skills and theory behind production processes for mindful and provocative expression; on learning to reach meanings in cinematic terms with a critical and creative eye. Each student will produce one film and one video. Equipment provided, as are most of the film and video tape needed.

COM 290 The Arts and the Creative Process 3 credits

This course about art and the human imagination will explore philosophical, historical, and practical issues pertinent to the creative arts. By examining the nature of art, what compels the artist to create, the distinctions and connections among art forms, and the vital relationship between history and the arts, the variety and centrality of human expression through art will be seen in the broader context of liberal learning. This course rotates among the Communications, Art and Art History, Music and Performing Arts Departments.

COM 300 Media Criticism 3 credits

This course will explore the many ways in which media today define our cultural and social lives, publicly and privately, examining the mass media historically, institutionally, and in terms of audience reception and negotiation of mediated messages.

COM 304 Post Production 3 credits

Prerequisites: COM 325 and 330.

This course is open to students who have successfully completed both Intermediate Filmmaking and Intermediate Videomaking. Each student will produce a video or film. Course work will explore advanced editing techniques and sound/image relationships. Emphasis will be placed on new media technologies. This course does NOT fulfill the Advanced Production requirement.

COM 309 Writing for Media 3 credits

Open to all students.

This course will provide an introduction to writing for film and video media and will cover the techniques of both fiction and non-fiction documentary and journalistic formats.

COM 315 Communication and Behavior 3 credits

A detailed study of communications and social interaction. Topics include the constituents of interpersonal communication; the interdependence of and consequent constraints upon interpersonal behavior; the characteristics and difficulties of cross-cultural communication; gender differences and the expression of gender in social interaction; and the rhetoric of status, power, and interpersonal influence.

COM 325 Film I 3 credits

Prerequisite: COM 225.

Introduction to film sound, image relationships, film processing, double exposures, classical continuity editing, lighting, the lens, titling, elements of post-production, and montage. Emphasis on learning to use the skills and theory behind production processes for mindful and provocative expression; on learning to reach meanings in cinematic terms with a critical and creative eye. Each student will produce one film. Equipment provided, as is most of the film needed.

COM 329 Special Topics: Contemporary Journalism 3 credits

The practice of journalism today is changing rapidly, and is vastly different in some respects from journalistic practices of just a decade or two ago. These changes are due in large part to the impact of new communication technologies on the ways in which information is acquired, reported, received, and interpreted. Changes in the structure of media institutions and commercial pressures on those institutions are also changing the face of the news in the United States and around the world. This course will familiarize students with the characteristics and the challenges of contemporary journalism.

COM 330 Video I 3 credits

Prerequisite: COM 225.

This intermediate video course will focus on the applied aesthetics, design, techniques, and processes of contemporary single camera videomaking. Students will produce short video exercises exploring and experimenting with the concepts presented as part of the class. Class discussions will focus on the video systems, project design, production organization, taping, and editing. Additional fieldwork is required.

COM 334 Major Directors 3 credits

An advanced seminar that focuses on selected American and/or international narrative filmmakers, their distinctive directorial styles, and their manner of negotiating personal artistic practices with economic, institutional, social, and political constraints.

COM 336 Media and Gender 3 credits

An examination of the ways in which women have been represented in movies and television advertising as well as how they have participated in or been excluded from production and control of their own media images. A major strategy of the course is to consider how media reflect and/or shape cultural definitions of masculinity and femininity.

COM 369 Special Topic in Media Studies: Children and Media 3 credits

This course examines the role of media and popular culture in the lives of children and adolescents. The focus is on the meanings children derive from media about themselves and others, as well as the use of media in elementary and secondary education. The media to be studied include, but are not limited to, television, film, popular music, telephone, magazine, newspapers, photography, and digital media.

COM 406 New Communications Technologies and Social Change 3 credits

This course addresses the various implications of new and emerging communication and information technologies as the world moves toward a global community of the 21st century. Technologies examined include the “information super-highway,” virtual reality, artificial intelligence, karaoke, cellular phones, and fax machines.

COM 411 Issues and Conflicts in Media and Society 3 credits
Prerequisite: COM 406.

In this seminar, students will delve deeply into selected issues in media studies. The aim is to gain a better understanding—concrete and theoretical—of how media works grow out of and help to shape the larger social world in which we live. The issue or issues chosen each semester will relate to one of the following key areas of cultural inquiry: the institutional and economic production of culture; representational and discursive analyses of the content of media texts; theories and analyses of media reception and audience response.

COM 415 Issues in Film Theory and Criticism 3 credits

This is an advanced seminar that will center on how certain key thinkers have theorized about film in the broad sense of the medium as an aesthetic, social, cultural, and historical phenomenon. Discussions about the visceral, affective responses to film as well as issues of form, meaning, and ideology will be accompanied by and developed from detailed analysis of pertinent films. Each case study will provide a way of engaging and concretizing specific currents in critical thought as well as foregrounding the significance of theory for film-video practice.

COM 425 Film II 3 credits

Prerequisite: COM 325.

Introduction to synch-sound filmmaking. Conceptualization and development of audio/visual material for a project, cinematography, montage, sound mixing will be major areas covered. Emphasis on acquiring skills and sophistication in these areas as opportunities for mindful and provocative expression; on learning to reach meanings in cinematic terms with a critical and creative eye. Equipment provided, as is most of the film needed.

COM 430 Video II 3 credits

Prerequisite: COM 330.

This course will focus on the aesthetics, design, and production of significant video projects produced by small groups of students. The class will present the complex elements of contemporary single camera video production and the stages of project development from initial treatment through final edit and presentation. Additional fieldwork required.

COM 454 Electronic Journalism 3 credits

Open to all students.

This course is designed for students who wish to learn specifically journalistic, informational, and editorial use of video production. Techniques of visual research, pre-interviewing, on-camera interviewing, documentary and journalistic visual and sound recording will be covered with extensive fieldwork required.

COM 470 Moving Image Workshop 3 credits

May be taken more than once.

This course is an advanced workshop in creative production of moving images. Through classroom and individual projects, students will learn visualization and production techniques to produce sophisticated pieces of art.

COM 491 Independent Study 1–3 credits

Requires departmental approval.

COM 493 Professional Internship 1–8 credits

Open to juniors only with an overall GPA of 2.8.

How does one acquire experience for a career in communications? Our professional internships provide students with an important opportunity to gain experience in the communications field. The sponsoring organizations provide realistic work experiences, involvement in the communications industry, a source for developing contacts, and an opportunity to work with professionals in the field. The internships cover the broad range of activities found in the communications industry: cable television, radio stations, film archives, public relations, television networks, industrial communication. Students interested in applying for an internship must consult an adviser during preregistration.

COM 590 Ethics and Technology 3 credits

Bringing new technology into schools does not only raise questions about machinery, budgets, scheduling and technical training; it presents a range of ethical dilemmas with which educators must struggle. However, the push to aggressively implement technology plans tends to deprive educators of the time to consider those ethical issues thoughtfully. This course provides the opportunity for students to become acquainted with the ethical and legal issues they will face if they use new technology as educators and to begin to develop the habit of reflecting on those issues as part of their professional practice.

ENGLISH
ENG 107 The Art and Craft of Writing 3 credits
Required of all students.

ENG 108 Writing about Literature 3 credits
A basic writing course with readings in poetry, drama, and fiction. The writing will consist of reactions to, analyses of, and topics related to the reading.

ENG 110 Writing about Society 3 credits
A basic writing course with readings in literature that reflect current social issues and contemporary responses to man's existence as a social creature.

ENG 113 European Greats 3 credits
A study of selected major texts of European literature from the Middle Ages to the present.

ENG 114 American Greats 3 credits
A study of selected major texts of American literature from the 17th century to the present.

ENG 160 Fiction 3 credits
A study of style, plot, and characterization to develop theme. Some attention to differences between fiction and other narrative genres (drama, non-fiction, and film), to the history of fiction, and to sub-genres (short story, novella, novel).

ENG 181 Myth in Western Literature 3 credits
A study of influential classical, Teutonic, and Celtic myths, and attention to their reappearance in later literature. Open to all students, especially recommended for students of any major interested in understanding the nature of myth and developing a background in mythology.

ENG 208 Writing for Newspapers I 3 credits
Study and practice of gathering and writing news for the various media, with emphasis on newspapers.

ENG 209 Writing for Newspapers II 3 credits
A continuation of ENG 208, with special attention paid to working within the framework of journalism.

ENG 210 Copy Editing 3 credits
Intensive practice in preparing the rough material of a story for print.

ENG 212 Writing Fiction 3 credits
Prerequisite: Permission of instructor.
Study and practice in the technique of the short story, with emphasis on individual creative effort.

ENG 213 Writing Poetry 3 credits
The theory and practice of writing poems, with emphasis on individual creative effort.

ENG 214 Writing for Magazines 3 credits
The analysis and preparation of articles designed for publication, particularly in magazines.

ENG 220 The Classical Heritage 3 credits
A study of major works of Greek and Roman literature in translation.

ENG 225 American Literature I 3 credits
Studies of American writers such as Edwards, Franklin, Poe, Hawthorne, Thoreau, Whitman, and Melville.

ENG 226 American Literature II 3 credits
Studies of American writers such as Twain, Howells, James, Crane, Dickinson, and Dreiser.

ENG 227 American Literature III 3 credits
A study of major writers, themes, and forms from World War I to the present. Includes the work of Hemingway, Fitzgerald, Faulkner, Eliot, Stevens, O'Neill, Williams.

ENG 231 British Literature I 3 credits
Required of all English majors.
Survey of English literature prior to 1700. Readings from Beowulf, Chaucer, the Elizabethan dramatists, etc.

ENG 232 British Literature II 3 credits
Required of all English majors.
Survey of English literature from 1700 to 1900. Readings from Swift, Hardy, Wordsworth, etc.

ENG 240 Chaucer 3 credits
An intensive study, in Middle English, of the major works. Additional readings in the minor works.

ENG 241 Shakespeare I 3 credits
Readings in the histories, romantic comedies, and early tragedies through *Hamlet*. Consideration of the life and theater of the Elizabethan period.

ENG 242 Shakespeare II 3 credits
Readings in the major tragedies, problem plays, and romances. Consideration of the life and theater of the Jacobean period.

ENG 243 Milton 3 credits

Study of the major poems, early and late, and Milton's development as a poet, with special emphasis on *Paradise Lost*. Selections from the prose as time allows.

ENG 260 Women and Literature 3 credits

Varying approaches to the role of women in literature and literary history. Sample topics: the depiction of women's experience; sexual attitudes in the analysis and appreciation of literature; women writers.

ENG 262 African American and African Caribbean Writers I 3 credits

Fulfills elective credit for English major. Cross-listed with AAS 260.

ENG 263 African American and African Caribbean Writers II 3 credits

Fulfills elective credit for English major. Cross-listed with AAS 261.

ENG 264 The Tragic Vision 3 credits

Advanced study of the tragic vision in drama and fiction. Sophocles, Shakespeare, Dostoyevsky, Melville, and/or others.

ENG 265 The Comic Vision 3 credits

Advanced study of the comic vision in drama and fiction. Chaucer, Rabelais, Moliere, Austen, Byron, Shaw, Nabokov, Barth, and/or others.

ENG 282 A Survey of Drama and Theatre I 3 credits

A study of dramatic literature and stagecraft from earliest times to the sixteenth century. Plays are read in English from the classics of Greece, Rome, and Medieval and Renaissance Europe.

ENG 301 Masters of Modern Drama 3 credits

Studies in Ibsen, Strindberg, Chekhov, Shaw, and O'Neill, with some consideration of other major playwrights up to 1950.

ENG 302 Contemporary Drama 3 credits

Trends exhibited by playwrights such as Beckett, Pinter, Ionesco, and Albee since 1950. Plays recently and currently on and off Broadway will be studied.

ENG 303 Masters of the Modern Novel 3 credits

Studies of such writers as Joyce, Lawrence, Faulkner, Fitzgerald, and Hemingway with some consideration of major continental novelists who have had world-wide impact until 1950.

ENG 304 Contemporary Novel 3 credits

Trends in the novel exhibited by such novelists as Bellow, Mailer, Roth, Lessing, Vonnegut, and Murdoch, with some consideration of influential novelists since 1950. Recent and current novels will be considered.

ENG 305 Masters of Modern Poetry 3 credits

Studies of writers such as Yeats, Eliot, Frost, Stevens, Auden, and Thomas, with some consideration of influential continental poets of the period until 1950.

ENG 306 Contemporary Poetry 3 credits

Trends in poetry since 1950, exhibited by writers such as Lowell, Roethke, Ginsberg, Plath, Kinnell, with some attention to continental and/or South American poets who have had world-wide impact.

ENG 310 Feature Writing 3 credits

Permission of instructor required.

Preparation of feature-length works for newspapers and magazines; techniques of research and documentation; human interest stories and column writing; practice in writing articles for the print media.

ENG 320 Medieval Literature 3 credits

A study of Old and Middle English literature and Continental literature to 1500. Works such as *The Consolation of Philosophy*, *Beowulf*, *Sir Gawain and the Green Knight*, *The Romance of the Rose*, and lyrics and drama will be read in modern English versions and translations.

ENG 321 The English Renaissance 3 credits

A study of the Renaissance as reflected in the works of such writers as Wyatt, Spenser, Bacon, Jonson, Donne, and Marvell.

ENG 322 English Neoclassicism 3 credits

A study of Neoclassicism as seen in the works of such writers as Dryden, Swift, Gay, Pope, and Dr. Johnson.

ENG 323 The English Novel in the Neoclassical Age 3 credits

Studies in novelists such as Defoe, Richardson, Fielding, Sterne, and Austen. Some considerations of the origins of the novel.

ENG 324 The English Romantics 3 credits

A study of the Romantic Movements as seen in the works of such writers as Blake, Wordsworth, Coleridge, Byron, Shelley.

ENG 326 The Victorians 3 credits

Studies in Victorian culture as reflected in the works of writers such as Carlyle, Mill, Tennyson, Browning, and Arnold. Some consideration of writers of the Decadence.

ENG 327 The English Novel in the 19th Century 3 credits

A study of the varied and shifting sensibilities and social concerns of novelists from the Romantic period (Scott, Mary Shelley, the Brontës) through the Victorians (Dickens, Thackeray, Trollope, Eliot) to the beginnings of Modernism (Hardy).

ENG 328 20th Century Literature 3 credits
A study of the themes, genres, and authors of 20th-century literature.

ENG 344 Major British Author or Authors 3 credits
An intensive study of one or more major British authors such as Blake, Wordsworth, Arnold, Conrad, Hardy, Lawrence, Yeats, and Joyce.

ENG 345 Major American Author or Authors 3 credits
An intensive study of one or more major American authors such as Hawthorne, Emerson, Melville, James, Whitman, Twain, and Hemingway.

ENG 450 Seminar in Advanced Writing 3 credits
Prerequisites: Junior or senior class status and permission of the instructor.
A workshop in problems of advanced writing.

ENG 451 Historical Movement Seminar: Romanticism 3 credits
Advanced studies of one or more topics associated with an historical movement in British literature.

ENG 452 Historical Movement Seminar: American Literature 3 credits
Advanced studies of one or more topics associated with an historical movement in American literature.

ENG 454 Special Topics in Changing Forms 3 credits
Advanced study of one or more topics such as the Gothic Novel, Drama of the Absurd, The Epic, The Romance, Free Verse, or Detective Fiction.

ENG 455 Special Topics in World Literature 3 credits
Studies in national writing such as Chinese literature, Japanese literature, Scandinavian literature, and contemporary Hebrew literature.

ENG 490 Independent Study 3 credits

ENG 491 Directed Reading 3 credits

ENG 492 Internship 3 credits

ENVIRONMENTAL STUDIES

ENV 101 Social Sciences and Environmental Problems 3 credits
Current and emerging environmental issues are presented in the contexts of economic, social, and political influences upon the decision-making process. Additional contributions are offered by guest commentators about the nature of environmental problems, potentially available technological solutions, and the limitations of current conceptual and analytical knowledge.

ENV 102 Natural Sciences and Environmental Problems 3 credits
This course presents the scientific concepts and methods available for the evaluation of the nature of environmental problems, the physical aspects of these problems, the available potential technological solutions, and the limitations of current conceptual and analytical knowledge. Additional contributions are offered by guest commentators about economic, social, and political influences upon decision-making processes.

ENV 420 Internship in Environmental Studies 3–6 credits
The environmental program requires an internship with an external agency or other practical field experience. This is intended to ensure that environmental studies students are exposed to the practical applications of classroom experiences. This will involve prior permission and supervised readings in consultation with the chosen faculty adviser, and a substantial written project embodying the results of the internship.

ENV 485 Special Topics in Environmental Studies 2 credits
The environmental program will offer seminars on selected topics of current concern, as appropriate.

ENV 490 Special Topics in Environmental Studies 3 credits
Lectures on selected topics in environmental studies.

ENV 491 Independent Study 3 credits
Independent research in environmental studies is intended for students who are interested in exploring a particular aspect of an environmental problem. This independent study involves supervised readings and research in consultation with the chosen faculty adviser. A substantial written project embodying the results of the semester's work is required.

ENV/ANT 343 Primate Evolution and Adaptations 4 credits
This course studies the adaptations of Primates to their environments through time in terms of morphology, ecology, physiology, behavior, evolution, and the fossil record. The course is composed of lectures, readings, films, discussions, laboratory, and studies of exhibits at the Bronx Zoo and the American Museum of Natural History. An understanding of features shared by primates, especially those most closely related to humans, provides a necessary background for discussing human origins and evolutions.

ENV/EAS 104 Environmental Geology 3 credits
The influence of topography, bedrock, and climate on man. Introduction to basic geologic and oceanographic concepts. Soil conservation, water pollution, and land use that can disrupt the planetary ecological balance are considered within a geologic context.

ENV/EAS 156 Weather and Climate 3 credits
A survey of the world's weather and climatological patterns in relation to the Earth's continents, oceans, soils, vegetation,

and human culture and health. Topics include modern climatological classification systems, prehistoric climatic regimes, and statistical analyses of the nature and causes of climatic change.

ENV/EAS 260 Environmental Geography 3 credits

Topics include the survey of natural resources, both renewable and non-renewable, and an evaluation of their use, management, and conservation. Analyses are provided of the mode, occurrence, and classification of the economically important resources. Present and future consumption is considered with respect to known reserves.

ENV/EAS 280 Urban Environments 3 credits

Investigations into unique aspects and problems of the geologic, meteorologic, and aquatic environments of metropolitan regions. Topics include field relationships, projects, and problems related to pollution, land use, and utilization of resources. The reciprocal effects of the metropolis on the environment will also be examined.

ENV/EAS 310 Water Resources and Hydrology

3 credits

The distribution of surface and subsurface water supplies, the development of aquifers and drainage basins, and the quality of water supplies are discussed in relation to effects of urbanization.

ENV/EAS 323 Marine Resources

3 credits

A survey of the economic potential of marine resources and the fragility of the marine environment. Over-exploitation of coastal marine fisheries and coastal pollution from oil spills and waste disposal are discussed. The environmental impact of marine transportation and recreation will also be examined.

ANT 224 Human Evolution and Prehistory 4 credits

Biocultural aspects of human evolution beginning with primate ancestors and continuing through prehistory and the modern day. The fossil remains of various stages of human evolution will be studied. Controversial topics in the interpretation of fossil remains will be discussed. Twenty-five hours lab/fieldwork are required.

ANT 229 Humankind, Culture, and the Environment

4 credits

This course examines influences that varying environments have on human and biocultural adaptations. Concentration will be given to settlement patterns and population size of ancient and modern man, and the effect migration has on ancient and modern populations.

ANT 321 Historic Preservation

4 credits

The significance of cultural resources (archeological, architectural) is discussed. A survey of the development of historic preservation legislation with up-to-date case studies of the compliance processes is presented. Field activities include visits to historic sites in the Long Island area.

ANT 441 Forensic Anthropology

4 credits

Prerequisite: ANT 112, 222, or 224 or permission of instructor.

Demonstrates the process of recovering and assessing biocultural characteristics from human skeletal remains. A critical review of interdisciplinary literature and methodological processes is offered. Prehistoric human skeletal collections will be examined in the laboratory for characteristics of growth and aging, racial variation, sexual dimorphism and inherited variation, occupational stress markers and related trauma, dental biology, nutrition and dietary patterns, and disease. Twenty-five hours of laboratory/fieldwork are required.

BIO 103 The Living World*

4 credits

BIO 104 Darwin to DNA*

4 credits

BIO 111 Concepts in Biological Science*

4 credits

BIO 234 Principles of Ecology

4 credits

An introduction to the fundamental concepts of ecology, to illustrate the complex interrelationships of living organisms with each other and with their environment. The ecology of whole systems (forest, oceans) is emphasized.

BIO 243 Botany

4 credits

The interrelationships, evolutionary development, and taxonomy of representative plants from the major divisions of the plant kingdom. Emphasis is on morphology as it relates to function, economic importance, and classification.

BIO 253 Marine Biology

4 credits

Fundamental introduction to plants and animals indigenous to Long Island coastal and estuarine waters. Laboratory and field studies of natural history, life cycles, and adaptations of common species.

BIO/ANT 362 Jaws, Teeth and Forensic Dentistry

4 credits

Analytical descriptions of the anatomy, development, variation, anomalies, wear, trauma, and pathogenesis of dental structures and surfaces, as well as of the dental masticatory apparatus as part of the cranium form the basis of this course. Human dental morphology and function are examined in the context of our primate and hominid evolutionary phylogeny. Forensic aspects of the human dentition are examined based on diachronic variants of socioeconomic and sociocultural organizations of human populations. A required laboratory component of 25 hours in working with dental collections from prehistoric and recent human populations provides additional training in dental anatomy and variation. Forensics and paleopathology.

CHE 107, 108 Essentials of Chemistry* 4 credits each

CHE 470 Principles of Toxicology*

3 credits

ECA 111 The Price System*

3 credits

* See course descriptions under departmental listings.

ECA 215 Environmental Economics 3 credits*Prerequisite: ECA 111.*

An examination of economic issues related to the natural world. Questions of theory, institution, measurement, and policy are addressed. Topics include the market analysis of public goods, the tragedy of the commons, green G.D.P., economic sustainability, and cost.

PHY 260 Engineering Thermodynamics: Energy 3 credits

First and second laws, equilibrium, the zeroth law, properties of vapors and gases, work and heat, enthalpy, entropy, Helmholtz and Gibb functions, vapor power and refrigeration, gas power engines, gases and air-water mixtures, combustion.

POL 212 Environment and Politics 3 credits

An examination of the treatment of the environment in the political arena from a variety of perspectives, for example, institutional and structural, regulatory, leadership, and policy development. Attention is focused on the interdependency between environmental concerns and energy, resource development, and economic growth issues.

POL 213 Energy Policy 3 credits

This course will address the political dimensions of energy policy with emphasis on the U.S. experience. It will explore the impact of energy policy upon the environment, natural resources, economic growth, and the relationship between the public and private sectors. U.S. energy policy will be examined from a public policy perspective with attention to the development of alternative energy scenarios.

POL 326 Congress, Bureaucracy, and Policymaking 3 credits

Administration is the basis of organized human activity. Basic issues that affect the administration of public activities, e.g., management of agencies and programs, inter-governmental relations, budgetary processes, and bureaucratic behavior are examined. The overall theme of the course addresses the question of how public administration can contribute to responsible government.

HISTORY

HIS 101 Western Civilization I 3 credits

The Whys and Wherefores of History: its nature and functions; why historians are critics as well as recounters of the past. Religion, culture, politics, and society will be surveyed, and selected "heroes" and crises in Western culture from the Greeks to Galileo will be studied.

HIS 102 Western Civilization II 3 credits

The Whys and Wherefores of History: its nature and functions; why historians are critics as well as recounters of the past. Religion, culture, politics, and society will be surveyed, and selected "heros" and crises in Western culture from Galileo to Gorbachev will be studied.

HIS 103 American Civilization to 1865 3 credits

This course surveys North American history from the colonial period through the American Civil War. Social and cultural interactions between diverse peoples, economic trends, and political developments including the formation of the United States are among the subjects which will be explored. Extensive use of primary sources will provide a mirror into the minds of the men and women of the past.

HIS 104 American Civilization Since 1865 3 credits

This course surveys United States history from the Civil War through the present. Among the topics discussed are race relations from Reconstruction to today, industrialization, the Great Depression, the rise of the United States to world power and social and cultural trends such as the rise of feminism, the new right and mass culture. Extensive use of primary sources will provide a mirror into the minds of men and women of the past.

HIS 105 World Civilizations I 3 credits

This course provides a "macro historical" introduction to the civilizations of the world from their inception to about 1500. The course investigates parallel developments, as well as cultural diffusion within and among civilizations of Africa, the Americas, Asia, and Europe.

HIS 106 World Civilizations II 3 credits

This course will survey world history from approximately 1500 to the present. An examination of traditional societies and their interrelation in the post-Columbian period. Starting with Iberian, Ottoman, Chinese, Indian, and West African states, the course proceeds to discover the cross-cultural and cross-intellectual impact of the age of reaching out. The course ends with an examination of the re-emergence of traditional societies in an age of fluid communication.

HIS 201 Sophomore Seminar in Research Skills 3 credits

Required of all majors in the sophomore or junior year.

Research techniques, historiography, and the historical method.

HIS 210 Modern China 3 credits

This course explores the social, cultural, and religious developments surrounding the fall of Imperial China in 1911, the failure of the Guomindang to create a viable republic, the victory of the Chinese Communists, and the events leading to the Tiananmen Massacre.

HIS 215 Tudor-Stuart England 3 credits

England 1500-1714: A survey of the history of Tudor-Stuart England. Topics include the establishment of Tudor despotism, the Protestant Reformation, the English Civil War, the English Revolution of 1688, and the establishment of the British Empire.

HIS 217 The Middle Ages *3 credits*
 Feudalism Islam, Byzantium, the Church: development of town life, medieval art and literature; the beginnings of the national state.

HIS 221 Latin America I *3 credits*
 This course will deal with the major indigenous civilizations (Incas, Aztecs, and Mayas) in Latin America and with the development of the area after the “discovery,” conquest, and colonization by the Iberians.

HIS 222 Latin America II *3 credits*
 This course will include selected topics related to the cultural and political history of Latin America. Such areas will be discussed as: anti-Americanism in Latin American life, the cultural impact of migration to the United States, the role of religion, sexual attitudes, and the impact of the extended family on upbringing.

HIS 230 American Diplomatic History I *3 credits*
 American foreign policy and diplomatic relations from Colonial times to the beginning of the 20th century. The course integrates cultural, political, and historical perspectives.

HIS 231 American Diplomatic History II *3 credits*
 American foreign policy and diplomatic relations: the role of the United States in world politics since 1900. The course analyzes major events and policies including World War I and the Versailles settlement, American “isolationism”, and the Cold War.

HIS 238 Europe 1918–1945 *3 credits*
 An examination of the era of Mussolini, Lenin, Stalin, Hitler, Churchill, and the Second World War. We will emphasize the social and political consequences of the Russian, German, and Nazi Revolutions, the experience of total war, and the origins of the Holocaust.

HIS 250 Geography in History *3 credits*
 This course combines the study of world population, natural resources, culture, and economics with a series of in-depth examinations of the effects of geography in history. Some examples of the latter would be land power versus sea power and the role of geography in the U.S. Civil War.

HIS 281 Women in the United States I *3 credits*
 The colonial and early National experience, 1600-1830: A survey of women’s collective history in the United States with emphasis on women’s legal and political status, women’s work, religion, familial and sexual relationships.

HIS 282 Women in the United States II *3 credits*
 An examination of the experiences of women in the United States, 1900 to the present, with emphasis on work, family, political activities, education, sexuality, and health. The political science department accepts this course as an elective for political science majors and minors.

HIS 290 Special Topics: Geography in History *3 credits*
 This course combines a traditional regional approach to geography with selected examples of the influence of geography upon history by examining questions such as strategy in the U.S. Civil War, the Mediterranean in the 16th century, and modern European wars.

HIS 290 Special Topics: Atlantic World *3 credits*
 In this course we seek to analyze and explain, through transatlantic contacts, interchange, and development, how the locus of economic and cultural power shifted from the Old World to the New. Aside from the consequential transnational developments, we will also examine the evolution of new American societies and the impact of America and Africa on Europe.

HIS 290 Special Topics: The Sixties *3 credits*
 An examination of the post-World War II “baby-boom” culture, followed by in-depth study of the civil rights movement, rock and roll and American culture, Vietnam, the revival of feminism, and youth culture and counter-culture. The phenomenon of the 1960’s in America will be related to its immediate antecedents and to larger issues and trends in American history.

HIS 290 Special Topics: History of Film *3 credits*
 This course explores the relationship between historical events and how they are represented in the cinema. Many believe that movies reflect a sense of authenticity of the past but, as this course demonstrates, films reflect the concerns of the present as much, if not more, than historical reality. By viewing films and comparing them with historians’ and novelists’ accounts of the past, this course will touch on the links between history and myth.

HIS 304 History of Afro-Americans I *3 credits*
 This course explores the African origins, the forced removal of Africans to the Americas, the development of slavery and the resistance to that institution. We will also explore the free black communities and the institutions that African-Americans developed. The latter part of the semester will be devoted to the African-Americans’ role in the Civil War and during the period of Reconstruction.

HIS 305 History of Afro-Americans II *3 credits*
 This course examines the history of African-Americans from 1877 to the present. Emphasis is placed on post-Reconstruction historical problems, Jim Crow, self help, enlarged dimensions of racial conflict, the Harlem Renaissance, post-war years, the Civil Rights Movement, and the African-American Revolution.

HIS 390 Special Topics: Visions of War 3 credits

Melding the historians' craft with cultural analysis, this course uses works of art drawn from literature, painting, and cinema to explore how images of war change over time. From ancient Greece (*The Iliad*) through the World Wars of the twentieth century (Gallipoli and Hiroshima) to the civil wars in Central America and Northern Ireland, artistic depictions of war have reflected changing ideas and attitudes toward warfare.

HIS 418 Senior Seminar: U.S. History 3 credits

Prerequisite: HIS 230 or 231.

Students will do original research and write a scholarly paper on selected topics in American diplomatic history.

HIS 443 Senior Seminar: European History 3 credits

Prerequisite: HIS 238.

The seminar will focus on primary source research and historical criticism on the origins of World War II.

HIS 534 Special Studies in American History II 3 credits

The seminar covers American history from the Civil War to the twentieth century. This course does not cover every topic, but is instead a thematic exploration of the most relevant historical problems during this era. This seminar's goal is to introduce graduate students, prospective teachers and educators to a variety of problems and questions represented by contemporary writing on American history. By becoming familiar with these questions, students can separate one historical school from another, thus bringing more depth to their ability to prepare data based questions and shape their own history courses. Students can choose from the total number of topics discussed weekly during class and write three papers, utilizing the suggested primary source material, interpretive essays and texts that will be provided prior to each week's session.

LANGUAGES AND INTERNATIONAL STUDIES

INS 101, 102 Global Issues I, II 3 credits each

Introducing students to today's most pressing global and international issues, these courses explore the various political, economic, and cultural dimensions of conflict and security, the global economy, development, and the environment.

INS 201 Interdisciplinary Mid-Level Research Seminar 3 credits

Prerequisites: INS 101 and 102.

9 credits in Business or Political Science and 6 credits in Languages beyond Level IV.

The course will allow students, through discussion, analysis and research, to formulate research problems from an interdisciplinary perspective. Then, by using the relevant methodologies and sources, students will be able to restructure knowledge in ways meaningful to their interests.

INS 492 Internship in International Studies 3–6 credits

Prerequisite: Permission of major advisers in each of the two study areas (Languages and Business or Political Science).

In consultation with their major advisers, students will choose an internship which will integrate their language study with their area study. An analytical paper based on the work experience as well as a journal kept in the language studied are required. Please consult the director of the Program of Languages and International Studies for details.

INS 498 Guided Research 3 credits

Prerequisite: Open to seniors. Permission of the major advisers in each of the two study areas (Languages and Business or Political Science).

Intended for students who are interested in exploring in depth a subject dealing with their field of concentration. Supervised readings and frequent consultations with the chosen faculty mentor. A substantial written project embodying the work of the semester as well as a 10–15 page summary of this project written in the language studied are required.

English as a Second Language

ESL 111 English Language I 3 credits

This course is intended for students who need a systematic introduction to English grammar and writing conventions. By the end of the course, students will be expected to have learned to recognize and write a coherent paragraph and a short essay. Admission to this course will be based on placement/diagnostic test scores.

ESL 112 English Language II 3 credits

This course is open to those who have satisfactorily completed English Language I or those who are placed in this level based on their placement/diagnostic test scores. Speaking and listening skills will be developed through directed class discussions and academic listening/note taking exercises. Reading skills will be developed. Writing assignments will focus on paragraph to essay development.

French

FRE 111, 112 Level I French, Level II French 3 credits each

Prerequisite for FRE 111: None (not open to students with previous knowledge of the language except with permission of the Director).

Prerequisite for FRE 112: FRE 111 or equivalent.

A communicative approach to the basic elements of the language including listening, speaking, reading, writing, and culture. Work in the language laboratory is required.

FRE 121 Level III French 3 credits

Prerequisite: FRE 112 or equivalent.

A continuation of Level II with emphasis on the more advanced functions of the language through a communicative approach and a further development of cultural awareness. Work in the language laboratory is required.

FRE 122 Level IV French 3 credits

Prerequisite: FRE 121 or equivalent.

Further development of the four language proficiencies with emphasis on reading of cultural and literary selections. Work in the language laboratory is required.

FRE 231 French Cross-Cultural Concepts 3 credits

Prerequisite: FRE 122 or equivalent.

A study of the way of life of a people so as to understand their value systems as well as to achieve cross-cultural communication and understanding. A variety of sources will be used in order to help students identify those cultural patterns intrinsic to a society. Work in the language laboratory is required.

FRE 246 France Today 3 credits

Prerequisite: FRE 231 or equivalent, or permission of instructor.

Designed for students who wish to familiarize themselves with political and social structures as well as cultural attitudes in contemporary French society. Materials for study will include a variety of authentic documents.

FRE 263, 264 Introduction to International Business French I, II 3 credits each

Prerequisite for FRE 263: FRE 122 or equivalent.

Prerequisite for FRE 264: FRE 263 or equivalent.

Courses will focus on the study of the French language in a business context and on the aspects of French culture that affect business directly. Emphasis is placed on the acquisition of basic business vocabulary, oral composition, the comprehension of authentic business documents, and the writing of basic business documents.

FRE 292 The French Speaking World 3 credits

Prerequisite: FRE 122 or equivalent, or permission of instructor.

A study of the new trends in French speaking countries other than France: Africa, the Caribbean, Quebec, and their ties to France today.

FRE 302, 303 Emergence of Modern France I, II 3 credits

Prerequisite: FRE 231 or equivalent, or permission of instructor.

First semester: from the Revolution to the end of the 19th century.

Second semester: from the end of the 19th century to 1970. Traces intellectual, artistic, political, and social history of France; emphasis is put on aspects of her past which have contributed to the formation of a modern France.

FRE 310 Strategies in French Oral Communication 3 credits

Prerequisite: At least 12 credits in French required for the major.

This course will develop competence in the spoken French language at a functional level above the daily, practical one. Newspapers, periodicals, videos, and audiotapes will be used to provide the material necessary for the students to engage in discussions, debates, and presentations. Additional work in the language laboratory is required.

FRE 344 French Translation Techniques 3 credits

Prerequisite: At least 12 credits in French required for the major.

Study of the techniques of translation from French into English and English into French. Development of linguistic skills. Practice in translation of journalistic, technical, and commercial texts.

FRE 491 Directed Readings 3 credits

Prerequisite: Permission of Chair.

An opportunity to explore a selected literary topic relevant to advanced students.

German**GER 111, 112 Level I German, Level II German** 3 credits each

Prerequisite for GER 111: None (not open to students with previous knowledge of the language except with permission of the Director).

Prerequisite for GER 112: GER 111 or equivalent.

A communicative approach to the basic elements of the language including listening, speaking, reading, writing, and culture. Work in the language laboratory is required.

GER 121 Level III German 3 credits

Prerequisite: GER 112 or equivalent.

A continuation of Level II with emphasis on the more advanced functions of the language through a communicative approach and a further development of cultural awareness. Work in the language laboratory is required.

GER 122 Level IV German 3 credits

Prerequisite: GER 121 or equivalent.

Further development of the four language proficiencies with emphasis on reading of cultural and literary selections. Work in the language laboratory is required.

GER 490 Independent Study 3 credits

Permission of the director required.

An opportunity to explore a selected literary, linguistic, or cultural topic beyond the intermediate level.

Italian**ITA 111, 112 Level I Italian, Level II Italian** 3 credits each

Prerequisite for ITA 111: None (not open to students with previous knowledge of the language except with permission of the director).

Prerequisite for ITA 112: ITA 111 or equivalent.

A communicative approach to the basic elements of the language including listening, speaking, reading, writing, and culture. Work in the language laboratory is required.

ITA 121 Level III Italian 3 credits

Prerequisite: ITA 112 or equivalent.

A continuation of Level II with emphasis on the more advanced functions of the language through a communicative approach and a further development of cultural awareness. Work in the language laboratory is required.

ITA 122 Level IV Italian 3 credits

Prerequisite: ITA 121 or equivalent.

Further development of the four language proficiencies with emphasis on reading of cultural and literary selections. Work in the language laboratory is required.

Japanese

JAP 111, 112 Level I Japanese, Level II Japanese 3 credits each

Prerequisite for JAP 111: None (not open to students with previous knowledge of the language except with permission of the director).

Prerequisite for JAP 112: JAP 111 or equivalent.

A study of the basic elements of the language (listening, speaking, reading, writing) and culture. Work in the language lab is required.

JAP 490 Independent Study 1–5 credits

Permission of the director required.

Linguistics

LIN 103 Descriptive and Historical Linguistics 3 credits

Basic phonology, morphology, and syntactic theory. Nature of changes in phonology, morphology, vocabulary, and meaning. Topics selected for illustration include regional and social dialects. The nature of language as exhibited in an examination of species beyond man, such as the chimpanzee.

Spanish

SPA 111, 112 Level I Spanish, Level II Spanish 3 credits each

Prerequisite for SPA 111: none (not open to students with previous knowledge of the language except with permission of the director).

Prerequisite for SPA 112: SPA 111; or equivalent.

A communicative approach to the basic elements of the language including listening, speaking, reading, writing, and culture. Work in the language laboratory is required.

SPA 121 Level III Spanish 3 credits

Prerequisite: SPA 112 or equivalent.

A continuation of Level II with emphasis on the more advanced functions of the language through a communicative approach and a further development of cultural awareness. Work in the language laboratory is required.

SPA 122 Level IV Spanish 3 credits

Prerequisite: SPA 121 or equivalent.

Further development of the four language proficiencies with emphasis on reading of cultural and literary selections. Work in the language laboratory is required.

SPA 231 Spanish Cross-Cultural Concepts 3 credits

Prerequisite: SPA 122 or equivalent.

A study of the way of life of a people so as to understand their value systems as well as to achieve cross-cultural communication and understanding. A variety of sources will be used in order to help students identify those cultural patterns intrinsic to a society. Work in the language laboratory is required.

SPA 246 Spain Today 3 credits

Prerequisite: SPA 231 or equivalent.

This course will provide a critical understanding of Spanish culture and civilization as reflected in the current literature and ways of life. It will focus on significant aspects of the culture of Spain from 1975 to the present and examine Spain as a modern nation but keeping its heritage of the past.

SPA 248 Trends and Tendencies in Latin America 3 credits

Prerequisite: SPA 231 or equivalent.

A study of significant cultural, social, racial, economic, and political issues which have shaped contemporary Latin America.

SPA 251 Advanced Spanish Conversation 3 credits

Prerequisite: SPA 122 or equivalent. Not open to native speakers.

Efforts are made to develop a practical vocabulary and the ability to use the language as a medium of communication. Work in the language laboratory is required.

SPA 263, 264 Introduction to International Business Spanish I, II 3 credits each

Prerequisite: SPA 122 or equivalent.

These courses focus on the study of the idiomatic forms, locutions, expressions, phrases, general and technical vocabulary related to the business world; and on the aspects of Spanish culture that affect business directly. Emphasis is placed on the acquisition of basic business vocabulary and on oral communication.

SPA 310: Strategies in Spanish Oral Communication 3 credits

Prerequisite: At least 12 credits in Spanish required for the major.

This course will develop competence in the spoken Spanish language at a functional level above the daily, practical one. Newspapers, periodicals, videos, and audio-tapes will be used to provide the material necessary for the students to engage in discussions, debates, and presentations. Additional work in the language laboratory is required.

SPA 325 Development of Latin-American Identity 3 credits
Prerequisite: SPA 246 or 248.

This course will examine texts that define a people or clarify an aspect of their national character in the process of becoming, or represent turning points in the trajectory of that process.

SPA 344 Spanish Translation Techniques 3 credits
Prerequisite: At least 12 credits in Spanish required for the major.

Review of specialized language and idiomatic expressions in current usage throughout the Hispanic-American world. Development of specific skills in translating technical materials for use in legal, commercial, scientific, and related fields.

SPA 490 Independent Study 3 credits
Permission of the Director required.

Provides an opportunity to explore a selected literary, linguistic, or other relevant topic for those advanced students who have demonstrated a capacity to work effectively under minimal supervision.

MATHEMATICS AND COMPUTER SCIENCE

Mathematics

MTH 101 Mathematical Modeling in the Sciences 3 credits
No prerequisites.

A study of the modeling process, by which mathematics is applied to the sciences. Much of the mathematics (logic, graph theory, modular arithmetic, difference equations, etc.) is developed from scratch, and there is very little high school mathematics needed. Applications may include computer circuits, codes for storage and encryption, RNA and DNA chain recovery.

MTH 102 Mathematical Modeling in Human Affairs 3 credits
No prerequisites.

This course surveys recent applications of mathematics to aspects of human interaction such as psychology, government, conflict resolution, and managing organizations. In addition to the study of mathematical ideas and skills, there will be discussion of the applicability of the mathematical models to the domains of application.

MTH 110 Pre-Calculus 3 credits
Prerequisite: High school mathematics through intermediate algebra. Not open to the major in mathematics or computer science.

An elective or distribution course in mathematics. Also designed for students wishing to take OPR 272 who are not adequately prepared. A study of algebraic, exponential, logarithmic functions and graphs. The limit concept is introduced.

MTH 113 Survey of Statistics 3 credits
Prerequisite: High school mathematics through intermediate algebra. Not open to the major in mathematics or computer science.

Introduction to probability theory, random variables, and probability distributions. Statistics and sampling distributions; testing hypotheses and estimating parameters.

MTH 114 Statistics for the Natural Sciences 3 credits
Prerequisite: High school mathematics through intermediate algebra. Not open to the mathematics or computer science major.
 Develops tools for making decisions when faced with data. Teaches techniques for analyzing and displaying data, and performing statistical tests, with illustrative examples drawn from the natural sciences. Makes extensive use of statistical software in integrated labs and lectures. Stresses the use of computers as an aid to reason.

MTH 140 Elementary Functions 3 credits
Prerequisite: Two and one-half years of high school mathematics including some trigonometry.

A course designed primarily for students who wish to take MTH 141 but are not adequately prepared. Sets, relations, functions. A study of algebraic, trigonometric, exponential, and logarithmic functions and their graphs. The limit concept is introduced.

MTH 141, 142, Calculus and Analytic Geometry I, II 4 credits each
Prerequisite for MTH 141: Either a passing grade in a departmental placement exam, or a grade of C or better in MTH 140. Three years of high school mathematics including trigonometry are expected.

An introduction to differential and integral calculus of functions of one variable. Functions, limits, the derivative, the definite and indefinite integrals. Applications to physical and geometrical problems.

MTH 243 Calculus III 4 credits
Prerequisite: MTH 142.

Multivariable calculus, partial derivatives, multiple integrals, introduction to vector analysis. Infinite series.

MTH 244 Introduction to Ordinary Differential Equations 3 credits
Prerequisites: MTH 142 and 157, or equivalent.

First order differential equations, linear differential equations with constant coefficients, methods of undetermined coefficients, variation of parameters, series solutions. Concepts of linear algebra applied to systems of first order equations, higher order equations. Introduction to numerical methods. Applications.

MTH 253 Linear Algebra 4 credits
Corequisite: MTH 141 or permission of department.

Matrix algebra, determinants, solutions of systems of linear equations. Real vector spaces: linear independence, basis, and dimension. Linear transformations. Applications.

MTH 290–295 Mathematics Honors Seminar 1 credit
Prerequisites: MTH 141 and 157 and permission of department. May be taken for credit up to six times. This seminar is required of all students who wish to earn honors in mathematics.

MTH 321 Geometry I 3 credits
Prerequisite: MTH 142 or permission of instructor.
 A critical treatment of the foundations of Euclidean geometry. The parallel postulate, absolute and non-Euclidean geometries. Defects in Euclid's treatment and a modern axiomatization of Euclidean geometry. Independence, consistency, and completeness of a system of axioms; model of system of axioms. Coordination of Euclidean geometry.

MTH 322 Geometry II 3 credits
Prerequisite: MTH 142 or permission of instructor.
 Topics in geometry and computation.

MTH 326 History of Mathematics 3 credits
Prerequisites: MTH 143 and 257, or permission of instructor.
 Antiquity to the present: fundamental concepts and their historical background. Survey of the main fields of current mathematics.

MTH 351 Theory of Numbers 3 credits
Prerequisite: MTH 257 or permission of instructor.
 Divisibility properties, Euclidean algorithm, prime factorization, arithmetic functions, indeterminate problems, congruences, quadratic reciprocity.

MTH 355 Symbolic Logic 3 credits
Prerequisite: CSC–MTH 156 or permission of instructor.
 Sentential and predicate calculus. Proof theory. Recursive function theory. Gödel's theorem. Lambda conversion.

MTH 361 Introduction to Probability Theory 3 credits
Prerequisites: MTH 142 and 157.
 Laws of probability. Distribution functions, means and variance, moment generating functions, joint distributions, functions of random variables. The Law of Large Numbers. Binomial, Poisson, geometric distributions. Introduction to the normal distribution and the Central Limit Theorem.

MTH 362 Mathematical Statistics 3 credits
Prerequisite: MTH 361.
 Study of continuous distribution, the normal, uniform, and gamma distributions, the Central Limit Theorem, and normal approximations to the sample mean and sample proportion. Statistical inference, confidence intervals, hypothesis testing. Applications of the chi-square and F distributions, contingency tables, linear regression and correlation, analysis of variance. Non-parametric statistics. Case studies.

MTH 365 Mathematics Applied to Societal Problems 3 credits
Prerequisite: MTH 142.
 Mathematical modeling of social phenomena. Theory of social choice. Models involving signed digraphs, differential and difference equations, game theory, and linear programming. Applications in ecology, demography, political science, economics.

MTH–CSC 366 Introduction to Queueing Theory 3 credits
Prerequisite: MTH 361.
 Basic elements of queueing theory, arrival patterns, queue discipline, system capacity, number of servers, priority queues, network design. Theory of stochastic processes, discrete and continuous-time Markov chains, the Poisson Process, birth-death systems, and their relation to queueing systems.

MTH 383 Numerical Calculus 3 credits
Prerequisites: MTH 142 and CSC 171.
 Applications of programming to problems of the calculus. Interpolation, numerical integration, least square curve fitting, determination of the roots of algebraic and transcendental equations, solutions of simple differential equations.

MTH 390 Special Topics 3 credits
Prerequisite: Permission of department.

MTH 431 Analysis 4 credits
Prerequisite: MTH 143.
 The real numbers as a complete ordered field. Topology of the real line. Sequences and series. Functions of a single variable, limits and continuity; differentiability and mean value theorems. Riemann Integral. Fundamental theorem of the calculus. Improper integrals.

MTH 457 Abstract Algebra 4 credits
Prerequisite: CSC–MTH 156, MTH 157.
 The study of algebraic constructs, including groups, rings, and fields. Permutation groups, subgroups, normal subgroups, homomorphisms, quotient groups, fundamental isomorphism theorems. Cayley's Theorem, Sylow theorems. Commutative rings, integral domains, ideals, prime and maximal ideals, quotient rings, ring homomorphisms. Polynomial rings. Introduction to Galois theory.

MTH 490 Directed Reading 1–16 credits
Prerequisite: Permission of department.

MTH 493, 494 Special Topics 1–3 credits
Prerequisite: Permission of department.
 Selected topics in advanced mathematics.

Computer Science

CSC-MTH 156 Discrete Structures 3 credits *No prerequisites.*

An introduction to the algebra of sets and relations. Topics will include propositional logic, proofs, mathematical induction, Boolean algebra, combinatorial circuits, algorithms, recursion, graphs, trees, and finite-state automata.

CSC 160 A First Course in Computer Programming 3 credits *No prerequisites.*

This course is intended for students with little or no experience in computer programming. It gives students a feel for what programming is like, introduces the process of program development, and introduces the major concepts of programming—variables, data types, assignment statements, functions, parameters, conditionals, compound data types such as structures, lists, and arrays, and repeating constructs such as loops and recursion.

CSC 170 Introduction to Computers and their Applications 3 credits *No prerequisites.*

An introduction to the uses and limitations of computers and the World Wide Web. Social issues related to computing and telecommunications. Introduction to programming concepts as well as selected software. Use of the Computing Center facilities. Topics will include use of web browsers, telnet, FTP, e-mail, listserv, search engines, HTML programming, and web page generation.

CSC 171 Introduction to Computer Programming 3 credits *Prerequisites: Students who have not previously studied a programming language are strongly advised to take CSC 160 before attempting CSC 171.*

An introduction to a modern computer language and to modern techniques of computer programming such as structured and object-oriented design. Simple and aggregate data types, subprograms, programming style, and the software development cycle. Applications to simple computational problems.

CSC 172 Introduction to Algorithms and Data Structures 3 credits *Prerequisite: CSC 171.*

Further concepts of a modern computer language. Records, data structures and file handling, recursion. Applications.

CSC 173 Introduction to Computer Programming 2a (Visual Basic) 3 credits *No prerequisites.*

An introduction to programming in Visual Basic. Graphical user interfaces. Methods of structured programming including control and decision structures, procedures and functions. File processing. Object-oriented and event-driven programming concepts. Use of Visual Basic to access database and create graphics. Application design.

CSC 174 Computer Organization and Assembly Language 3 credits *Prerequisite: CSC 171.* *Corequisite: CSC 172.*

Introduction to machine architecture, machine language, basic logic design, arithmetic, and symbolic assembly language. Deeper understanding of computers will be taught through general concepts augmented by the study of at least one computer architecture in the 32 or 64-bit class. Programming methods developed in CSC 171 and CSC 172 will be utilized in this course.

CSC 233 Graphical User Interface Programming 3 credits *Prerequisite: CSC 172 and CSC/MTH 156.*

Design and implementation of programs with interactive, graphical user interfaces. Event-driven programming, damage-and-redraw techniques, callback/listener and model/view/controller patterns. GUI component libraries (e.g., Swing). Analysis of user requirements and use patterns; finite-state modeling of user interactions; prototyping and evolutionary software development; control and display modalities.

CSC 270 Survey of Programming Languages 3 credits *Prerequisite: CSC 172.*

Introduction to programming languages of diverse programming paradigms. Typically, two or three languages will be studied chosen from among C (procedural paradigm), C++ or Java (object oriented), Scheme (functional), or Prolog (logical). Emphasis will be on how to learn a new language quickly, and how to choose an appropriate language for any programming task.

CSC 271 Software I: Utilities and Internals 3 credits *Prerequisite: CSC 172.* *Corequisite: CSC 270.*

Good practice in program specification, advanced features of standard UNIX operating system utilities, line editors, screen editors, job control languages, batch operation, interpretive command languages, compilers, assemblers, interpreters, link/loaders, library maintenance. Introduction to operating system subroutines, with emphasis on inter-program communication.

CSC 272 Software II: Principles of Programming Languages 3 credits *Prerequisite: CSC 271.*

Principles of programming language design, with emphasis on design structures for good, clear maintainable code. Concepts of alternate languages, object-oriented, interpretive, functional, and block structured. Elementary concepts of language features designed for concurrent processing.

CSC 302 Artificial Intelligence 3 credits*Prerequisites: CSC 172 and 270 or permission of instructor.*

Introduction to the major concepts and techniques of artificial intelligence. Program representation, search methods, game tree search. Knowledge representation, logic, semantic networks, semantic primitives, frames, and scripts. Expert systems. Natural language processing. Vision, image processing, robotics.

CSC 333 Computer Graphics and Image Processing 3 credits*Prerequisites: CSC 270, MTH 243, 253*

Design and implementation of programs with interactive graphical user interface. Event-driven programming, damage-and-redraw techniques, the model/view/controller pattern. Analysis of user requirements and use patterns; prototyping and evolutionary software development in response to user feedback.

CSC 343 Data Structures 3 credits*Prerequisites: CSC–MTH 253 and CSC 270.*

Data structures, including stacks, queues, lists, trees, heaps, and arrays. Graphs, their definitions, notation, and elementary properties. Sorting and merging.

CSC–MTH 344 Algorithms and Complexity 3 credits*Prerequisites: CSC–MTH 253, MTH 141, and CSC 171.*

Space and time complexity. Enumeration techniques. Sorting and searching. Combinatorial and graphic problems. Experimental and theoretical measures of complexity.

CSC 371 Systems I: Computer Organization and Architecture 3 credits*Prerequisites: CSC 174 and 272.*

Computer organization. Machine representation of numbers, computer arithmetic algorithms, overflow/underflow protection. Combinational circuits for addition and multiplication. Control units, multifunction and pipelining. Memory organization, associative and cache memories, memory interleaving, memory hierarchies, paging, segmentation, virtual memory, input/output organization, I/O channels, I/O busses. Virtual machines. Microprogramming.

CSC 372 Systems II 3 credits*Prerequisite: CSC 371.*

Parallelism in computers. Tree-height reduction techniques. Recurrence relations, data dependence. Communication networks. Interconnection networks. Speedup, and efficiency of multiprocessors. Non Von Neumann Machines. Systolic arrays, RISC machines, data flow architecture. Compiler design.

CSC 390 Special Topics in Computer Science 3 credits*Permission of departmental adviser required.***CSC 440 Software Engineering** 3 credits*Prerequisites: CSC 172 or CSC 173.*

The techniques and principles of systematic software development. The software development life cycle. Software specification. Top-down design and structured programming; object-oriented design and data abstraction. Graphical user interfaces. Path testing, exhaustive test models, and construction of test data. Introduction to software tools and management techniques.

CSC 443 Data Base Management Systems 3 credits*Prerequisite: CSC 343.*

In-depth analysis of the hierarchical, network, and relational database models. Objectives of database processing. Storage structures and access methods. Database design and normalization, normal forms. Relational algebra and calculus.

CSC 450 Computer Networks 3 credits*Prerequisites: CSC 343, CSC 371.*

The basic concepts of data communication. Network topologies. Carriers, media, data codes, synchronous and asynchronous transmission. Modems, multiplexors, and other network hardware. Error detection and correction. The OSI model. TCP/IP.

CSC 453 Operating Systems 3 credits*Prerequisites: CSC 343 and 371, and MTH 361.*

Theory of operating systems; theory of concurrency and interprocessor communications; concepts of semaphores, synchronization, mutual exclusion, applications to operating system design, in particular using mutual exclusion to implement monitors and multiprocessing systems. Concepts of memory management, device management, virtual memory, and virtual machines. Concepts from file management.

CSC 471 Senior Project I 2 credits*Prerequisites: 23 credits of CSC courses.**Corequisite: CSC 371.***CSC 472 Senior Project II** 2 credits*Prerequisite: CSC 471.***CSC 490 Independent Study** 1–3 credits*Permission of department required.***CSC 491 Directed Reading** 1–3 credits*Permission of department required.*

MUSIC
Theory**MUA 110 Elementary Theory and Harmony I** 3 credits*Corequisite: MUA 112.*

Techniques of tonal harmony presented from written and analytic perspectives, beginning with a review of rudiments and continuing through the study of fundamentals of diatonic harmony. Four-part harmonization and analysis are included.

MUA 111 Elementary Theory and Harmony II 3 credits*Prerequisite: MUA 110 or permission of instructor.**Corequisite: MUA 113.*

Continuation of MUA 110.

MUA 112 Ear Training, Dictation, and Sight Singing I

1 credit

*Prerequisite: Permission of instructor required for non-majors.**Corequisite: MUA 110.*

Recognition by ear of intervals and chords, written dictation, sight-reading in three clefs.

MUA 113 Ear Training, Dictation, and Sight Singing II

1 credit

*Prerequisite: MUA 112 or permission of instructor.**Corequisite: MUA 111.*

Continuation of MUA 112.

MUA 136 Music Technology

3 credits

Permission of Chair required.

An extensive, practical course that links music to modern recording techniques in a multitrack studio. Course components include study of the physics of sound, miking, basic synthesizer modules and recording on 8-track and 24-track consoles. No background in electronics is required.

MUA 210 Advanced Theory and Harmony I 3 credits*Prerequisite: MUA 111 or permission of instructor.*

Chromatic harmony in writing and analysis, through 7th chords, extended dominants, altered chords, chromaticism and modulation. Harmonization of bass and soprano melodies and analysis of complex music.

MUA 211 Advanced Theory and Harmony II 3 credits*Prerequisite: MUA 210 or permission of instructor.*

Continuation of MUA 210 through 20th-century techniques.

MUA 212 Ear Training, Dictation and Sight Singing III

1 credit

Prerequisite: MUA 113 or permission of instructor.

Sight-reading in four clefs; written harmonic and melodic dictation, to include modulations to close and remote keys; rhythmic training.

MUA 213 Ear Training, Dictation and Sight Singing IV

1 credit

Prerequisite: MUA 212 or permission of instructor.

Continuation of MUA 212.

MUA 236 Music Technology

3 credits

Prerequisite: MUA 136 and permission of Chair. This course may be repeated for credit.

An extensive, practical course that links music to modern recording techniques in a multitrack studio. Course components include study of the physics of sound, miking, basic synthesizer modules, and recording on 8-track and 24-track consoles. No background in electronics is required.

MUA 294 Chamber Music Workshop

3 credits

Chamber Music Workshop fine-tunes intimate ensemble performance skills in a survey of repertoire from all styles and periods for two to ten players in various combinations. Coachings are geared to music majors; repertoire is the choice of the instructor and students. Each semester, professional recital opportunities offer career experience and community introduction for the participating artist.

MUA 310 Form and Analysis

3 credits

Prerequisite: MUA 211 or permission of instructor.

Detailed examination of selected examples of music literature from a harmonic, structural, and formal standpoint.

MUA 390 S/T: Basic Keyboard Skills

3 credits

Intensive practice at the keyboard for beginners or musicians with limited keyboard skills. Study of music fundamentals and reading.

MUA 413 Conducting and Orchestration

3 credits

Permission of Chair required.

Essentials of conducting: baton technique, score reading, interpretation, conduct of large ensemble rehearsals and routines. Work on ensemble blend and balance, styles, and repertoire. Attention to choral diction.

MUA 436 Music Technology—MIDI

3 credits

Prerequisite: MUA 236 and permission of Chair.

Practical course designed to introduce composition and notation in the electronic medium. Basic work with synthesizer modules, sound processing techniques, music sequencing software and computerized music notation.

History**MUH 120 Development of Western Music** 3 credits

Students gain knowledge and appreciation of the contribution of music to aesthetic theory and cultural developments, past and present, through the analysis and explication of major works heard in class and at performances. Independent listening and attendance at concerts is required.

MUH 290 The Arts and the Creative Process 3 credits

This course about art and the human imagination will explore philosophical, historical, and practical issues pertinent to the creative arts. By examining the nature of art, what compels the artist to create, the distinctions and connections among art forms, and the vital relationship between history and the arts, the variety and centrality of human expression through art will be seen in the broader context of liberal learning. This course rotates among the Music, Art and Art History, Communications, and Performing Arts Departments.

MUH 220 Music of the Classical Period 3 credits

Musical literature of the late 18th and early 19th century is examined in a sociological context, with particular attention to the works of Mozart and Haydn.

MUH 221 Major Composers of the 17th and 18th Centuries 3 credits

Musical literature and styles of the Baroque era are examined in a sociological context, with particular attention to the works of Bach and Handel.

MUH 222 Major Composers of the 19th and 20th centuries 3 credits

An intensive chronological study of musical developments in Western Civilization from the Romantic era up to the present. Interrelationship of music, art, philosophy, and other cultural factors. Representative composers, forms, styles, instruments and compositions.

MUH 238 Jazz—20's, 30's, & 40's 1–3 credits

Open to juniors and seniors only.

Study of the music, composers, artists, arrangers, and styles of this dynamic period in the history of an American art form.

MUH 239 Jazz—50's, 60's, & 70's 3 credits

Open to all students.

A comprehensive survey of the origins, styles and musicians who were important to the development of this unique American art form. Independent listening and concert attendance is required.

MUH 390 Special Topics: Rock Music, a Social History 3 credits

This courses studies the rise of the rock music phenomenon, its pervasive infiltration of many aspects of late 20th century society and its ongoing effects on the creation of “serious” music.

Ensemble Performance**MUO 240–241 Orchestra Performance** .5 credit
(Section 1)

Participation in weekly rehearsals of symphonic ensemble, performing extensive repertoire from the orchestral literature. Audition with the conductor is necessary for admission into the program.

MUO 240–241 Pop Ensemble (Section 2) .5 credit

A course designed to introduce the student to popular musical literature through performance in a small ensemble.

MUO 242–243 Choral Ensemble .5 credit

Participation in weekly rehearsals of the choral ensemble. Audition with the conductor is necessary for admission into the program.

Private Instruction**MUP 100–101, 200–201, 300–301, 400–401 Piano** .5 credit

Weekly private lessons designed to develop and expand keyboard technique and knowledge of the piano repertoire.

MUP 102–103, 202–203, 302–303, 402–403 Strings .5 credit

Weekly private lessons designed to develop and expand technique and repertoire.

MUP 104–105, 204–205, 304–305, 404–405 Woodwinds .5 credit

Weekly private lessons designed to develop and expand technique and repertoire.

MUP 106–107, 206–207, 306–307, 406–407 Brass .5 credit

Weekly private lessons designed to develop and expand technique and repertoire.

MUP 108–109, 208–209, 308–309, 408–409 Percussion .5 credit

Weekly private lessons designed to develop and expand technique and repertoire.

MUP 130–131, 230–231, 330–331, 430–431 Voice .5 credit

Weekly private lessons in voice production, breathing, development of tone, volume, and range. Repertoire includes art song to opera, and musical comedy.

MUP 132–133, 232–233, 332–333, 432–433 Guitar .5 credit

Weekly private lessons in either folk or classical guitar designed to expand and develop technique and repertoire.

PERFORMING ARTS

Acting

PFA 100 Improvisation 2 credits

Open to majors only. Twice a week.

The aim of the first year is to develop self-awareness and to discover the actor's potential—to diagnose strengths and weaknesses and to begin to break down bad acting habits. The focus of the exercise works will include improvisation, theater games, and ensemble building techniques.

PFA 108 Beginning Acting 3 credits

For non-majors. Twice a week.

A study of theater from the actor's point of view. The student is taught to explore and use personal knowledge and experience. Class projects include individual creative experiments as well as formal monologues and scenes.

PFA 109 Dramatics 3 credits

A course designed to help non-majors incorporate acting techniques as a way of building teamwork and self-confidence. Theater games, scene work, and improvisation are included in class work.

PFA 111 Introduction to the Professional Theater 2 credits

Open to non-majors. Twice a week.

Focus of this course will be obtaining work in the professional theater. The major actors' unions will also be covered. Putting together a picture/résumé, actors' relationships to agents and managers, and making the rounds. Contracts, riders, and residuals.

PFA 130 Mechanics of Voice Production 2 credits

Open to majors only. Twice a week.

Acquaints the student with the mechanics of voice production and how to preserve the health and longevity of the instrument and to increase control, quality, variety, and freedom of the voice.

PFA 150 Character Development 2 credits

Open to majors only. Twice a week.

Continuation of the intensification of training begun in first semester plus character development involving the inner life of the characters.

PFA 180 Voice Projection 2 credits

Open to majors only. Twice a week.

An intensification of the work done in PFA 130.

PFA 200 Text Analysis (Acting III) 2 credits

Open to majors only. Twice a week.

In the second year of acting, the student actor begins the application of the actor's technique to the demands of a script. While there is a reinforcement of work done in the first year, the stress is on character development, relationships, and environment. The emphasis is on analysis of text and subject.

PFA 210 Theater History I 3 credits

Open to non-majors. Twice a week.

A lively, introductory course in the history of European dramatic literature, beginning with the great tragic poets of Greek drama and ending with Shakespeare and the Renaissance stage. Special emphasis will be placed on the antecedents of the modern theatre, with particular attention to such playwrights as Aeschylus, Sophocles, Euripides, and Aristophanes. Also included will be Roman comedy and Senecan tragedy; early medieval and liturgical drama; early Tudor drama; William Shakespeare, Ben Jonson, Jean Racine, Moliere, and others. Class will consist of lectures on theatrical backgrounds, styles of staging, theatre architecture, and literary sources. Representative plays and selected readings in dramatic and critical theory will be required reading. Class trips to museums, films, and theatrical productions may also be included.

PFA 230 Diction (Voice III: Erasing the Local Accents) 2 credits

Open to majors only. Twice a week.

Continuation of techniques learned in the first year. The emphasis is on developing techniques for developing stage diction and projection.

PFA 250 Scene Study 2 credits

Open to majors only. Twice a week.

Continuation of PFA 200 (Acting III) with emphasis on choice of scenes for the actor's growth. Emphasis is on process, not on finished scenes.

PFA 260 Theater History II 3 credits

Open to non-majors.

The second half of Theater History I, this course examines the eighteenth and nineteenth-century European antecedents to twentieth century American drama. Playwrights such as Ibsen, Strindberg, Chekov, Wilde, Shaw, and Yeats will be discussed in terms of their influence on some of the major literary movements of the nineteenth and twentieth centuries. These movements include Romanticism, Naturalism, Symbolism, Impressionism, Expressionism, and Surrealism. American playwrights will include Elmer Rice, Eugene O'Neill, Tennessee Williams, Sam Shepard, Caryl Churchill, and others. Additional emphasis will be placed on the development of modern stagecraft and modern scene design. Class will consist of lectures and in-class discussion of plays. Also included will be a Broadway theater tour.

PFA 280 Diction (Projection—Working with the “Accentless” Voice) 2 credits

Open to majors only. Twice a week.

Continuation of voice and diction work from PFA 230 (Voice III).

PFA 290 The Arts and Creative Process 3 credits

This course about art and the human imagination will explore philosophical, historical, and practical issues pertinent to the creative arts. By examining the nature of art, what compels the artist to create, the distinctions and connections among art forms, and the vital relationship between

history and the arts, the variety and centrality of human expression through art will be seen in the broader context of liberal learning. This course rotates among the Performing Arts, Art and Art History, Communications, and Music Departments.

PFA 304 History and Performance of Drama I (Greeks to Jacobean) 3 credits

An introductory but intense course in performing drama written in verse, it concentrates on using Moliere, Shakespeare, and modern verse playwrights to develop skills in analysis and the making of powerful, text-based choices using basic elements like tone, color, meter, rhyme, pace, and rhythm.

PFA 340 Rudiments of Directing 2 credits

Open to non-majors with permission of instructor. Twice a week.
An introduction to the director's specific duties in realizing the production of a play. The student is taught the step-by-step procedure from script analysis, to director's concept, to its realization upon the stage. Full consideration is given to the director's responsibilities to the text, the production staff, the actors, and the management. The student is taught how to make a production budget, to present it, and is introduced to correct audition-casting procedures, as well as the setting up of a rehearsal schedule.

PFA 354 History and Performance of Drama II (Jacobean to Present) 3 credits

Continuing with the work of PFA 304, this course concentrates on Shakespearean monologues and scenes to deepen the student's understanding of how to act verse powerfully and truthfully, and continues work done in earlier classes in linking voice and bodily relation to text-based acting choices.

PFA 360 Directing 2 credits

Open to non-majors with permission of instructor. Twice a week.
An application of the tools of directing introduced in PFA 340. Working with specific texts the student will be taught to conceptualize production, to budget, audition and cast, to realize the scenes, to deal with actor's problems, and, finally, to identify and bring to life the accents and rhythms of the production.

PFA 380 Stage Accents 2 credits

Working with the isolation of each dialect's "signature sounds" and learning the techniques of shifting the focus of speech resonance, students are taught to research, document, rehearse, and develop accents and dialects for stage, animation, recording, or other use, while mastering their own personal vocal instrument.

PFA 400 Auditioning 2 credits

Open to majors only.
How to prepare monologues through proper selection and development; how to attract agents, search for work opportunities, and prepare for them; and how to prepare specific audition material for graduate school and regional or repertory theatre.

PFA 402 The Solo Performance

Open to fourth-year majors only. 2 credits
Actors will be taught to use their own personality traits, acting strengths, skill, and inclinations to discover their own style; from a spectrum of sources, they will prepare and perform a solo performance that will best serve that style.

PFA 404 Futurism and Surrealism 2 credits

A seminar class in readings and discussions from the avant-garde theater, with specific concentrations in Brecht, Artaud, and movements like "theater of cruelty," the surreal, and the Absurd. Provides a contrast to work in realism and an introduction to non-realistic acting techniques.

PFA 421 Introduction to Performing Arts Administration 3 credits

Open to non-majors – twice weekly
A blueprint for the management and production of theatre in all its various aspects. A complete nuts and bolts course that will be used in any performing arts management situation. Fully discussed are: fundamentals of theatrical producing (the idea, the manager for the idea, the performance space and the staff); methods (commercial New York, stock, resident, university and community theatre); business management (cost, cost control, box office and generating additional revenue); theatre and audience (community and press relations, publicity, advertising, promotion, audience engineering, and psychology).

PFA 450 Acting for the Camera 2 credits

Open to majors only.
On-camera technique for television commercials.

PFA 454 Realism 2 credits

Open to fourth-year majors only.
An intensive examination of the Stanislavskian basis for psychologically realistic acting. Theory and readings support serious work on realistic monologues and scenes from the modern theatre. Individual problems relating to the actor's capacity to be vulnerable and truthful are addressed.

PFA 481 Manhattan Production 2 credits

Learning the techniques of choosing self-advantageous material, of assessing the self professionally, and of attracting an audience of professional agents and casting people is rewarded with a Manhattan performance for a professional audience for graduating senior actors.

PFA 490, 491, 492 Independent Study 3–12 credits

Permission of program director required.
Independent study in theater.

Technical Theater/Design

PTD 101, 151; 201, 251; 301, 351; 401, 451 Research, Rehearsal, and Production *2 credits per semester*
Open to technical theater/design majors only.

A practicum course in technical theater. Students will be assigned to one or more current productions and assume responsibility for their contribution. Supervision and consultation will be conducted according to the specific function and the student's level. The student will adhere to the production schedule and be subject to the structure of the production.

PTD 103 History and Application of Theater Technology *2 credits*

This is an introductory level course geared to first- and second-year theater and dance majors. This course encompasses all realms of theater from its history to the latest state-of-the-art theatrical product. A careful overview of theatrical design, lighting, and sound as well as basic theatrical building techniques.

PTD 115 Mechanical Drafting *2 credits*
Open to non-majors.

A hands-on studio class, where students learn theatrical drafting techniques under the guided supervision of a professional theatrical designer. Emphasis will be placed on understanding and executing ground plans, elevations, and other drawing techniques. There will be a laboratory fee for materials.

PTD 153 Introduction to Costumes *2 credits*
Open to majors only, or with permission of instructor.

An introduction to the design of effective stage costumes. The student is taught to research for creative authenticity; to answer, in practical terms, the demands of the text, the ambiance and period of the play, the director's concept, and the actor's movement.

PTD 165 Scenographic Techniques *2 credits*
For majors only, or by permission of instructor.

The second half of Mechanical Drafting, this studio course focuses on advanced drafting and drawing techniques used in theatrical design. For those who have taken Mechanical Drafting, there will be no additional laboratory fees.

PTD 169 Sound *2 credits*
Open to majors only, or with permission of instructor.

A careful introduction to the physics of sound from frequency to Sabine's law. Working on state-of-the-art sound systems, students will present various sound projects as an introduction to theatrical sound.

PTD 213 Prop Construction *2 credits*

A survey course of major Western architectural and interior period styles ranging from prehistory to contemporary twentieth-century styles. With the aid of slides and lectures, students will explore a variety of period styles. Special emphasis will be placed on the variety of nineteenth-century styles most commonly encountered in theatrical set dressing and prop construction. Emphasis will also be placed on the integration of properties and theatrical design, and the use of props in actual production. A final project will include a constructed project under the guidance of the instructor.

PTD 223, 273 Stage Management I, II *3 credits each*
Open to majors only.

The role of the stage manager will be examined in terms of duties and responsibilities as well as the relationship to the production schema. Because the position of stage manager is dual in nature, it must be examined from the viewpoints of both the technical production aspects and the acting/directing functions. Students will be required to take part in both simulated and actual production situations.

PTD 241 Costume Construction *3 credits*
Open to non-majors with permission of instructor.

A lab course in the study of basic sewing techniques and the application of these techniques in the construction of stage costumes. Each week the class will include a discussion, a demonstration, and a practice session.

PTD 269 Makeup for the Stage *2 credits*
Open to majors only.

An introduction to the art of stage makeup including techniques of cosmetic enhancement of the actor as well as the age, ethnicity, and individual characteristics of a multiplicity of stage characters. Particular attention will be paid to physiognomy, light, shade, color, and character analysis.

PTD 313 Advanced Technical Theater *2 credits*
Open to majors only, or with permission of instructor.

An intensive study of theatrical technology, this course encompasses all realms of theater technology from digital lighting and sound systems to the physics of load calculation and theatrical machines. Projects may consist of work on an ongoing production or may be aimed at the systems and facilities of the program.

PTD 315, 365 Scene Design I, II *2 credits each*
Open with permission of instructor.

An introduction to the theory, practice, and history of theatrical design. Students will read, design, and discuss plays for two semesters under the guidance of a professional set designer. One semester of mechanical drafting is usually required for admission to the course. A laboratory fee will also be required.

PTD 317, 367 Lighting Design I, II 2 credits each
Open to majors only.

A comprehensive study of theatrical lighting design from its history to present day. This course begins with basic electricity, control, color media, and drafting symbols and progresses to lighting design on AutoCad and design realization. The student will be taught the design process to realize their personal designs.

PTD 319 Scene Painting 2 credits
Open to all majors, with permission of instructor.
Art majors welcome!

Learn faux finishing techniques such as wood-graining and faux marble with a professional scenic artist. Also included will be large-scale theatrical painting techniques used in Broadway and off-Broadway scene shops. Students will be responsible for providing their own brushes. Appropriate paint clothes are essential!

PTD 331 Draping and Pattern Making 3 credits
Open to majors.

A continuation of draping and pattern-making techniques used in costume houses and professional theaters. The course will include the study of period pattern-making from the Elizabethan age to the 20th century. Emphasis will be placed on the methods of period pattern making for both women's and men's costumes. Clothing history will be researched through the study of period patterns.

PTD 333, 383 Costume Design I, II 2 credits each
Open to majors only, or with permission of instructor.

Exploration of research techniques required to create costumes that are historically accurate, complement the director's concept, and meet the actor's needs for movement and comfort. This course provides the costume design major with sophisticated and in-depth skills required for research, design, and execution of stage costumes.

PTD 490 Independent Study 3–12 credits
Permission of Chair required.

Professional internships in advanced technical theater or design.

Dance**PFD 110, 111; 210, 211; 310; 410, 411 Ballet** 2 credits each

Prerequisite: Permission of program director. (May be repeated.)
Study and practice in ballet, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Meets five times a week.

PFD 125, 126; 225, 226; 325, 326; 425, 426 Modern Dance 2 credits each

Prerequisite: Permission of program director. (May be repeated.)
Study and practice in modern dance, designed to continue over a four-year range of technical work. Assignment to one of several sections is made on the basis of advancement and experience. Meets five times a week.

PFD 221–222 Dance Theory and Composition I, II 2 credits per semester

Prerequisite: Permission of program director.
Principles of dance theory and composition with application of spatial, temporal, dynamic, and dramatic elements in choreography. Emphasis on individual assignments.

PFD 236 Dance History and Criticism 3 credits

Open to non-majors by permission of program director; sophomores, juniors, and seniors.

The study of significant concepts in dance from preliterate societies to the present. Various functions of dance as art, ritual, and social activity, and their developments as spectacle and entertainment, are considered. In addition, the dance cultures of India, China, Bali, and Japan are compared to those in the western hemisphere, and are examined in relation to the social environment in which they exist. Attendance at dance performances is required and individual class projects are assigned.

PFD 248, 249 Period Movement 2 credits per semester
(May be repeated.)

A special course designed to meet the specific needs of acting and musical theater majors.

PFD 343, 344 Advanced Dance Repertory 3 credits

Open to junior and senior dance majors in advanced levels. (May be repeated.)

Study and practice of dance works from the classic and modern repertoires.

PFD 348, 398 Intermediate Dance Composition 2 credits

Prerequisites: PFD 221–222.

The study of dance composition with emphasis on the interaction of form and content in the creative purpose. Individual projects are required.

PFD 350 Dance Theater 3 credits

For majors only – three times a week

Credit given for rehearsal and performance of choreographic works on the Mainstage of the Olmsted Theatre.

PFD 390 Worlds of Dance 3 credits

Open to non-majors – twice weekly

A survey and examination of the styles and historical context of dance through the ages with a focus on developmental style and continuity.

PFD 415 Principles of Teaching Dance 3 credits*Majors only – twice weekly*

Theory and practice of methods and materials in the teaching of dance.

PFD 448, 449 Advanced Dance**Composition** 3 credits per semester

Prerequisites: PFD 221–222 and 348–398; and permission of program director.

Advanced study of dance composition with emphasis on solving problems in different modes of expression. Individual projects required.

PFD 490 Independent Study

3–12 credits

Permission of Chair required.

Independent study in dance.

PHILOSOPHY**PHI 105 Critical Thinking Skills: The Analysis of Arguments in Everyday Thought**

3 credits

This course seeks to explain some of the rules of good argument and help students recognize bad arguments used in everyday and academic thought. It will teach students how to criticize an argument and create counter-arguments. The course considers a variety of problems: imprecision, analogy, proof, statistics, and probability.

PHI 110 Introduction to Philosophy

3 credits

The student is introduced to philosophical ideas and the perspectives of some major philosophers through the reading and discussion of philosophical works.

PHI 212 Ethics and Morality

3 credits

An introduction to the nature of ethics and morality, alternative ethical theories, and the study of problems of moral conduct.

PHI 221 Philosophy of the Arts

3 credits

An examination of historical and contemporary theories concerning the nature of the arts and their role in human experience leading to inquiry into the philosophical ground for principles of artistic creation, appreciation, and criticism.

PHI 250 Eastern Philosophy

3 credits

An examination of Indian and Chinese thought that grounds students in the basic meditation practices of Buddhism and Hinduism as a means of deepening their understanding of the material studied.

PHI 280 Deductive Logic

3 credits

An introduction to semantics, the principles of formal reasoning, and the foundations of logical theory.

PHI 284 Philosophy of Science

3 credits

The student is introduced to the main contemporary movements in the philosophy of science with special emphasis being given to the historically oriented school of Kuhn and his associates. Topics to be considered include the nature of the scientific method, the problem of scientific revolutions, scientific reductionism, and the relation between science and the larger society.

PHI 311 The History of Philosophy I: The Pre-Socratics to the 12th Century

3 credits

Prerequisite: PHI 110 or permission of instructor.

An investigation of the historical development of traditional Western philosophy from its beginnings with the Greek philosophers before Socrates to the early scholastic philosophers of the Middle Ages.

PHI 312 The History of Philosophy II: St. Thomas to Kant

3 credits

Prerequisite: PHI 110 or permission of instructor.

An investigation of the historical development of traditional Western philosophy from St. Thomas Aquinas to Immanuel Kant. A continuation of PHI 311, pre-Socratic Greek philosophers to the early scholastic philosophers of the Middle Ages.

PHI 313 History of Philosophy III: Kant to James

3 credits

Prerequisite: PHI 110 or permission of instructor.

An investigation of the historical development of philosophy from Immanuel Kant to William James. A continuation of PHI 311 and 312.

PHI 322 American Philosophy

3 credits

An historical study of major American philosophical themes, such as puritanism, deism, transcendentalism, idealism, pragmatism, and naturalism. International influences on American philosophy as well as American contributions to international thought are examined. Representative thinkers considered include Jonathan Edwards, Benjamin Franklin, Thomas Jefferson, Emerson, Thoreau, Chauncey Wright, Josiah Royce, C. S. Peirce, William James, John Dewey, and Santayana.

PHI 330 Existentialism and European Thought

3 credits

A study of the literature and philosophy of this important 20th-century intellectual movement. Kierkegaard, Nietzsche, Sartre, Camus, Unamuno, Heidegger, Jaspers, Marcel, Buber, and Tillich are among major figures investigated. Contributions of existentialist thinkers to contemporary international problems are examined.

PHI 331 Analytic Philosophy and Pragmatism

3 credits

This course focuses on varieties of philosophizing developed in this century in England, Austria, and the United States, dealing with the nature of language, Logic, science, and philosophy itself, a style of philosophizing usually termed “analytic.”

PHI 354 Philosophy of History 3 credits

A study of purpose, pattern, and meaning in history as discussed by the West's great philosophers: Augustine, Hegel, Vico, Collingwood, Croce, and Whitehead. Particular emphasis will be placed upon the varying perspectives from which history may be viewed.

PHI 360 Philosophy of Religion 3 credits

Faith and doubt, the problem of evil, the nature and existence of God are some of the problems debated from a variety of philosophical perspectives. Scholasticism, Kantian rationalism, existentialism, and linguistic analysis are given prominent exposure in class discussions.

PHI 380 Bioethics 3 credits

Ethical issues in the life sciences: medicine, genetics, behavior control. This course features lectures and group discussions, with case studies on death and dying, patients' rights, professional responsibilities, behavior control, and biological engineering.

PHI 390 Special Topics in Philosophy 3 credits

May be repeated for credit with a different topic.

A course devoted to a topic of special interest in philosophy. Offered as needed.

PHI 406 Recent Political and Cultural Philosophy 3 credits

A philosophical study of the nature of authority, power, the state, and various cultural institutions and practices as well as alternative justifications for them. Particular attention given to theories about how advanced industrial society is developing and ought to develop. Consideration given to some recent fascist, conservative, and liberal views as well as Marxist, Leninist, and anarchist positions.

PHI 490 Independent Research 1–3 credits

Open to juniors and seniors. Registration only with permission of the chair of the department.

Independent research in philosophy: intended for students who are interested in exploring the philosophical aspects of work in a field of interest to them. Supervised readings, frequent consultations with the chosen faculty adviser, and a substantial written project embodying the work of the semester.

PHI 491 Directed Readings 3 credits

Open to juniors and seniors. Registration only with permission of the chair of the department.

Organized program of readings devised jointly by instructor and student with periodic meetings for discussion.

PHI 498, 499 Senior Project 4 credits

For majors in Philosophy. (2 credits each semester)

Open only to majors in philosophy in their senior year.

Independent work in philosophy extending over two semesters, and culminating in either a substantial written project embodying the results of research undertaken, or some other demonstration of philosophical competence. Those expecting to do graduate work in philosophy are advised to undertake a research project. Consult the department chair for procedures to be followed.

PHYSICS
PHY 100 Perspectives in Physics 3 credits

This course examines the relationship between physics and other sciences, the history of physics, and the principles of physics. It also examines the evolution of the universe and its building blocks.

PHY 104 Astronomy 3 credits

This course examines the universe, its structure and origins, the Big Bang, and initial conditions. It also examines the evolution of the universe, the formation of stars, planetary systems, and galaxies.

PHY 110 Physics for Music Lovers 3 credits

A journey through the physical wonders of sound. This demonstration course stresses, nonmathematically, the many areas physics and music share in common including hearing, pitch, quality and synthesized sound, physical characteristics of conventional instruments, design of new instruments, computed and computer music, acoustics, electrical reproduction, noise pollution, amplification and matching, formats, temperament, and vibrato.

PHY 111 College Physics I 4 credits

Prerequisite: One and one half years of high school algebra and one year of geometry.

An introductory algebra based course for liberal arts and pre-medical students covering the fundamentals of mechanics, waves, and thermodynamics.

PHY 112 College Physics II 4 credits

Prerequisite: A continuation of PHY 111.

An introductory non-calculus based course covering electricity, magnetism, light, and modern physics.

PHY 113 Physics for Science Majors I 4 credits

Corequisite: MTH 141.

Kinematics (speed, velocity, acceleration), vectors, Newton's laws of motion, dynamics (force and acceleration), equilibrium, gravitation, rotational motion, energy, wave motion, sound and thermodynamics. A number of problems will be solved using personal computers.

PHY 114 Physics for Science Majors II 4 credits
Prerequisites: PHY 113 and MTH 141.
Corequisite: MTH 142.

Calculus-based introductory physics course covering electro-magnetism and optics. Topics covered include: electrostatics, magnetism, electromagnetic induction, Maxwell's equations, geometrical optics, physical optics (polarization, interference and diffraction). Personal computers will be used to solve a number of problems.

PHY 121 Physical Universe: Astronomy and Cosmology 4 credits
Prerequisites: None.

This course examines the universe, its structure and origins, the Big Bang Theory and initial conditions. It also examines the evolution of the universe and the formation of stars, planetary systems and galaxies. There will be supervised observations in the physics observatory and laboratory demonstrations in the optics laboratory.

PHY 122 Light—Principles and Demonstrations 4 credits
Prerequisites: None.

Laboratory demonstrations of a variety of physical phenomena associated with light are presented and their underlying physical principles are discussed. Reflection, refraction, transmission, mirror and lenses, color, wave motion, polarization, holography, and several other phenomena are demonstrated including applications to photography and the principles of vision.

PHY 211 Introduction to Mathematical Methods in Physics 4 credits
Prerequisites: PHY 114 and MTH 142.

Series and complex numbers, vectors, matrix algebra, and fluid dynamics, fluid flow and divergence, circulation and the curl, applications of first-order differential equations to physics problems, numerical integration, numerical methods and second-order differential equations (Euler method, Runge-Kutta method), oscillatory motion, resonance, forced oscillations.

PHY 216 Physics III—Introduction to Physics of Atoms, Nuclei, and Solids 4 credits
Prerequisites: PHY 114 and MTH 142.

Special theory of relativity, wave and particle features of photons and electrons. Foundations of quantum mechanics, Heisenberg's uncertainty principle, atomic structure, structure of nuclei and studies on condensed matter.

PHY 230 Engineering Statics 3 credits
Prerequisite: PHY 114.

Statics of particles, equilibrium of rigid bodies, centroids and centers of gravity, analysis of structures, friction, forces in beams and cables, moments of inertia, methods of virtual work.

PHY 231 Engineering Dynamics 3 credits
Prerequisite: PHY 230.

Kinematics of particles, systems of particles, kinematics of rigid bodies, plane motion of rigid bodies, mechanical vibrations.

PHY 243 Analog Circuits 4 credits
Prerequisites: PHY 114 and MTH 142, or permission of instructor.

The course provides the foundations necessary to assemble simple analog circuits and test them. A number of circuits employing diodes, transistors, field effect transistors, and operational amplifiers will be assembled on breadboards and tested in the laboratory. The course will have one period lecture and one laboratory session, each of two-hour duration, per week.

PHY 244 Digital Circuits 4 credits
Prerequisites: PHY 112 and 114, or permission of instructor.

The course provides the foundations necessary to assemble simple digital logic circuits and test them. Microprocessors and microcomputers will be introduced and a variety of experiments based on computer architecture, computer interfacing, and data communications concepts will be performed. The course will have one period lecture and one laboratory session, each of two-hour duration, per week.

PHY 250 Physical Problems of Pollution 3 credits
Prerequisite: PHY 112 or 114.

Application of physics and natural sciences to environmental and pollution problems. Population growth models, world-resource-depletion models, and growth limits. The energy scenarios. Internal combustion, fossil fuel, and nuclear fuels. Water and air pollution. Conservation, ecotactics, and the role of agencies at various governmental levels.

PHY 260 Thermodynamics and Kinetic Theory 3 credits
Prerequisites: PHY 114 and 211.

First and second laws of thermodynamics, thermodynamic equilibrium, properties of gases and vapors, enthalpy, Helmholtz and Gibbs functions, refrigeration, gas power engines, gases and air water mixtures, combustion.

PHY 261 Computational and Problem Solving Methods in Physics 3 credits
Prerequisites: PHY 112 or 114 and MTH 141.

The course introduces a number of numerical techniques that are useful to solve a variety of physics problems. Topics include numerical integration, solutions to differential equations, Monte Carlo techniques and chaos. The course will have a number of problem solving sessions in mechanics and electrodynamics involving calculus.

PHY 264 Optics 3 credits
Prerequisites: PHY 216, 211, and MTH 142.

A survey of physical optics. The electromagnetic spectrum, wave theory, lenses, mirrors, image formation, optical cavities, the superposition of waves, Fourier methods, polarization, interference, and diffraction. Ideas important to contemporary ideas in optics and lasers are stressed. A number of computer problems simulating the optical paths will be worked out in geometrical optics.

PHY 301 Mathematical Methods in Physics 3 credits

Prerequisites: Physics through PHY 264, MTH 142 and 244. Mathematical techniques as applied to physics problems. Ordinary and partial differential equations with emphasis on boundary value problems in electricity and magnetism; complex variables; Laplace transforms; eigenvalue equations and special functions. PC based numerical techniques.

PHY 322 Advanced Physics Laboratory 4 credits

Prerequisite: PHY 216.

The course is designed to provide students with advanced modern laboratory experience. A number of experiments covering atomic, nuclear, solid state and optical physics will be performed. The students will get hands-on experience in modern experimental techniques and data acquisition and analysis procedures using computers.

PHY 380 Electromagnetic Theory 4 credits

Prerequisites: PHY 211 and MTH 244.

A study of electric and magnetic fields: electrostatics, Gauss' law, Laplace's and Poisson's equations, multipoles, dielectrics, magnetic induction, Bio-Savart and Ampere's law, magnetic properties of matter, Faraday's law, Maxwell's equations, energy and momentum, electromagnetic waves, and guided waves.

PHY 421 Undergraduate Physics Thesis I 3 credits

Prerequisites: Sixteen credits of sophomore physics courses through PHY 216 completed with a 3.0 GPA

This course provides research training to the students. The research topic can either be experimental or theoretical. The student will be working in close association with a faculty supervisor. A departmental committee will evaluate the project.

PHY 422 Undergraduate Physics Thesis II 3 credits

Prerequisite: Sixteen credits of sophomore physics courses through PHY 216 completed with a 3.0 GPA

This course provides research training to the students. The research topic can be either experimental or theoretical. The student will be working in close association with a faculty supervisor. A departmental committee will evaluate the project.

PHY 428 Quantum Mechanics 3 credits

Prerequisites: PHY 211, 216, and MTH 244 and 253.

Ideas leading to quantum mechanics; Schrodinger's equation in time-independent and time-dependent forms. One- and three-dimensional solutions of bound-state eigen value problems; scattering states; barrier penetration; the hydrogen atom; perturbation theory. Quantum mechanical description of identical particles, symmetry principles, multi-electron systems.

PHY 490 Independent Study 3 credits

Prerequisite: Permission of instructor.

PHY 493 Research Hours Credits to be arranged**PHY 513 Principles of Environmental Physics II** 3 credits

Open to junior/senior undergraduate students or with consent of the instructor or major adviser.

The topics covered include transport laws, radiation environment, microclimatology and the roles played by radiation, momentum transfer, heat transfer and heat balance. Greenhouse effect, ozone depletion and environmental consequences. Environmental models and computer based modeling.

PHY 555 Lasers and Holography 3 credits

Prerequisite: PHY 264 or equivalent.

Fundamental laser concepts. Spontaneous emission, stimulated emission, absorption. Optical amplification. Pumping process. Threshold conditions. Optical resonators. Theories and properties of gaseous, liquid, crystalline, chemical, and semiconductor lasers. Spatial and temporal coherence. Gaussian beams. Fundamentals of holography. Image reconstruction. Fresnel, Fourier, phase, computer holograms. Optical filtering. Demonstration experiments.

POLITICAL SCIENCE

Note: 300-level and 400-level courses, designed to meet major requirements, are open to non-majors.

POL 101 Introduction to the American Political System 3 credits

A study of political structures and processes that affect the scope and content of American politics. Examines the constitutional system (executive, legislative, and judicial), parties, interest groups, public opinion, nominations and elections, bureaucracies, the military and corporations.

POL 102 Introduction to Politics 3 credits

An introduction to the major theories, concepts, and methods of contemporary Western political science, and the five major components of the political science curriculum: American Political Issues; American Political System; Political Theory; Comparative Politics; and International Politics. Unifying concepts such as the management of conflict, power, and the authoritative allocation of values will be applied to the study of the state and the political process.

POL 200 Public Policy: Theory and Issues 3 credits

This course will examine how public policy is formulated, implemented, and evaluated. It will stress public policy as the result of the interaction between public and private actors over time, combining both group theory and institutional theory. The first half of the course will emphasize process and decision-making procedures. The second half of the course will apply the public policy process model to at least two contemporary issues by analyzing the role of interest groups, electoral politics, and governmental institutions in policymaking.

POL 201 Politics and the Family 3 credits

Despite the prevailing value that supports the privacy of the family, government has historically intruded on this privacy. From past support for the absolute rights of fathers and husbands, through the federal government's subsidy of the middle class suburban nuclear family and the welfare family to today's legislative and court decisions defining marital rape as a crime, government has attempted to regulate the structure, function, and behavior of the family. This course examines the attempts by interest groups, political parties, and elected officials to affect governmental involvement in the family through legislative, judicial, and administrative mechanisms. Activities within the United States as well as in selected European and Asian countries will be the focus of the course.

POL 212 Environment and Politics 3 credits

This course examines the political, economic, and regulatory aspects of environmental issues, focusing on the interaction of interest groups, the business sector, and government and the interdependency between environment and resource development, economic growth, and political values. The process of decision-making through which contemporary societies cope with environmental problems will be studied from American and international perspectives. Philosophies and strategies of the environmental movement will be examined through a hands-on research project.

POL 213 Energy Policy: A Political Perspective 3 credits

This course addresses the political dimensions of energy policy with emphasis on the U.S. experience. It explores the relationship of energy policy to the eco-system, economic growth, and national security. Awareness of the interaction of politics and technology is also critical to an understanding of the development of governmental responses to energy issues. Energy policy issues are examined from a public policy perspective examining alternative energy scenarios and strategies.

POL 225 The Modern Presidency 3 credits

This course assesses the development of the office and powers of the presidency viewed from a contemporary perspective. Beginning with an institutional focus, it traces the evolution of the presidency from the New Deal through the Clinton administration. The president is evaluated as both an individual personality and as a political actor interacting with the outside environment. The use, abuse, and constraints upon presidential power are the underlying themes of the course.

POL 240 Political Theory in Historical Perspective 3 credits

The major political theories that have shaped Western civilization from Plato to Karl Marx and John Rawls are the subject of this course. From the emergence of classical political thought in ancient Greece to the formulation of modern ideas of revolution and justice, this course examines the major political concepts and ideas that have established the foundation of Western political systems and molded competing visions of political identity. The theoretical underpinnings of democracy, monarchy, and modern dictatorships are explored along with relevant religious and social traditions.

POL 260 Comparative Political Analysis 3 credits

This course is an introduction to the comparative politics of industrialized democracies, communist states, and developing countries. Geographically, the course covers Britain, France, Germany, Japan, Russia, China, and Nigeria. Topics include the political culture of democracy and dictatorship; characteristics of parliamentary systems; political elites and modern democracy; class and party in electoral systems; and reform and revolution in evolving communist states.

POL 280 Theories and Practice of International Politics 3 credits

This course provides a basic understanding of the international system in the 20th century. Historical materials are combined with an analysis of contemporary issues in an attempt to gauge the validity of several theoretical paradigms as they apply to the practices of nation-states. Among the topics examined are the principal trends of the emerging post-Cold War era; the technological and economic bases of hegemonical power; nationalism; ethnic/religious divisions; collective security arrangements; conflict resolution; and the role played by international organizations and international law.

POL 303 Contemporary Issues of American Feminism 3 credits

Exploration of major issues raised by the contemporary feminist movement, including gender and family roles; educational and legal equity; federal and state legislation for equal rights; women in politics; reproductive rights; and violence against women.

POL 305 Race and Politics 3 credits

Political regimes have organized societies in ways that have used race and ethnicity as instruments of public policy. This course will analyze the political efforts of African-Americans in addressing their status and redressing the constraints that limit that status. The course explores the electoral efforts of African-Americans; the impact of black elected and appointed officials; the role of political institutions (Congress, presidency, Supreme Court) in advancing or constraining black status; the impact of interest groups in advancing or retarding black advancement; and the demographic changes leading to intra-minority and minority-ethnic electoral alliances or conflict.

POL 314 Political Issues through Film 3 credits

This course centers on the analysis of a contemporary politi-

cal issue—race, class, gender, war, or globalization, for example—through selected readings and film. Students explore, through careful comparison and contrast between film and readings, central political ideas regarding the theme of the course. The course encourages critical appreciation for the ways in which even non-political films can shape understanding of important political issues.

POL 322 Constitutional Law:

Government Powers

3 credits

This course will focus on constitutional controversies which have arisen from the relations among the three branches of the American political system. Major Supreme Court decisions which have shaped the governmental structures are reviewed, including those that refer to: the authority of Congress; federal relations; the limits of presidential power; regulatory policies of economic activities; and the conduct of foreign policy. The doctrinal trends which have developed historically through the Supreme Court's exercise of judicial review are highlighted.

POL 323 Individual Rights in the Constitution

3 credits

A unique feature of the American political system is its specification of individual liberties which the Constitution protects against the power of the government. Privacy; due process; equal protection; property rights; racial and gender discrimination; sexual harassment; freedom of expression and freedom of religion are among those provisions of the Bill of Rights which have produced extensive litigation and landmark decisions affecting all members of American society.

POL 324 Supreme Court as a Political Institution

3 credits

A study of the historical, philosophical, economic, social, institutional, and personal elements that make the Supreme Court a supremely political institution. Major attention to the Warren, Burger, and Rehnquist courts.

POL 325 Law and the Legal Process

3 credits

This course is designed to introduce students to the operation of the American legal system, including the sources of law; the nature of the legal process; the role of courts, judges, and attorneys; legal reasoning; and client advocacy. The first part of the semester examines the interaction of law and politics and the second half focuses on the procedural aspects of litigation, including an intensive simulation of a trial.

POL 326 Congress, Bureaucracy, and Policymaking

3 credits

Central to the understanding of the making of public policy is the relationship between Congress and the federal and state bureaucracy. Whereas the legislature formulates policy and the executive implements it, both institutions interact in a web of complex formal and informal relationships. Special focus will be on the study of administration and organizational behavior (the centrality of organized human activity) with attention to the Congressional management of agencies and programs, intergovernmental relations, budgetary processes, regulatory practices, and federalism.

POL 327 State and Local Government

3 credits

There have been increasing attempts to redesign American federalism by devolving power to subnational units of government (states, cities, and counties). This course explores the important role played by subnational units in formulating public policy and addresses issues hitherto seen as within the purview of the federal government. The course will concentrate on New York State as an exemplar of this process by analyzing the roles that issues, political parties, interest groups, personalities, governmental structures, and geographical conflict, e.g. cities versus suburbs, play in allocating resources.

POL 332 American System of Criminal Justice

3 credits

A criminal trial is the most traumatic contact point between the individual and government. The dynamics of American justice are traced through an examination of police-citizen encounters from investigation to sentencing, with special attention focused on the constitutional protections which the Supreme Court has enunciated.

POL 333 Making U.S. Foreign Policy

3 credits

The decision-making process as it pertains to foreign policy. An examination of the leading foreign policy-making institutions; the role of public opinion; the relevance of the bureaucratic politics model; potential reforms.

POL 342 American Political Thought

3 credits

This course examines the major political theories of American leaders and intellectuals from the colonial period to the present, including a conceptual analysis of republicanism, constitutionalism, liberalism (classic and welfare state), democracy, equality, and internationalism. Theorists such as Jefferson, Hamilton, Madison, Thoreau, Calhoun, Wilson, Dewey, and Friedman will be examined.

POL 345 Feminist Theory

3 credits

Examination of major feminist theories in Western culture from a historical perspective, including Wollstonecraft, *Vindication of the Rights of Women*; Mill, *The Subjection of Women*; and theorists from contending perspectives of the contemporary period, e.g., liberal feminism, radical feminism, and Third World feminism. How have these theorists explained women's oppression and what solutions do they suggest?

POL 360 Western European Political Systems

3 credits

This course focuses on contemporary politics in four Western European states: Britain, France, Italy, and Germany. Topics include: the historical formation of modern democracy; the rise of the European capitalist system; political and institutional developments since World War II; Eurocommunism and cooperation and tension in intra-European affairs. The course will also cover several modes of political analysis used in the study of Western Europe and political science in general.

POL 361 The Politics of Russia and the Former Soviet Republics

3 credits

This course focuses on the political change accompanying the demise of communism and the dissolution of the former USSR. This course examines the politics, policies and new institutional arrangements both within Russia and in Russia's relations with other selected states of the former Soviet Union through the Commonwealth of Independent States. The course focuses on the domestic and international factors that shape politics in Russia and the new states, such as ideology, nationalism, the military, the economy, leadership struggles, history, and the geopolitical environment.

POL 366 Political Economy of Development and Underdevelopment

3 credits

Introduction to the political and economic issues of development and underdevelopment in the modern world. Geographically, the course covers Western Europe, Japan, China, Latin America, Africa, Iran, and India. Topics include: the historical origins of industrialization in Europe; the impact of Europe on the Third World; the role of ideology and religion in economic and political transformation; the politics of land reform; industrialization and inequality; the problems of population growth; and the role of the military.

POL 371 Women and Comparative Political Development

3 credits

Since the United Nations Decade of the Woman, a critical scholarly perspective on economic and political development has emerged, called W.I.D.—Women in Development. This perspective argues that many development strategies have lowered women's status by imposing new sex-role patterns on farming and trading, and by carrying these disadvantages into the new industrial and urban centers of the developing world. This course will examine W.I.D. academic literature, focusing on issues of women's health, education, employment, population planning, and political participation in the developing nations of Asia, Africa, and Latin America.

POL 372 Hate and Conflict: The Artist, the Dancer, and the Political Scientist

3 credits

Prerequisite: Permission of instructor.

This is an interdisciplinary course for art, dance, and political science majors in an interactive setting. It explores the origins, manifestations of conflict as well as possibilities for resolution. The focus is on conflict among groups based on ethnicity, religion, class, education, nationalism, etc. There will be both written and creative projects.

POL 380 International Law and Organization

3 credits

Examination of the origin, changing structure, and application of international law, and the role of legal norms in regulating the behavior of states and maintaining international order. Study of the emergence of international, transnational, and regional political and economic organizations.

POL 381 American Foreign Policy Since 1945

3 credits

An analysis of the content and formulation of governmental decisions relating to other nation-states. The course re-evaluates the basic premises underlying American national security in the post-cold war period. The constitutional debate between the President and Congress over control of foreign policy and the roles of the military, the CIA and multinational corporations will also be evaluated.

POL 382 International Politics of East and Southeast Asia

3 credits

Introduction to international relations in East and Southeast Asia focusing on political and economic relations among China, Japan, the two Koreas, Taiwan, Hong Kong, Vietnam, Cambodia, Thailand, Indonesia, Malaysia, and Singapore. Role of outside powers in these regions.

POL 383 Comparative Foreign Policy

3 credits

A study of the foreign policies of Russia, Ukraine, China, the United States, and other states in a comparative global context. Description, evaluation, and application of various analytic models and approaches to compare and contrast the foreign policy-making institutions, styles, and processes of democratic, authoritarian, and totalitarian systems.

POL 385 International Political Economy

3 credits

An introduction to three major contending paradigms of international political economy today and analysis of international monetary, international trade, and foreign investment regimes. The course will also examine the rise of resource, manufacturing, and service multinational corporations, and study their impact on the international political system.

Internships and Directed Research

Information about these and other internships may also be obtained from the Office of Academic Services and Retention.

POL 337, 338, and 339

POL 337: 6–9 credits

Washington Semester Internship, Seminar, and Directed Research

POL 338: 3 credits

POL 339: 3 credits

Prerequisites: POL 101; at least one course from among the other offerings of the department in the areas of American Public Policy and American Government and Politics; POL 429, Seminar in Public Policy; a 3.3 overall GPA; and approval of the Political Science Internship Committee. Applications must be made one calendar year in advance of the internship.

POL 337, 338, and 339 must be taken together.

Offered three times yearly (fall, spring, and summer). Open to majors in any department or school; preference given to juniors and first semester seniors.

POL 429 Public Policy Seminar 3 credits
Prerequisite: Permission of instructor.

An intensive study of the institutions and processes of American public policy-making, and of selected subjects of public policy. The seminar is focused on national policy-making and the Washington political scene. Each student will prepare a research paper relevant to the seminar.

POL 479 Seminar: The Welfare State in Transition: A Comparative Perspective 3 credits

The Welfare State has been seen as a “third way” between capitalism and communism. This third way has been characterized by governments in Scandinavia, Western Europe, and Canada. It features what is commonly called “cradle to grave” guarantees to the citizens by the state. The state condones the acquisition of wealth but utilizes the taxing mechanism to redistribute wealth and services. This course will examine the political structures, processes, and policies of several nations that are or have been “Welfare States” – Sweden, Norway, Denmark, Holland, Canada, Great Britain, France, and Germany, one quasi-welfare state: The United States, and four potential welfare states: Estonia, Lithuania, Hungary, and Poland. Students will make presentations in class and will produce an annotated bibliography and one research paper of 20 pages.

POL 490 Independent Study 3 credits
Prerequisite: Permission of department.

POL 491 Directed Readings 3 credits
Prerequisite: Permission of department.

POL 492 Directed Work Experience 3 credits
Prerequisite: Permission of department.

POL 400 Level Advanced Seminars 1–3 credits
Prerequisite: Permission of instructor.

Open to non-majors.

Students learn research design construction, research techniques, critical analysis of evidence, and hypothesis testing. Students develop individual research projects with written and/or oral presentations based on seminar topic.

SOCIOLOGY

SOC 100 Introduction to Sociology 3 credits

This course focuses upon the basic principles, conceptualizations, terminology, themes, and issues that are the building blocks of sociological analysis.

SOC 101 Social Problems 3 credits

“What’s wrong with the world?” in modern societies; social and economic inequality; racial tensions and conflicts; poverty in the midst of affluence; loss of community in mass society; crime and the inadequate agencies of justice; individual liberties and civil disorders vs. institutional controls; dilemmas of advanced technology; the problem of balancing individual freedom and social order; ideologies and their relevance and irrelevance in advanced industrial societies; alienation and anomie.

SOC/ANT 105 Culture and Society 3 credits

This course will explore the differences and similarities within the social sciences, contrast the social science perspective with that of the humanities and prepare students to address the theoretical and methodological issues relevant to anthropological and sociological research that they will study in greater depth in junior and senior years.

SOC 200 Sociological Statistics 4 credits

An introduction to the principles of statistical reasoning in social research. Descriptive and inferential statistics. Included are measures of central tendency, dispersion, probability, sampling distribution, parameter estimation, hypothesis testing, measures of association, correlation and regression, and analyses of variance. An introduction to non-parametric techniques applicable in social research.

SOC 201 Sociological Research Methods 4 credits

Prerequisites: SOC 100 and 200.

Basic methods in the study of social phenomena. The logic and theories of sociological inquiry; relationship of research to sociological theory at different levels of generality. The study of research design, participant observation, interviewing, formal surveys, questionnaire construction, coding analysis, content analysis, scaling construction.

SOC 202 The Classics of Social Thought 3 credits

Historical survey of the sociological tradition, from the 17th- and 18th-century social philosophers (Hobbes, Locke, Rousseau) to the classics of the 19th century (Tocqueville, Stuart Mill, Marx) to the beginnings of modern sociology (Durkheim, Weber). This course is strongly recommended to all students in the social sciences.

SOC 203 Contemporary Sociological Theories 3 credits

Prerequisite: SOC 100.

Course focuses on 20th century sociological theories such as G.H. Mead, Merton, Riesman, Goffman, Berger, Garfinkle, and Sorokin. Discussions center around the functionalist, conflict, and symbolic interaction perspectives. There is a focus on the application of sociological theory to the empirical world.

SOC 220 Sociology of Organizations 3 credits*Prerequisite: SOC 100.*

The social structure and operation of work organizations—factories, offices, schools, hospitals, etc. Included are such subjects as formal and informal organization, management, work motivation, labor unions, alienation from work, intrinsic and extrinsic meanings in work, and the Protestant ethic.

SOC 225 Sociology of the Family 3 credits*Prerequisite: SOC 100.*

The family and marriage today, in modern society, compared with the past and with other societies. Is the family becoming obsolete? What alternatives are emerging? What roles do extended kin play in the modern world? Have the generations grown farther apart? What happened to the sexual revolution?

SOC 230 Social Problems of the Family 3 credits

Presentation and discussion of family poverty and economic constraints, single parenthood, divorce and its consequences, violence and abuse in relationships, addiction and co-dependency, remarriage and step-parenting. Students will do field research in an area of their choice.

SOC 233 Mass Media in Contemporary Society 3 credits*Prerequisite: SOC 100.*

Analysis of mass media in contemporary society, including media organization, types of content, effect on audience. The different media will be compared, including the impact of the different technologies.

SOC 240 Sociology of Violence 3 credits

This course explores social and cultural theories, definitions, and perspectives on violence; examines the presence of violence in our contemporary society in various situations and events including family violence, bias violence, political violence, religious violence, state violence; looks at representations of violence in art and popular culture; explores perspectives on nonviolence.

SOC 241 Gender: Roles and Identities 3 credits*Prerequisite: SOC 100.*

Examines the roles of contemporary American men and women as participants in family, vocational, community, and sexual institutions against a background of a historical and cross-cultural survey of gender roles. Evaluates the evidence for innate temperamental differences between the sexes. Appraises the desirability of various proposals for realizing the full potentialities of both sexes.

SOC 244 Sociology of Deviance 3 credits*Prerequisite: SOC 100.*

The structural and interactive roots of deviation covering the spectrum from nonconformity to hyperconformity. Various deviance theories will be analyzed, including the labeling perspective, anomie theory, subcultural theory, etc. The role of social control and social control agencies in the deviance process. Discussion of the variety of nonconventional lifestyles. Deviance will be examined in terms of culturally patterned responses to economic, political institutions, and cultural expectations.

SOC 246 Criminology 3 credits*Prerequisite: SOC 100.*

Examination of various theories of criminality; sociological analysis of the patterns of criminal behavior, the relationship of crime to law, and other aspects of the social order; critical examination of theories of criminality; societal reactions to crime; analysis of the criminal justice system; the police, courts, prison and its alternatives.

SOC 249 The Italian-American Experience 3 credits*Prerequisites: SOC 100 and permission of instructor.*

A sociological analysis of the basic socio-political-historic roots of the Italian-American experience. This course is an in-depth study of the culture and institutions (family, religion, politics, education) of the Italian group in Italy as well as the changes that resulted in those who immigrated to America as a response to the new way of life. The course stresses the effects of social change upon this group through the succeeding generations, from a socio-historical perspective.

SOC 260 Cities, Towns, and Suburbs 3 credits*Prerequisite: SOC 100.*

Life in modern urbanized communities: cities, towns, and suburban areas. Growth of cities and the proliferation of city influences to towns, suburbs, and metropolitan areas generally; the growth of the megalopolis; analysis of different kinds of modern community structure, and the social forces operating therein; the impact of urbanization on other spheres of life; family, education, ethnic relations, leisure, economics, and politics.

SOC 270 American Ethnicity 3 credits*Prerequisite: SOC 100.*

A study of American racial, ethnic, and religious groups; their historical development, special problems of adjustment and assimilation, and specific present-day problems and trends.

SOC 271 Race in the United States 3 credits*Prerequisite: SOC 202.*

Race is and has been a fundamental issue and dilemma within the United States. Early social thinkers questioned as to whether it was a situation that would ever be resolved. This course will explore the experience of race within this culture, through history and through social practice, as it had defined a life for those of color and as it has affected all members of this society.

SOC 275 Media Images of**Italian-Americans***3 credits*

The manner in which Italian-Americans have been perceived by the American society has been, to a large extent, created and perpetuated by the mass media portrayal of this ethnic group. This course will analyze the socio-historical development of the media portrayal of the Italians in America.

SOC 288 Special Topics Seminar*3 credits**Prerequisite: SOC 202.*

This seminar aims at interesting students, from all academic disciplines, in special topics that are analyzed from theoretical and analytical sociological frameworks.

SOC 330 Social Class and Inequality*3 credits**Prerequisite: SOC 100.*

A comparative study of the nature of class structure. Emphasis is on the United States, with comparative references to India, Great Britain, Russia, and other societies; as well as theories of class structure, factors determining class membership, differential class behavior, and social mobility

SOC 335 Religion in Culture*3 credits*

This course offers a sociological analysis of religious cultures and institutions within societies throughout the world. Topics include: traditional religions, new religious movements and non-institutional forms of spirituality.

SOC 375 Comparative Community Studies*3 credits**Prerequisite: SOC 100.*

A study of community forms and processes from a broad cross-cultural view; anthropological studies of tribal communities, studies by either anthropologists or sociologists of folk or peasant or small-town communities in a variety of settings. The range is from tribal-with-minimal-urban contact to subcommunities with complex urban or fringe environments to whole communities within modern industrial societies.

SOC 380 Social Change*3 credits**Prerequisite: SOC 100.*

Analysis of the changing patterns of social institutions in contemporary industrial societies; sociological theories about change; discussion of current trends and patterns of change.

SOC 386 Majors' Seminar*3-6 credits*

The content of our Majors' Seminar will be different every year. Students can take SOC 386 as an elective.

SOC 490 Independent Study**in Sociology***1-3 credits*

Prerequisite: 12 credits of sociology, with 3.5 average (3 of the 12 credits must be SOC 195).

Reading and research on selected topics in sociology, under the guidance of the faculty adviser.

**CENTER FOR AFRICAN AMERICAN
AND ETHNIC STUDIES**
**AAS 100 African Civilization and
Society in the New World I***3 credits*

This is the first part of a two-part sociohistorical survey of the development of African society and civilization in the Western Hemisphere. The course examines the historical movement of Africans to the Americas and the Caribbean, highlighting their experience in and contributions to the new environments, up to the period of the abolition of slavery and emancipation.

**AAS 101 African Civilization and
Society in the New World II***3 credits*

This is the second part of a two-part survey of African experience in the Western Hemisphere. The position of peoples of African heritage in the post-abolition era in different areas is discussed. So are the creative maintenance and adaptation of aspects of African cultural expression, and the peoples' economic, political, intellectual, cultural, and other contributions to the societies of the hemisphere.

AAS 130 History of Black Dance in America*3 credits*

This course includes learning and performing African dance and its movements.

AAS 135 History of Black Performing Arts*3 credits*

This course will cover the careers of African American producers, directors, actors, dancers, and musicians, and their pathways to success. The principal objectives are to introduce students to the African American perspective of the performing arts and to develop creative thinking. The course will be enhanced through the use of films/videos as well as student research presentations.

AAS 140 Black Drama Workshop*3 credits*

The principal objectives of this course are to introduce students to black perspectives of drama, develop creative thinking, and provide for creative energies. The procedure to accomplish this will include stage and body movements, speech and voice exercise (including accents of the Caribbean and Africa), and improvisation.

AAS 208 Elements of Black Culture*3 credits*

This course examines the origins of African American culture. It considers African American achievement of a creative synthesis of indigenous African culture and the culture of the American environment in which the people live. The course discusses the continuity and change in African American culture in the spheres of language, marriage and family, religion, political and economic affairs, social relations and activities, and community life generally, down to the present day.

AAS 260 African American and African Caribbean Writers I**3 credits*

The first semester of this two-semester course is designed to give students an introduction to African American literature, and examines how 20th century African American writers have been influenced by their Black heritage, particularly the institution of slavery, and how they have then proceeded to locate their characters within the history of the United States. The reading list includes writers such as James Baldwin, Lorraine Hansberry, Langston Hughes, Zora Neale Hurston, Toni Morrison, Gloria Naylor, Alice Walker, and August Wilson.

AAS 261 African American and African Caribbean Writers II**3 credits*

The second semester of this two-semester course is designed to give students an introduction to African Caribbean literature, and examines how 20th century Caribbean-American writers have been influenced by their Black or Hispanic heritage, and in particular, how individual, ethnic/racial, and national identity has been affected by the immigration experience. The reading list includes writers such as Julia Alvarez (the Dominican Republic), Michelle Cliff (Jamaica), Edwidge Danicats (Haiti), Cristina Garcia (Cuba), Jamaica Kincaid (Antigua), Paule Marshall (Barbados), and Derek Walcott (St. Lucia).

AAS 317 The Civil Rights Movement*3 credits*

This is a study of the struggle of African Americans and other minorities to achieve equality and justice in the United States, and the resistance they encountered. It traces the history of the movement from the period of slavery, the Civil War and Reconstruction, through its triumph in the Civil and Voting Rights Acts of 1964 and 1965, to the Clinton Administration's Motor Voter Bill of 1993.

AAS 390 Special Topics: Peoples and Cultures of the Caribbean*3 credits*

An exploration of Caribbean cultures and societies from an anthropological perspective. The emphasis will be on African Caribbean cultures and the transplanted Caribbean immigrant cultures in the United States. Common historical experience and the diversities unique to the area will be explored in terms of language, family, and ethnicity. The methodology will be descriptive and critical.

AAS 390 Special Topics: Ethnic Dance*2 credits*

No prerequisites, open to non-majors, and may be repeated once.

Study and practice of ethnic dance forms and styles, such as African, African American, and African Caribbean.

AAS 490 Independent Study*1–16 credits***AAS 491 Directed Readings***1 credit*

This course is part of the John Hope Franklin Distinguished Lecture, which is given annually during Black History Month. The first lecture (1987) was given by the eminent American historian Dr. C. Vann Woodward of Yale University. His topic was W.E.B. DuBois. Students are required to read one book or three scholarly articles on the topic of the lecture. Students are to also meet three times with the professor coordinating the directed readings.

HIS 304 History of African Americans I*3 credits*

This course explores the African origins, the forced removal of Africans to the Americas, the development of slavery, and the resistance to that institution. We will also explore the free black communities and the institutions that African Americans developed. The latter part of the semester will be devoted to the role of African Americans in the Civil War and during the period of Reconstruction.

HIS 305 History of African Americans II*3 credits*

This course examines the history of African Americans from 1877 to the present. Emphasis is placed on post-Reconstruction historical problems, Jim Crow, self help, enlarged dimensions of racial conflict, the Harlem Renaissance, post-war years, the Civil Rights Movement, and the African American Revolution.

HIS 361 African History*3 credits*

This is the first part of a two-part introductory series designed to provide a broad acquaintance with African culture, civilization, and history from the earliest times to the eve of the colonial era. The course will discuss the origins of humankind, the development of civilization in Africa, and other general continental themes. It will then focus on ancient African states and societies and their evolution into the modern era.

* AAS 260 and AAS 261 are cross-linked with ENG 262 and ENG 263, respectively. May be taken to fulfill elective credit for English major.

SPECIAL PROGRAMS

ABLE

Criminal Justice Administration (ACJ)

ACJ 101 Crime and Justice in American Society

4 credits

This course provides students with an introduction to the evolution and history of the American criminal justice system. In order to understand contemporary crime problems, we will review the past from the time of Moses and the Old Testament through the old English codes of Victorian England. In addition, we will cover the beginning of American policing from the colonial period through the 20th century.

ACJ 108 Society and The Individual

4 credits

This course is an introduction to sociology. The influence of society on the lives and life chances of its individual members will be examined. The key focus will be on the sociological understanding of American society as it exists now. Theories, concepts, terms, and principles will be related to “real life.”

ACJ 171 Introduction to Psychology

4 credits

This course is an introduction to the principles of the scientific discipline of psychology. Students will receive a broad foundation in psychology theory and research. The course utilizes an eclectic perspective and the scientific methods.

ACJ 265 Criminal Justice Planning and Research

4 credits

This course provides students with basic training in the application of statistical analysis to research issues and questions that they may encounter in a practical “real life” criminal justice environment. The course covers basic social research concepts, a variety of statistical techniques, and instruction in the use of the SPSS statistical software package for conducting statistical analysis.

ACJ 363 Criminal Law

4 credits

This course is an examination of the Penal Law of New York State. We will discuss all major crimes and defenses and over the course of our discussion arrive at some understanding of the law as it now exists and the law as it perhaps ought to be.

ACJ 364 Administrative Law

4 credits

This course examines the laws and procedures which help to regulate the power and authority of government agencies. Topics to be covered include evidence, proof, appeals, and the relationship of agencies to the public and to the sector they control.

ACJ 370 Ethics and Morality

4 credits

This course examines the nature of ethics and morality. It is a broad survey of the great moral teachings of the Western Tradition including all major philosophical and religious orientations. Key questions to be considered are the benefits of virtue, the foundations of moral obligation, sources of moral law, the toll of subjectivism, personal morality versus social justice, and others.

ACJ 381 Cultural Diversity

4 credits

The American workplace is being transformed by an unprecedented influx of multicultural diversity with differences in gender, age, ethnicity, language, race, and physical ability. This course provides a framework wherein individuals may begin to develop an awareness of the skills needed to build bridges between diverse groups.

ACJ 389 Conflict Management

4 credits

The course examines conflict as a basic social process while exploring differing theoretical perspectives on the functions of social conflict. Conflict will not be seen as something to be avoided, but rather as something to be managed.

Specialization: Corrections (ACO)

ACO 365 Courts, Corrections, and Communities

4 credits

This course provides students with an introduction to the history and development of the American correctional system. Some topics to be covered include correctional systems and the rights of prisoners; Supreme Court decisions and appellate review; community corrections, such as halfway houses; types of prisons; and the future of the correctional enterprise.

ACO 371 Social Psychology

4 credits

This course is an introduction to the research and applications of social perception, social influence, attraction, and group behavior. The course also offers a foundation in the practical application of theory in everyday dynamic situations, such as on the public street and in the courtroom.

ACO 391 Social Institutions

4 credits

This course focuses on the major social institutions of contemporary American society and their interrelations. Institutions to be covered will include correctional, political, governmental, educational, and economic.

ACO 392 Criminology to Corrections

4 credits

This course compares the leading theories of criminology, including social, psychological, economic, and legal concerns, with emphasis on sentencing policy. Both the theoretical and practical aspects of major correctional philosophies will be studied.

Specialization: Police Studies (APS)

APS 254 Police and Community Relations 4 credits

This course addresses the role of modern police within the larger community. It will assist students in enhancing their knowledge of the relationship between community welfare and law enforcement. Some topics to be discussed include community dynamics, barriers between the criminal justice system and the community, cultural sensitivity and inter-relating with cultural groups, conflict management, and communication.

APS 255 Police Organization and Administration

4 credits

This course introduces students to concepts of organization, examines the history of police in relation to organizational theory, and explores the roles and responsibilities of the police manager. Students will analyze the ways in which police organizations are designed and how a police manager designs and controls the process of administration, to include budgetary and intergovernmental concerns.

APS 364 Forensics

4 credits

This course is an introduction to forensic techniques in the crime laboratory and the impact of scientific evidence on the justice system. Case analysis, briefs, and simulations will focus on the issues of admissibility, relevance, and materiality of evidence. Traditional as well as emerging forensic sciences will be discussed, to include forensic psychiatry, forensic pathology, ballistics, social science, and questioned documents.

APS 370 Special Topics in Police Studies 4 credits

Special topics courses provide maximum flexibility to the curriculum so that faculty may take advantage of new developments in the field to offer courses on up-to-date and cutting edge topics. This flexibility is perhaps especially appropriate in the area of policing and police studies where rapidly developing local and national social, political, racial, and economic issues may have profound influences on policing philosophy and practice.

ABLE

Humanistic Studies (AHS)

AHS 100 Communication and Critical Thinking

1 credit

This course examines skills related to good study habits, informal logic, and written communication skills. The course focuses on the ability to understand, analyze, and evaluate ideas, arguments, and opinions. Emphasis is also placed on "skills development" in areas such as test-taking preparation, reading for speed and comprehension, note-taking, outlining, composition, and library research techniques.

AHS 101 Expository Writing

4 credits

Required of all students.

This is the first required course in the writing sequence. Through in-class examination of sentence, paragraph, and essay structure, students will sharpen their writing skills. Students will be introduced to all types of college writing, including the formal research paper.

AHS 103 Writing and Rhetoric

4 credits

Required of all students.

Prerequisite: Expository Writing or transfer equivalent.

This course is a sequel to Expository Writing. Through reading, writing, discussion, and research, students will build upon skills learned in the first course. Effective writing is founded upon analyzing, structuring, and developing ideas, and these techniques can be transferred from the classroom to any writing task. Particular emphasis will be placed on the techniques of argumentation and persuasion.

AHS 106 Conceptions of God: East and West

4 credits

This course treats the development of both Western and Eastern religions, to include the rise of Judaism, Christianity, Islam, Hinduism, Buddhism, and Chinese and Japanese religions. Students will examine the common roots of religion in folklore and nature worship, as well as significant differences in perceptions of God and the Devil. Cult and occult worship are included. Students will gain a greater appreciation not only of their own religious roots but also of ones foreign to them.

AHS 110 Great Thinkers in Philosophy 4 credits

This course examines the ideas of major philosophers from antiquity to the present. Several significant thinkers will be covered each semester, among them Plato, Aristotle, St. Thomas Aquinas, Spinoza, Jung, Hegel, Sartre, and Camus.

AHS 201 Introduction to Literature

4 credits

This course examines the recognized masterpieces of Western literature. Assigned readings in fiction, poetry, and drama will include the writings of Hawthorne, Faulkner, Hemingway, Shakespeare, Wordsworth, Sophocles, Chekhov, and Ionesco. Characteristics of principal genres and literary terms will be discussed.

AHS 203 Introduction to American Literature

4 credits

The fiction, drama, and poetry of major authors, to include Bradstreet, Franklin, Hawthorne, James, Frost, Hemingway, Heller, Updike, and Arthur Miller, will be examined to offer students a comprehensive overview of significant trends and developments in American literature from the Puritan settlement to the present.

AHS 204 Introduction to European Literature*4 credits*

An introduction to the major European authors from the post-Gutenberg era to the present. The works of major authors, including Cervantes, Dante, Swift, Dickens, Dostoyevsky, Zola, Kafka, and Mann, will be examined to offer students a comprehensive overview of significant trends and developments in European literature.

AHS 226 Introduction to Drama*4 credits*

This course covers the three great periods of Western theater: the Greek, the Elizabethan, and the modern. Students will read Aeschylus, Sophocles, Shakespeare, and modern dramatists. The plays will be studied from various historical, psychological, and philosophical perspectives.

AHS 232 American Literature and Culture: 17th, 18th, 19th Centuries*4 credits*

A focused analysis of the four great trends—Religion, Reason, Romanticism, and Realism—that shaped the first 300 years of American life, literature, and culture. Authors to be studied will include Puritan writers such as Bradstreet, Sewall, and Mather; colonials such as Franklin, Paine, and Jefferson; Romanticists and Transcendentalists such as Hawthorne, Melville, Emerson, Thoreau, and Whitman; and late-19th-century realists such as Twain, Howells, and Crane.

Natural Science (ANA)**ANA 105 Mathematical Problem Solving Across the Curriculum***4 credits*

This course uses a problem-solving approach to study topics across the curriculum. Some mathematical problems considered are linear graphing, probability, statistics, and fractals. Topics related to other course offerings include apportionment, fair division, symmetry of motion, and symmetry of scale. The emphasis in this course is on modeling problems visually and analytically.

ANA 108 The Rise of Science*4 credits*

A broad-based introduction to the history and content of science, showing how our understanding of nature and humanity has been enriched by the major scientific discoveries of the past.

Social Sciences (ASC)**ASC 108 Society and the Individual***4 credits*

An introduction to sociology, focusing on the effects of modern institutions on social character and individual freedom. Some thinkers to be studied are Marx, Durkheim, Weber, Mills, Goffman, and G.H. Mead.

ASC 112 Foundations of Economics*4 credits*

This course encourages economic literacy and understanding, and introduces students to the ideas of leading economists, the ongoing debate over the ramifications of capitalism, and current theories of economics.

ASC 113 Major Themes in American Civilization*4 credits*

An overview of American history from the first European settlers to the present. Among the issues and events to be examined are colonial expansion, the American Revolution, slavery and race relations, urban industrialization and development, Manifest Destiny and the frontier, the rise of the modern industrial state, foreign relations, and war.

ASC 114 Major Themes in European Civilization*4 credits*

An overview of European history from the pre-Christian era to the present. Among the issues and events to be examined are the rise of the Roman Empire, the emergence of Christianity, the evolution of the church, feudalism, the Crusades and the Middle Ages, the Renaissance, the wars of nationalism, the rise of imperialism, and the impact of the world wars on modern Europe.

ASC 171 Introduction to Psychology*4 credits*

An introduction to the study of behavior, including the investigation of sensation and perception, motivation and learning, physiological psychology, developmental and comparative psychology, and measurement. Some major theorists and practitioners to be studied are William James, Watson, Skinner, and Freud.

ASC 200 Introduction to Women's Studies*4 credits*

An introduction to problems, issues and concerns of women from an interdisciplinary perspective. Among specific issues to be covered are the relation of women to the family, work, sexuality and sexism, the problems of minority women, feminism, women and the church, and the impact of women on the political structure.

ASC 202 Cultural Anthropology*4 credits*

A broad-based introduction to anthropology. The roles of cultural and physical anthropology, along with archaeology, are discussed in relation to cultural behavior. Examples from hunter-gatherer, tribal, and peasant societies are examined using case studies from non-Western communities.

ASC 241 The American Political System*4 credits*

This course examines the processes that influence the scope and substance of American politics. Students will analyze the role of legislatures, courts, executives, parties, political action committees, and lobbyists; the impact of public opinion, the military, and special interests on the evolution of public policy; and the rituals of nomination, campaigning, and election.

GENERAL STUDIES**GNS 100 Freshman Seminar: A World of Ideas I***4 credits*

An introduction to the seminal ideas of modern culture. By reading philosophical, historical, and literary texts, students will develop a more complete understanding of the way that ideas affect their lives.

GNS 101 Critical Reading and Writing *3 credits*

An introduction to college-level writing. Through close textual analysis students will develop college-level writing skills by progressing from simple text-dependent papers to more sophisticated thematic essays. Emphasis is placed on the writing of clear, organized, and well-developed essays that employ a variety of rhetorical techniques.

GNS 102 Freshman Seminar:**A World of Ideas II** *4 credits*

This course is a continuation of A World of Ideas I. Through reading philosophical, historical, and literary texts, students will develop a more complete understanding of the way that ideas affect their lives.

GNS 103 Problem-Solving**Across the Curriculum** *3 credits*

This course uses a problem-solving approach to study topics across the curriculum. Some mathematical problems to be considered are linear graphing, probability, statistics, and fractals. Topics related to other course offerings include apportionment, fair division, symmetry of motion, and symmetry of scale. The emphasis in this course is on modeling problems visually and analytically.

GNS 104 Origins of Western Civilization I *3 credits*

An introduction to the principal intellectual, cultural, and institutional developments and traditions through the 17th century that shaped the modern world. Through readings of and about the classical age, the rise of Christian civilization, the Renaissance, the Reformation, the emergence of the modern state, and contacts with other civilizations, students will gain an understanding of the values and institutions of Western civilization.

GNS 105 Origins of Western Civilization II *3 credits*

A continuation of Origins of Western Civilization I, this course focuses on the principal intellectual, cultural, and institutional developments and traditions from the 17th century to the present that have shaped the modern world.

GNS 106 Society and the Individual II:**Psychology** *3 credits*

A survey designed to introduce students to the scientific discipline of psychology. Students will receive a broad foundation in psychological theory and research and the scientific method. This course develops the skills acquired in Critical Reading and Writing. Students analyze purpose, audience, and strategy, which are essential to effective writing. Students will develop and revise expository papers, as well as a fully documented research paper that will demonstrate understanding and mastery of the appropriate techniques.

GORDON F. DERNER
INSTITUTE OF ADVANCED
PSYCHOLOGICAL STUDIES

Gordon F. Derner Institute of Advanced Psychological Studies (Derner IAPS)

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Assistant Professors

Sarah Berger
Francine Conway
Lenore Heller
Caroline Springer

Psychology is the study of mental processes and behavior. It is a central component of the social sciences, and, because its methodologies are similar to those of the natural sciences, acts as a unique bridge between these two clusters of disciplines. Psychology focuses on the nature of individuals and their roles within groups. The

discipline's domain ranges from the physiology of the brain to cognitive processes to determinants of change in attitudes and values. Psychologists have been influential in developing research and statistical methods employed in all the social and biological sciences. As an applied discipline, psychology fosters the well-being, self-understanding, and productivity of each individual.

Students majoring in psychology are introduced first to the discipline's foundation areas. Opportunities are provided for laboratory and experimental work and fieldwork in various clinical and applied settings. Senior-level special topics courses are given in all major areas. Advanced research and clinical opportunities are readily available. Students are encouraged to become involved in such activities under faculty guidance. Organizations such as the Psychology Club and We Care welcome active participation by majors on campus and in the wider community. Upon graduation, many students enter graduate schools to study for advanced degrees in psychology.

Requirements for the Bachelor of Arts in Psychology (41 credits)

Apart from the General Education requirements there are specific requirements for students who wish to major or minor in psychology. For psychology majors and minors, only psychology courses in which grades of C– or above are obtained will fulfill the psychology requirements, and students must have a cumulative grade average of C or above in psychology courses.

I. Required Courses (20 credits)

PSY 101 General Psychology
PSY 115 Developmental Psychology
PSY 137 Psychological Statistics
PSY 210 Psychoanalysis
PSY 245 Experimental Psychology
PSY 292 Cognitive Psychology

II. Variable Courses

Select *one* course from each of the following clusters (9 credits)

Cluster A

PSY 202 Behavior Analysis
 PSY 250 Neuropsychology
 PSY 261 Environmental Psychology
 PSY 272 Psychology of Perception
 PSY 398 Practicum in Experimental Psychology
 PSY 455 History of Psychology

Cluster B

PSY 116 Developmental Psychology II
 (Adolescent Psychology)
 PSY 262 Social Psychology
 PSY 276 Motivation and Emotion
 PSY 283 Psychopathology
 PSY 284 Theories of Personality
 PSY 365 Psychology of Women

Cluster C

PSY 111 Behavior Modification
 PSY 285 Industrial/Organizational Psychology
 PSY 289 Psychology of Addictions
 PSY 318 Principles of Psychological Testing
 PSY 360 Behavior Disorders in Childhood
 PSY 381 Practicum in Clinical Psychology

III. Concentration

Select *two* additional courses from one of the clusters above (6 credits)

IV. Advanced Topics Seminars

Select *two* of the following courses (6 credits)

PSY 402 Advanced Topics in Behavior Analysis
 PSY 415 Advanced Topics in Developmental Psychology
 PSY 462 Advanced Topics in Social Psychology
 PSY 472 Advanced Topics in Sensation and Perception
 PSY 482 Advanced Topics in Personality and Clinical Psychology
 PSY 493 Advanced Topics in Cognitive Psychology

The Minor

PSY 101 is required plus an additional 15 credits in psychology.

Honors in Psychology

Psychology majors who graduate with a GPA of 3.3 in their psychology courses may be eligible for honors in psychology. A GPA of 3.6 in psychology may qualify the student for high departmental honors.

COURSES OF INSTRUCTION

GORDON F. DERNER INSTITUTE OF ADVANCED PSYCHOLOGICAL STUDIES (DERNER IAPS)

PSY 101 General Psychology *3 credits*

An introduction to the study of behavior. The areas of sensation and perception, motivation and learning, physiological psychology, developmental and comparative psychology, and measurement are investigated using the methods and data of scientific psychology.

PSY 111 Behavior Modification *3 credits* *Prerequisite: PSY 101.*

Some of the important concepts, principles, and techniques of behavior modification are presented. The focus is upon behavioral methods rather than upon surgical or pharmacological methods. Selected issues including techniques of self-control, desensitization, and covert conditioning will be discussed.

PSY 115 Developmental Psychology *3 credits* *Prerequisite: PSY 101.*

This course studies child development from conception to adolescence. Lectures and readings focus on historical and cultural perspectives on childhood, genetics, and environmental health; the evolution-based approach to development; research on infant perception and language development; social development; and abnormal development. Major theorists such as Freud, Kohlberg, and Piaget are discussed with an emphasis on their theories of cognitive and personality development.

PSY 116 Developmental Psychology II (Adolescence) *3 credits* *Prerequisite: PSY 101.*

An extension of the study of the life cycle from middle childhood through late adolescence. This course surveys developmental issues in areas of physiological, cognitive, and socio-emotional behavior of adolescents as well as some societal problems involving adolescents.

PSY 137 Psychological Statistics *4 credits* *Prerequisite: PSY 101.*

Introduction to the basic concepts and techniques of statistics as applied to psychology. Fundamental principles and procedures of descriptive and inferential statistics, including simple analysis of variance, are presented.

PSY 202 Principles of Behavior Analysis *3 credits* *Prerequisite: PSY 101.*

An intermediate course in behavioral analysis. Students are exposed to principles of behavior analysis derived from the laboratory work of Thorndike and Pavlov through the work of contemporary behaviorists. Topics include operant behavior, reflective behavior, schedules of reinforcement stimulus control, associative principles, species comparisons, and aversive control. Results from both human and animal investigations will be included and implications for human applications will be explored.

PSY 203 Behavior Analysis Laboratory *3 credits* *Prerequisites or corequisites: PSY 101, 102, and 202.*

Students are exposed to principles of behavioral analysis exemplified in a series of classroom experiments. Students work in pairs with modern conditioning apparatus, using both animal and human subjects. Experiments include shaping, operant behavior, extinction, schedules of reinforcement, stimulus control, self-control, operant control of human physiological responses, rule-governed behavior, and aversive control.

PSY 210 Psychoanalysis *3 credits* *Prerequisite: PSY 101*

An historical and intellectual survey of psychoanalytic theories and methods, beginning with Freud's seminal contributions and continuing through contemporary psychoanalytic models. The course will introduce students to psychoanalytic methods such as dream analysis, the therapeutic model of psychoanalysis, and will also attempt to place the field within a broader intellectual and cultural context.

PSY 245 Psychological Research *4 credits* *Prerequisite: PSY 137.*

An application of research methods in the exploration of traditional experimental topics. A major objective is the acquisition of skills in the design, execution, analysis, and reporting of experiments with human subjects. This course is the summer school offering of a basic course in human experimental psychology. It is a substitute for PSY 241 plus a lab (PSY 263, 273, 293) and combines aspects of 241 (Experimental Methods) with aspects of the basic lab courses.

PSY 250 Neuropsychology *3 credits* *Prerequisite: PSY 101.*

Neuropsychology examines and describes what is known about how the brain mediates different kinds of behavioral functions and dysfunctions. It surveys the research findings upon which conclusions about brain-behavior relations are drawn, and outlines the nature of response mechanisms and the internal environment.

PSY 261 Environmental Psychology 3 credits*Prerequisite: PSY 101.*

A survey of the interrelationships between human behavior and the built and natural environment. Topics include the ways people perceive and react to their physical surroundings; the effects of noise, air pollution, and other stressors on behavior and emotion; people's use of space, the psychological consequences of crowding; methods of changing human behavior so as to preserve the natural environment; and ways in which the environment might be molded to "fit" behavior such as through the appropriate design of buildings, parks, and cities.

PSY 262 Social Psychology 3 credits*Prerequisite: PSY 101.*

Analysis of the processes of social interaction and their effects upon the behavior and attitudes of individuals and groups. Dynamics of groups, social roles, communication, and mass behavior are the focus of consideration. Related experimental and field studies are discussed.

PSY 272 Psychology of Perception 3 credits*Prerequisite: PSY 101.*

Major emphasis is placed on topics in visual perception including form and color vision, depth perception, illusions and after-effects, and perceptual development. In addition, the application of principles in perception to advertising, design, education, and aesthetics will be covered. This course may be useful also to majors in education, business, physical education, and art.

PSY 276 Motivation and Emotion 3 credits*Prerequisite: PSY 101.*

A survey of experimental findings and theoretical treatment of psychological processes that energize and direct behavior. The characteristics of motives and emotions, their origins and development, and their effect upon animal and human performance.

PSY 283 Psychopathology 3 credits*Prerequisite: PSY 101.*

Lectures and discussions on the psychology of the psychoneuroses, the functional and organic psychoses, psychopathic personalities, and mental deficiency. Methods employed in the diagnosis and therapy of mental disorders examined.

PSY 284 Theories of Personality 3 credits*Prerequisite: PSY 101.*

A coverage in-depth of psychoanalytic theories, both classical Freudian, its revisions, and theories developed in reaction to it, e.g., theories of Freud, Jung, Adler, Horney, Fromm, Sullivan, and the ego analysis.

PSY 285 Industrial and Organization Psychology 3 credits*Prerequisite: PSY 101*

An introduction to the application of psychological principles and methods, in large and small organizations in the workplace and in the business world.

PSY 289 Psychodynamics and Treatment of the Addictive Personality 3 credits*Prerequisite: PSY 101.*

Detailed description and analysis of the psychological factors that are involved in the use and abuse of drugs, especially "recreational" drugs. This includes analysis of the motivational and emotional processes that lead to drug use, the psychological changes brought about by drugs, the nature of physiological and psychological dependence, and the ego dynamics of addicts.

PSY 292 Cognitive Psychology 3 credits*Prerequisite: PSY 101.*

Study of information processing, memory, and information retrieval. Processes related to recognition, selective attention, problem solving, and concept attainment will be considered.

PSY 293 Cognitive Psychology Laboratory 2 credits*Prerequisites or corequisites: PSY 137, 241, and 292.*

Designed to allow the student to explore the experimental bases of cognitive psychology. In addition to the replication of a number of the foundation studies in this area, an original research project is conducted by each student.

PSY 318 Principles of Psychological Testing 3 credits*Prerequisites: PSY 101 and 137.*

Systematic study of the principles underlying the construction and validation of the major varieties of psychological tests. Widely used tests examined and general problems of measurement discussed. Emphasis given to utilization of test results in industry, clinics, and schools.

PSY 360 Behavior Disorders in Childhood 4 credits*Prerequisites: PSY 101 and 115.*

Examination of the cognitive, motivational, and affective characteristics and the personality of different kinds of deviant children. Each student engages in field experience with exceptional children or adolescents: delinquents, hyperactive children, mentally retarded, autistic, and learning disabled children.

PSY 365 Psychology of Women 3 credits*Prerequisite: PSY 101.*

Examines the status and development of gender differences. Readings are primarily from the psychological literature, but biology, anthropology, and sociology also contribute concepts and data.

PSY 381 Practicum in Clinical Psychology 3 credits*Prerequisites: PSY 101 and permission of instructor.*

A supervised fieldwork course in a child or adult treatment center or institution. The student is supervised by a practicing therapist or special teacher. Depending on the setting, activities involve perceptual-motor training, behavior modification, and the active therapies. This course trains the student in beginning stages of counseling (e.g., empathy).

PSY 398 Practicum in Experimental**Psychology**

3 credits

Prerequisites: PSY 101, 102, 137, and any one of the following: PSY 202, 241, 246, 250, 262, 272, 276, 292; and permission of instructor. (Pass/Fail only.)

Students who are interested in conducting psychological research can obtain faculty sponsorship to participate in an ongoing research project. The purpose of the course is to prepare students for the more intensive Directed Individual Research course (PSY 490), in which students design and conduct their own research project. In the practicum, students will engage in laboratory work, such as collecting and analyzing data or working on lab computers. Students may work in any of the laboratories of the Department of Psychology on projects in animal behavior, physiological psychology, human perception, human learning and memory, biofeedback, or social psychology. Before registering, interested students must contact the department Chair and fill out the Agreement for Practicum in Experimental Psychology.

PSY 402 Special Topics in Behavior Analysis

3 credits

Prerequisites: PSY 102 and 202.

An in-depth look at research, theory, and application regarding a particular topic or set of topics in behavior analysis. Topics will vary from one offering to the next, and generally will be those of current interest, for example, aversive control, animal cognition, behavioral health, and biofeedback.

PSY 415 Special Topics in Developmental Psychology

3 credits

Prerequisites: PSY 101 and 115.

Covers topics of current interest in developmental psychology, such as social and personality development (parenting styles, abuse, and neglect), cognitive development (language development, intelligence and testing, and the development of perception in infancy), and developmental disorders (dyslexia, autism, hyperactivity). The emphasis will be on reviews and discussions of the most current research.

PSY 452 Special Topics in Neuropsychology

3 credits

Prerequisites: PSY 101 and 250.

An in-depth coverage of research and application of brain-behavior relationships, what they are and how they may be affected or changed under different conditions, such as under the influence of drugs, brain damage, or compulsive drug use.

PSY 455 History of Psychology

3 credits

Prerequisite: 12 credits of psychology or permission of instructor.

Survey of the history of psychology from the 17th century to recent times. Special attention given to the influence of philosophy and science upon the formation of contemporary psychology. The course concludes with a survey of the major systems.

PSY 462 Special Topics in Social**Psychology**

3 credits

Prerequisites: PSY 101 and 262.

An in-depth look at research, theory, and application regarding a constrained topic or set of topics in social psychology. Topics will vary, but generally will be those drawing contemporary attention. These include social influence processes, human aggression, social cognition, psychology and law, and organizational behavior.

PSY 472 Special Topics in Sensation and Perception

3 credits

Prerequisites: PSY 101 and 272.

An advanced, in-depth treatment of theory, research, and application of a narrow topic or set of topics in sensation and perception. Topics may vary from offering to offering but all will focus on current work. Topics include: Sensory processes, comparative sensory mechanisms, perception of music and art, perceptual factors in drama analysis.

PSY 482 Special Topics in Personality/Clinical Psychology

3 credits

Prerequisites: PSY 101 and 283 or 284.

An in-depth look at research theory and application regarding a constrained topic or set of topics in personality and “clinical” psychology. Topics will vary from offering to offering and will include an overall survey of major concepts and practices of various therapeutic approaches, a specific approach within clinical psychology, and a specific research topic within clinical psychology.

PSY 490, 491 Directed Individual Research

1–3 credits each

Prerequisite: Permission of Chair.

Students who have advanced beyond the Practicum in Experimental Psychology (PSY 398) and who may be considering graduate studies are encouraged to take this course. Under the supervision of a member of the departmental faculty, students individually design and conduct an empirical study in a selected research area or carry out an intensive reading program. Based on the work, the student must submit a final report.

PSY 493 Special Topics in Cognitive Psychology

3 credits

Prerequisites: PSY 101 and 292.

Focus on theory and research in selected topics in cognitive psychology. Selected topics will vary over semesters. Some possible topics include human memory, the structure of knowledge, psychology of reading, attention and consciousness, psycholinguistics, problem solving, cognitive development, and applications of cognitive psychology.

HONORS
COLLEGE

Honors College

100 Earle Hall

Richard Garner, *Dean*

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Diane Della Croce, *Associate Dean*

Nicholas Rizopoulos, *Academic Director for
Special Programs and Research*

Seth Michelson, *Senior Tutor*

Philosophy of the College

The Honors College seeks to prepare highly talented and motivated students to face the twenty-first century by providing them with the intellectual perspectives and critical skills needed to exercise responsible leadership at every level of their lives. To achieve this goal, we have instituted an intense curricular and extracurricular program that asks students to view themselves and their work with integrity, passion, and seriousness. Students should graduate from the Honors College prepared to stand at the forefront of the arts, sciences, government, and the learned professions, determined to act with moral and intellectual rigor and able to grasp the significance of their actions within, and for, a larger whole.

An intentionally provocative curricular and co-curricular design leads students to understand the central problems of the human condition as they confront us now and as they have been experienced in the past. The path to this understanding is through intensive analysis of influential texts and monuments of human greatness, ancient and modern. Initiated by reading, reflection, and discriminating discussion into the long honored search for truth and beauty, in

active engagement with the fundamental issues of justice and liberty that have animated the course of civilization, the students in the College discover not just the limitations but also the possibilities of thinking clearly and turning thought into action in our increasingly complicated world. Schooled in the value of the highest ideals but chastened by an awareness of recalcitrant actualities, they are led to discover in themselves the intellectual power and flexibility, the deepened moral confidence and responsibility and the capacity—indeed, in some cases, the passion—for leadership that they will need to meet the formidable challenges and mysteries of the twenty-first century. The mission of the Honors College is to impart to the student body a breadth of vision and an intensity of aspiration that the students could barely glimpse before entering college.

Such lofty goals are not achieved easily. They require a detailed and concrete plan articulated over four years. This plan is outlined below.

The Honors Curriculum

Honors courses are designed to prepare students to speak and write effectively, to reason accurately, to recognize and express differences in quality between the grand and the mundane, the genuine and the specious, as they must if they are to achieve their potential and become leaders in society.

Although Honors students complete all the requirements for their major field of study within that department or school, the Honors courses form a continuous supplemental thread running through the four years of study. Honors students typically have about half of their courses in the Honors College in the freshman year. In subsequent years most students take one Honors course each semester. Some students, however, elect to take additional courses, and they are welcome to take as many as they wish.

Honors Curricular Sequence and General Education Requirements

The Honors College program begins in the freshman year with a purposefully designed Honors sequence that satisfies Adelphi's General Education requirements. The Honors curriculum introduces students to the body of knowledge and multiple theories and approaches to knowledge, along with their historical roots, that have most affected our century—in the arts, social thought, science, and humanities. First year classes include *The Modern Condition*, *Origins of the Modern Condition* (a historical sequence), and *the Art and Craft of Writing*.

In the sophomore year all Honors students take a full-year sequence titled the *Human Condition in Literature and Art*. These two courses, fulfilling the General Education requirement in Humanities, examine great works of literature, philosophy, history, art, and music from the Old Testament and ancient and classical periods to the present, offering Honors students the opportunity to study a number of lengthy works in their entirety. This course requires students to examine the kinds of narration, the topics, the ideas that have preoccupied humanity across the centuries, in different voices, and as different expressions of humanity's aspirations and achievement.

During the sophomore or junior year all Adelphi students also take courses in the sciences to fulfill the requirements of General Education. The aim in these courses is to give students a thorough grounding in the philosophical underpinnings of the sciences as well as in their substance. The Honors College also moves students who are majoring in the sciences into active laboratory work as soon and as much as possible, assuring that students make significant and original intellectual contributions to their academic work quickly and tangibly.

The Junior Seminars

The junior seminars in the *Conditions of Social and Political Life* fulfill the General

Education requirement in the Social Sciences. These courses attempt to unveil for the students the perspective of the deepest political and moral responsibility and to enlarge their grasp of human achievement. The courses are intended to inspire students to develop their own visions of society and social change, to begin a life-long dedication to active engagement with the fundamental issues of human society and with energetic approaches to the complexity of these issues. The courses prepare students to think ever more reasonably and powerfully about social and political institutions and about issues of ethics and leadership that arise in this context.

The Senior Seminar

In addition to their distinctive courses fulfilling the requirements in General Education, Honors students are required to take an additional seminar in their senior year. This demanding seminar, along with the junior seminars in the *Conditions of Social and Political Life*, is the capstone course of the Honors Curriculum. The seminar topics are chosen from a greater variety of fields than those in the junior seminar. Although the seminars are often focused on a topic studied in a single discipline, the atmosphere and point of view of the seminar is interdisciplinary, as experienced, fourth-year students from a wide variety of major fields bring their individual interests and knowledge to bear on the discussion.

Independent Study

Honors College students may choose in one or more semesters to participate in an Honors College tutorial with the Academic Director, Nicholas Rizopoulos. Modeled on systems such as those at Oxford and Cambridge Universities or Yale University's famed Scholar of the House program, the tutorial provides highly motivated students a chance to explore selected topics in great depth and to develop their skills in writing and argumentation through the rigorous supervision of the director.

The Senior Thesis

Often the thesis grows out of a project the student has undertaken in the sophomore or junior year in research or independent work on or off campus. Sometimes, students begin something entirely new. In any case, all Honors students must complete the senior thesis, a year-long project designed to bring about and to demonstrate intellectual mastery and to encourage the integrity and coherent responsibility that only a complex project can elicit. Students must agree with their adviser on a topic by mid-October of their senior year.

Throughout the year students are supervised not only by their departmental adviser but also by the Honors College Academic Director. The Director, Nicholas Rizopoulos, served for years as the Vice President and Director of Studies at the Council on Foreign Relations in New York. His years of experience in guiding the work of young scholars enables him to provide invaluable assistance with research and writing.

In the spring, when the student and adviser are satisfied that the thesis is ready for presentation, the thesis is given to readers before whom the thesis is defended. The defense is meant to be both an exploration of the student's achievement and a further intellectual challenge.

Honors students find that graduate and professional programs to which they apply respond very positively to the senior thesis. Along with the diverse and interdisciplinary Honors curriculum, admissions committees often express particular praise for the thesis project.

The Co-curricular Cultural Program

The second major component through which the philosophy of an honors education is realized is the extracurricular and co-curricular program.

One of the most important tenets of the Honors College is that the Honors education is much more than a set of courses. A rich program of co-curricular and extracurricular activities provides an essential complement to the Honors curriculum. In order to transform students into adults with the

highest aspirations and the broadest understanding, the Honors program brings the students into direct contact with greatness. Because of Adelphi's proximity to Manhattan, the Honors College can offer an unparalleled series of events and activities in which the students confront the best achievements and the leading figures in cultural and intellectual life. For example, artists and authors are brought to campus to meet with the students in intimate gatherings for stimulating and provocative discussion that will illuminate the art that has been created from the standpoint of the artist, director, or impresario who has created or staged it. Several times a semester groups of students attend events off campus in Manhattan and the greater New York area. These visits to the theater, concerts, and museums are made an active rather than passive experience in a variety of ways, especially through discussions before or after a cultural event in the home of an Honors professor. Moreover, the cultural activities themselves are arranged to allow the students the closest and most intense experience. (For example, students have attended special exhibitions at the Metropolitan Museum of Art for private showings when the Museum is closed. They have been invited to the Board Room of the New York Philharmonic for a conversation with the Conductor before attending a Philharmonic concert.)

The Earle Hall Facility

The third major component of the Honors College program is the building itself in which the College is housed. Student residential rooms, classrooms, administrative offices, and student facilities (such as a round-the-clock computer room) are all located within one building. This comprehensive facility makes possible in a unique way the coherence and intensity required to achieve the rigorous aims of an honors education. Although the students are not presented with an education that is meant to exist in isolation from society and the greater world, they nevertheless need to learn that the intellectual world is also real. The concentration of students and

faculty in the Honors College creates an environment in which the life of the mind is the usual and expected order of business rather than the exception. Conversations and ideas flow from classroom to classroom and from classroom to residence rather than simply evaporating at the end of a period. The administrative offices draw students in for frequent conversation making contact with faculty a habit rather than an occasional formality. Public spaces provided with scholarly publications encourage the students to read and discuss serious issues between classes.

Degree Requirements

Each student in the Honors College majors, as all Adelphi undergraduates do, in a subject area of a department or School of the University. The General Education requirements are satisfied through the requirements of the Honors curriculum. The following courses are required for the Honors College:

- Modern Condition I and II (8 credits; satisfies the General Education Freshman Seminar and second competency requirement)
- Western Civilization or Art and the World I and II (6 credits)
- The Art and Craft of Writing (3 credits)
- The Human Condition I and II (6 credits; satisfies the General Education requirement in the humanities)
- Conditions of Social and Political Life (Two semesters, 6 credits; satisfies the General Education requirement in social science)
- Laboratory Science (Two semesters, 8 credits; satisfies the General Education requirement in science)
- Reading competence in a foreign language at the equivalent of two years of college level study (0–12 credits)
- One semester in the history of art or music (satisfies the General Education requirement in the arts)
- Honors Senior Seminar (3 credits)
- The Senior Thesis (0–3 credits)
- In addition to completing the above courses, in order to graduate from the Honors College students must receive a grade of B– or better on the Senior Thesis and achieve a cumulative GPA of 3.3.

COURSES OF INSTRUCTION

HONORS COLLEGE

ART 196, 197: Art and the World: Honors 3 credits

The course provides a global view of major epochs of human experience and major events of historical and cultural significance: in the first semester, from the Stone Age through the Ancient Near East, Classical Antiquity, Africa, Asia, and other cultural areas, to the Renaissance period in Europe; in the second semester from the Baroque, Neoclassical, and Romantic periods to Eastern traditions and in Africa to the present. Works of art examined in context offer insight into ways that people in different times and places have explored their relationships with other human beings and with nature, and have defined meaning and value in existence. Links will be made between the events and character of the periods discussed and our time, establishing a historical foundation for understanding the rise of modernism and the modern world.

ENG 107, The Art and Craft of Writing:

Honors

3 credits

The Art and Craft of Writing is a one-semester required writing course offered in conjunction with the courses in the Modern Condition and Western Civilization or Art and the World, using the materials of these courses as the basis for extensive writing. Thus the students find an additional forum in which to reflect upon the ideas they are struggling with in the Modern Condition and historical courses.

HIS 101, 102: Western Civilization: Honors 3 credits

The Western Civilization is a sequence of courses designed to be taken with the Modern Condition. Beginning with the origins of Near Eastern civilization and proceeding chronologically, the readings for this course draw on classics of the Western tradition to provide background, parallels, and contrasts to the readings in the Modern Condition. Among the authors studied are Plato, Thucydides, Tacitus, Augustine, Dante, Machiavelli, Donne, Descartes, Rousseau, Galileo, Shakespeare, Keats, Madison, Mill, Tocqueville, Douglas, and Levi-Strauss.

HON 101, 102: The Modern Condition I, II 4 credits

The Modern Condition I and II is a sequence of courses, normally taken in the freshman year, that examines the major social, cultural, and scientific transformations identified with modernity, with primary focus on the twentieth century. The body of works studied include readings from significant intellectual, literary, and political figures of the era, as well as important works of art, film, and music. The objectives are to introduce students to the challenges of our time, and to cultivate the capacity for critical analysis using a variety of perspectives.

HON 210 The Human Condition I

3 credits

The Honors humanities sequence is an intensive study of the literary and philosophical texts that have most powerfully influenced the intellectual and moral life of Western civilization. In addition there is some attention to great, representative monuments of art and music. The first semester studies great writers and texts of the ancient world: Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Aristotle, Virgil, St. Augustine, and selections from the Bible.

HON 211 The Human Condition II

3 credits

The second semester of the Honors humanities sequence examines the works of Chaucer, Shakespeare, Moliere, Swift, Mozart, Stendhal, Dostoyevsky, and Yeats and their contributions to the myths, values, and ideas that inform Western culture. Honors 210 is not a prerequisite.

HON 320 Conditions of Social and Political Life

3 credits

The Junior Seminar, Conditions of Social and Political Life, is the unique Honors equivalent of the general education social science requirement. This seminar attempts, at once, to unveil for students the perspective of the deepest political and moral responsibility and to deepen their grasp of human achievement by focusing on a great text and figure, inspiring the students to develop their own visions for society and social change.

The Junior Honors Seminar:

Fall 2003

Section I: Freud Then and Now

Section II: The Origins of WWI

Section III: New Histories for the Maya

Spring 2004:

Section I: The Psychology of Power

Section II: Politics and Literature

Section III: Evolution and Behavior

HON 486 Honors Senior Seminar

3 credits

Seminar topics, chosen from a variety of fields, explore material from the perspective of responsible leadership that characterizes the College. Although the seminars are often focused on a topic studied in a single discipline, the atmosphere and points of view are inevitably interdisciplinary as the senior Honors students bring their individual interests and knowledge to bear on discussion. The senior Honors Seminars look to the future as students examine the material with a view to the plans they are making for their lives after graduation.

The Senior Honors Seminar:

Fall 2003

Section I: Literary Visions and Re-Visions

Section II: The Fate of the Earth

Section III: The Erotic Epic

Spring 2004:

Section I: Archaeology and Art of Greece and Cyprus

Section II: The Calculus Revolution

Section III: The Civic Image in Early Modern Europe

HON 490 Honors Thesis*0–3 credits*

All Honors students must complete the Senior Thesis, a year-long project designed to bring about and to demonstrate intellectual mastery and to encourage the integrity and coherent responsibility that only a complex project can elicit. Students must agree with their adviser on a topic by mid-October of their senior year. In the spring when the student and adviser are satisfied that the thesis is ready for presentation, the thesis is given to readers before whom it is defended. The defense is meant to be both an exploration of the student's achievement and a further intellectual challenge.

V

SCHOOL OF
BUSINESS

School of Business

Hagedorn Hall 121

Anthony F. Libertella, *Dean*
Email: Libertel@adelphi.edu

Rakesh Gupta, *Associate Dean*
Brian Rothschild, *Assistant Dean*
Emily Wilson, *Assistant Dean, ABLE*

Patricia Joyce, *Director of*
Undergraduate Programs

Professors

Allan S. Ashley
Jeffrey Goldstein
Zhimin Huang
Pearl Kamer
Susan Li
Anthony F. Libertella
Samuel Natale
Alvin J. Rosenstein
Darko Skorin-Kapov

Assistant Professors

Thomas Diamante
Rakesh Gupta
Harvey J. Heinowitz
MaryAnne Hyland
Alan Kreitzman
Jayen Patel
R. Bruce Swensen
Mariano Torras
Simon Yang

Associate Professors

Jack Angel
Grace Conway
David Gleicher
David Machlis
Dennis Payette
Sebastian Sora
Daniel A. Verreault
Winston Waters

Professional Philosophy

Few areas of American life are as dynamic and challenging as the world of business and entrepreneurship. The rapid pace of technological change and the growth of international markets and competition are creating rich opportunities for increased productivity and abundance for an ever larger number of people. To seize these opportunities, specific endeavors

must be identified, developed, managed, and pursued. The flux and uncertainty of our new global economy, however, mean that past practice is no longer a sure guide to future possibilities. The School of Business at Adelphi has fully embraced this challenge of modern economic life by recognizing that growth and abundance depend on the knowledge, understanding, and originality of tomorrow's business leaders as well as on their energy, ambition, and sense of responsibility. To create the new entrepreneur who can flourish amidst unprecedented change the School has redefined its educational philosophy, reorganized its curriculum, and reinvigorated its pedagogy. The principles underlying this reform include the belief that the best business leaders are those who enjoy intellectual struggle, have a deep appreciation of today's underlying tensions and possibilities, and see the link between the skills they learn and the character they display. For these reasons, each of Adelphi's undergraduate business majors completes our General Education program—the University's signature courses in general liberal education—and discovers the continuity between the fundamental questions engaged in the program and the practice of business through an undergraduate management curriculum that unites theory and practice, principle and method, pragmatism and aspiration.

Educational Strategy

The bachelor's degree programs, which integrate cutting-edge management theory and practice with state-of-the-art instruction, are structured around the concept of managing an organization's assets—people, money, information, and technology—because no matter where one "sits" in an organization, one has only these four assets with which to work.

Through cross-functional courses, the functional areas of business—accounting and finance, management and marketing, policy and strategy—are explored in a manner that reflects the multifaceted dimensions of management.

These courses integrate the functional areas of business into critical areas of study (organizational behavior, human resource management, marketing, economics, accounting, finance, decision sciences, and information technology) to create a learning experience that builds the skills and competencies necessary to become an executive in the 21st century.

Every organization demands leaders who have strong technical competencies in one or more of the functional areas of business, as well as significant interdisciplinary, cross-functional expertise so that the individual manager understands how his/her function and expertise has an impact on the entire organization. They provide a solid foundation in the fundamentals of business and serve as the “building-blocks” for the more advanced courses.

The programs also contain a unique series of integrative-experience courses at increasing levels of complexity and importance from the freshman to senior years. These courses utilize an “action learning” methodology that provide students, as individuals or in teams, with an opportunity to apply their managerial leadership and technical skills to actual projects in real organizations. The projects or decision-making situations encountered in these courses represent the challenges a manager may confront from the entry level to senior levels of responsibility. This “action learning” approach to business education bridges the gap between theory and practice and creates a “seamless” learning environment enhanced by bringing the expertise of corporate executives into the classroom as guest speakers, lecturers, internship or project mentors. Likewise, faculty and students are brought into the organizational environment when they work on projects together that provide a “value added” result for corporations, governmental agencies, and non-profit corporations located on Long Island, in New York City, and the Tri-State region.

Each of these learning opportunities, coupled with field trips and faculty mentored research, not only enhance a student’s overall educational

experience, but also creates a “learn-how-to-learn” capability for each individual which will accelerate their career advancement. An individual who has a “learn-how-to-learn” capability will identify and pursue the additional knowledge, expertise, or education necessary to master each career opportunity. They build a “skill and competency” portfolio, i.e., credentials to create upward mobility in the organizations of the 21st century.

This innovative approach to business education emphasizes the themes of: “globalization,” “managing change,” “team building,” “self-directed work/team performance,” “oral and written communications,” “ethics and integrity,” “career planning and self development,” which resonate across every course and every course module, and build upon the strong liberal arts tradition of Adelphi University. The increased emphasis on the liberal arts, focused on the study of history, political science, and international culture, ensures that students have a firm grasp of the underlying historical principles behind modern commerce and global political economies.

During their junior and senior years, management majors can also opt to specialize in one of the functional areas of management (e.g., marketing, finance, human resource management, management information systems) or can elect to pursue a more generalized course of study by taking advanced elective courses in several functional areas. Accounting majors follow a prescribed sequence of advanced courses to ensure that they will possess all the requisite course work needed for the New York State C.P.A. examination.

The faculty of the School of Business are well equipped to prepare students for professional careers. Acclaimed for both their teaching and research, many faculty members have held top-level positions in business and continue to serve as consultants to major corporations and non-profit agencies. Executive-in-Residence programs, guest presentations by corporate

executives, field trips, and internship opportunities further enrich the learning environment.

Through its programs, the Adelphi School of Business prepares undergraduates for either graduate study or direct entry into the job market. More important, the School nourishes a deep-rooted and practical intelligence that will serve students not only in business but throughout their life.

Programs of Study

The School of Business offers the following degrees:

- Bachelor of Business Administration (B.B.A.) in accounting;
- Bachelor of Business Administration (B.B.A.) in management with additional specializations available in marketing, finance, human resource management, and management information systems;
- Bachelor of Science (B.S.) in finance;
- Bachelor of Arts (B.A.) in economics; and
- Bachelor of Science (B.S.) in Management and Communications (ABLE).

A certificate in health care management (ABLE) is also offered.

The B.B.A. Program in Accounting

Though the recording of business and financial transactions is as old as civilization, the modern profession of accounting is one of constant change—in theories, regulations, and practices. The Department of Accounting and Law provides accounting majors with the intellectual means to succeed in the profession as it exists and however it may change. Students acquire both the technical accounting knowledge and the analytical and managerial capacities needed to apply that knowledge to complex financial reporting. They are equipped to enter and perform with distinction in the public and private sectors.

The profession is divided into two broad areas: financial and managerial accounting.

Financial accounting is the preparation and use of accounting information for external reporting. Managerial accounting is the preparation and use of accounting information to measure managerial performance and develop plans and controls within an organization.

Degree Requirements

The accounting major earns the B.B.A. by successfully completing 125 credits of course work, consisting of 60 credits of General Education requirements and liberal arts and 65 credits of business and accounting. The accounting curriculum is registered with and approved by the New York State Education Department. Successful completion of the B.B.A. in accounting qualifies the student to take all four parts of the New York State C.P.A. examination.

A total of 15 accounting credits only may be transferred from a two-year college. These 15 credits must be from basic, intermediate, and cost accounting courses. No credit for other accounting courses can be accepted toward fulfilling degree requirements.

Freshman Year

First Semester (16 credits)

General Education Requirements

ECA 111	The Price System
BUS 162	Introduction to Business
ACC 101	Principles of Accounting I

Second Semester (16 credits)

General Education Requirements

ECA 112	The National Economy
MGT 262	Principles of Management
ACC 102	Principles of Accounting II
Liberal Arts Elective	

Sophomore Year

First Semester (16 credits)

General Education Requirements

ACC 201	Intermediate Accounting I
BUS 260	Business Law I
MTH 110	Pre-Calculus

OPR 271 Information Technology and Applications

Second Semester (16 credits)

General Education Requirements

ACC 202 Intermediate Accounting II

BUS 251 Business Law II

BUS 267 Creative Business Communications

OPR 272 Analytical and Statistical Modeling

Junior Year

First Semester (15 credits)

General Education Requirements

ECA 251 Money and Banking

ACC 203 Cost Accounting

FIN 330 Managerial Finance

MGT 366 Organizational Behavior

Second Semester (15 credits)

General Education Requirements

Drama, Beginning Acting or Speech (Student may choose: PFA 108, PFA 109, SPE 104, 110, 111 or 112)

ACC 303 Principles of Auditing

HRM 367 Management of Human Resources

OR

OPR 373 Management of Production/Operations

OR

MKT 280 Marketing

OR

BUS 461 Entrepreneurship

Senior Year

First Semester (15 credits)

Liberal Arts Electives

ACC 401 Federal Taxation I

ACC 403 Advanced Accounting

BUS 341 International Business

Second Semester (15 credits)

Liberal Arts Electives

ACC 402 Federal Taxation II

ACC 405 Auditing/Accounting Information Systems

OR

ACC 406 Fund and Government Accounting

BUS 468 Business Policy and Strategy

NOTE: Students planning a career in accounting should be aware that the requirements to sit for the C.P.A. examination in New York State, as well as many other states, have changed. This change will require candidates who wish to sit for the C.P.A. examination to complete a 150-credit hour program. Students should consult with the Business Undergraduate Programs Office, Hagedorn Hall 121, for the latest information.

The B.B.A. Program in Management

Managerial practice is as diverse as the business world itself. Some managers choose to specialize in one of the functional areas of business, such as marketing, finance, human resources, and manufacturing. Some managers are staff specialists who prepare information for colleagues to act upon; others are line managers who implement decisions and supervise the actions that result from those decisions. Senior managers, however, most often work from a more generalized point of view. Management majors in the School of Business have the opportunity to consider all of these managerial modes before embarking on their careers.

Degree Requirements

The management major earns the B.B.A. by successfully completing 121 credits of course work, divided into three areas: 73 credits of General Education requirements, liberal arts, and free electives; 39 credits in required business core courses; and 9 credits in advanced business elective or specialization courses.

Freshman Year*First Semester (13 credits)*

General Education Requirements

BUS 162 Introduction to Business

ECA 111 The Price System

ACC 101 Principles of Accounting I

Second Semester (16 credits)

General Education Requirements

MGT 262 Principles of Management

ECA 112 The National Economy

ACC 102 Principles of Accounting II

Sophomore Year*First Semester (16 credits)*

General Education Requirements

MTH 110 Pre-Calculus

BUS 267 Creative Business

Communications

OPR 271 Information Technology and
Application*Second Semester (16 credits)*

General Education Requirements

BUS 252 Legal and Ethical
Environment of Business

MKT 280 Marketing

OPR 272 Analytical and Statistical
Modeling**Junior Year***First Semester (15 credits)*

General Education Requirements

Drama, Beginning Acting, or Speech

(Students may choose: PFA 108, PFA 109,
SPE 104, 110, 111 or 112)

MGT 366 Organizational Behavior

FIN 330 Managerial Finance

Liberal Arts Elective

Second Semester (15 credits)

General Education Requirements

HRM 367 Management of Human
ResourcesOPR 373 Management of
Production/Operations

Liberal Arts Elective

Specialization/Business Elective

Senior Year*First Semester (15 credits)*

BUS 341 International Business

BUS 461 Entrepreneurship

Liberal Arts Elective

Free Elective*

Specialization/Business Elective

Second Semester (15 credits)

BUS 468 Business Policy and Strategy

Liberal Arts Elective

Free Elective*

Specialization/Business Elective

Specializations

A specialization consists of a minimum of 9 credits of advanced course work in a specific discipline (same course number prefix). Currently, specializations are available in marketing, finance, management information systems, and human resource management. Others are in the process of being developed. *Students should consult with the Business Undergraduate Programs Office, Hagedorn Hall 121, for more information.*

Marketing Specialization

Students may choose from among such courses as Retail Management; Sales Management; Advertising Management; Marketing Research; Marketing Strategy; Creative Problem Solving; and Sales Promotion and Direct Marketing.

Finance Specialization

Students may choose from among such courses as Financial Statement Analysis; Financial Markets; Managerial Economics; Economics of Financial Management; Investment Analysis; International Finance; and Money and Banking.

* Free electives may be taken in any division of the University.

Human Resource Management

Specialization

Students may choose from among such courses as Human Resources: Policies and Legal Requirements; Compensation Management; Executive Assessment and Testing; Staffing; Recruitment, Selecting, and Training; and Labor Relations.

Management Information Systems

Specialization

Students may choose courses in System Analysis and Design, Data Communication, Database Management and Management Information Systems.

Specializations subject to change. Consult with the Business Undergraduate Programs Office, Hagedorn Hall 121, for more information, exact courses, course numbers, and descriptions.

The B.S. Program in Finance

This degree is designed to prepare students who seek specialized roles in the financial services industry. Reflecting the new global economic and financial environment, the curriculum provides an understanding of perspectives that form the context for business and finance through coverage of ethical and global issues, the influence of political, social, legal, regulatory, and technological issues. The specialization component of the degree which allows the student to pursue a major either in microfinance or macrofinance is broadly based, diversified, and globalized.

Degree Requirements

The finance major earns the B.S. by successfully completing 121 credits of course work divided into three areas—67 credits of General Education requirements and liberal arts, 36 credits in required business core courses, and 18 credits in advanced specialization courses in finance.

Freshman Year

First Semester (13 credits)

General Education Requirements

ACC 101 Principles of Accounting I

ECA 111 The Price System

Second Semester (16 credits)

General Education Requirements

Liberal Arts Elective

MGT 262 Principles of Management

ACC 102 Principles of Accounting II

ECA 112 The National Economy

Sophomore Year

First Semester (16 credits)

General Education Requirements

ACC 201 Intermediate Accounting I

MTH 110 Pre-Calculus

BUS 267 Creative Business Communications

OPR 271 Information Technology and Applications

Second Semester (16 credits)

General Education Requirements

ACC 202 Intermediate Accounting II

MKT 280 Marketing

BUS 252 Legal and Ethical Environment of Business

OPR 272 Analytical and Statistical Modeling

Junior Year

First Semester (15 credits)

ECA 251 Money and Banking

FIN 330 Managerial Finance

BUS 341 International Business

MGT 366 Organizational Behavior

Second Semester (15 credits)

General Education Requirements

FIN 311 Financial Markets

OPR 373 Management of Production Operations

AND one of the following Drama, Beginning

Acting, or Speech courses: PFA

108, PFA 109, SPE 104, 110, 111

or 112

Senior Year*First Semester (15 credits)*

Liberal Arts Elective

FIN 438 Investment Analysis

FIN 443 International Finance

FIN 434 Economics of Financial
Management*OR*

ECA 420 Managerial Economics

OR

ACC 306 Financial Statement Analysis

POL 380 International Law and Organization

OR

POL 385 International Political Economy

Second Semester (15 credits)

Liberal Arts Elective

FIN 412 Seminar in Finance

BUS 468 Business Policy and Strategy

FIN 434 Economics of Financial
Management*OR*

ECA 420 Managerial Economics

OR

ACC 306 Financial Statement Analysis

The B.A. Program in Economics

The economics curriculum is organized around a core of theory, encountered first at an introductory level, and then at an intermediate level. Topical courses usually require the introductory theory courses as prerequisites except for ECA 213, Consumer Economics. Department faculty do research in the areas of economic development, environmental economics, history of economic thought, human capital theory, labor economics, international economics, and systems of political economy. Faculty also contribute courses to the Honors College, the Environmental Studies program, and the Social Studies major for education students in the STEP program.

The economics program combines theoretical analysis with the empirical study of institutions and the consideration of current economic policy issues on individual, national, and global scales. Economics courses draw from other disciplines such as finance, history, mathematics, political science, and philosophy. Many economics majors go on to graduate work in economics, business, law, and education. Others directly enter into employment in financial services, local government, consulting, and related professions.

Degree Requirements

The economics major earns the B.A. by successfully completing 120 credits of course work divided into three areas: 84 credits of General Education requirements and free electives; 12 credits of required economic courses; and 24 credits of economic electives.

Required courses (36 credits)

ECA 102 Consumer Economics

ECA 111 The Price System

ECA 112 The National Economy

ECA 275 Microeconomic Analysis

ECA 276 Macroeconomic Analysis

Choose eight courses from the following:

ECA 214	History of Economic Thought
ECA 215	Environmental Economics
ECA 220	Survey of Modern European History
ECA 225	International Trade
ECA 226	Economic Development
ECA 231	Systems of Political Economy
ECA 241	Industrial Organization
ECA 251	Money and Banking
ECA 252	Public Finance
ECA 262	Labor and Public Policy

Cross-Disciplinary Electives*

MTH 113	Survey of Statistics
<i>OR</i>	
MTH 114	Statistics for Natural Sciences
MTH 141	Calculus and Analytical Geometry I
<i>OR</i>	
MTH 142	Calculus and Analytical Geometry II
POL 380	International Law and Organization
POL 385	International Political Economy

General Education Requirements and Free Electives (84 credits)

The Business Minor

The School of Business offers a business minor in the area of management to liberal arts and science majors. The minor consists of 18 credits as follows:

MGT 262	Principles of Management
ACC 101	Principles of Accounting I
FIN 330	Managerial Finance
MGT 366	Organizational Behavior
MKT 280	Marketing
BUS 341	International Business

The Economics Minor

The School of Business offers an economics minor to all undergraduate students. The minor consists of 18 credits including the required ECA 111 and 112. Students may structure a

minor of their own choosing with the consent of an adviser.

Business Clusters

The School of Business also offers business clusters. These clusters afford liberal arts and science majors the opportunity to explore the various business disciplines on an introductory level. Prerequisites, if any, need not be taken by non-business majors. The clusters consist of 12 credits as follows:

Introduction to Business Law

BUS 162	Introduction to Business
MGT 262	Principles of Management
BUS 250	Business Law I
BUS 251	Business Law II

Introduction to Human Resource Management

BUS 162	Introduction to Business
MGT 262	Principles of Management
MGT 366	Organizational Behavior
HRM 367	Management of Human Resources

Introduction to Accounting

BUS 162	Introduction to Business
ACC 101	Principles of Accounting I
ACC 102	Principles of Accounting II
ACC 306	Financial Statement Analysis

Introduction to Finance

BUS 162	Introduction to Business
ACC 101	Principles of Accounting I
FIN 330	Managerial Finance
FIN 311	Financial Markets

Introduction to Marketing

BUS 162	Introduction to Business
MGT 262	Principles of Management
MKT 280	Marketing
MKT 480	Advertising Management

*Maximum of 6 credits may be chosen.

Introduction to Information Technology*(13 credits)*

BUS 162	Introduction to Business
MGT 262	Principles of Management
OPR 271	Information Technology and Applications
OPR 471	System Analysis and Design

Program of Study

All students in the School of Business are required to have an official program of study on file in the Business Undergraduate Programs Office, Room 121, in Hagedorn Hall. Consult that office for an appointment.

The official program of study serves as an agreement between the student and the School. No commitments can be made regarding individual requirements until the student has been admitted as a matriculated degree candidate. If degree requirements change subsequent to enrollment, the student will be given the option of meeting the requirements listed on the program of study, or having the program revised. The student should use the program of study as a guide when registering for courses. The program may be amended at a later time, but the student is cautioned not to deviate from the Program of Study unless it has been officially changed by the Business Undergraduate Programs Office.

Advisement

Comprehensive and thorough student advising is a priority in the School of Business. Each student is assigned a faculty adviser based upon area of major and/or interest. If for some reason a particular student-adviser relationship proves to be incompatible, either party may request a change. All changes, however, should be made through the Business Undergraduate Programs Office, Hagedorn Hall 121. Faculty schedule office hours at times convenient for their advisees. Many also provide extra hours of service before each registration period. In addition, there is an adviser on duty until 8:00 p.m.,

Monday through Thursday, during the fall and spring semesters for help with general questions.

Change of Major

A change of major to the School of Business will not be approved until the student's record has been evaluated and a determination has been made that the student will meet the same academic standards and criteria established for all School of Business majors.

Independent Study

Students who have demonstrated the ability to undertake independent study may, under the sponsorship of a member of the faculty with whom they consult, engage in intensive research on a topic of merit and originality. Students will generally be limited to a maximum of 3 credits per course in independent study. In cases of demonstrated exceptional ability a maximum of 6 credits will be permitted a student in a single independent study course in a single semester.

The maximum number of independent study credits that may be taken by an undergraduate student is 12, of which no more than 6 credits may be in business courses. No required course may be taken as independent study.

Internship Program

Business and economics majors who have earned at least 60 credits may apply for an internship. An internship, which may be paid or non-paid, involves a 12 to 15 week part-time placement in a corporation. Internships are available through the the Center for Career Development located in Post Hall.

Senior Check

All students should request a senior check three semesters before their expected date of graduation to ensure that all degree requirements will be satisfied. The form for this procedure is available in the Business Undergraduate Programs Office, Hagedorn Hall 121.

Honors in Business

School Honors

The School of Business accords school honors to graduating seniors who have completed 33 credits in business courses taken at Adelphi University with a GPA of 3.5 or above in those courses.

National Honor Society—Delta Mu Delta

The National Honor Society in Business, Delta Mu Delta is a member of the Association of College Honor Societies. It was established in 1913 to recognize and reward superior scholastic achievement by students of business who have completed at least one-half of the work required for the degree with a minimum cumulative GPA of 3.5.

Candidates for Delta Mu Delta are eligible to compete for national awards totaling \$10,000 in scholarships for business students. All eligible School of Business majors are encouraged to apply.

Accounting Honor Society—Eta Chi Alpha

Eta Chi Alpha is the accounting honor society at Adelphi University. Its purpose is twofold. First, the Society stresses the importance of scholastic achievement in accounting as well as in liberal arts courses. Second, it rewards those students majoring in accounting who have attained excellence in their chosen subject.

A student must be a junior or senior who has completed 36 credits at Adelphi, 18 of which are in accounting, with a minimum of a 3.5 GPA in those courses. In addition, the student must maintain a minimum overall GPA of 3.5.

Dismissal/Withdrawal

Students who fail to maintain a 2.3 GPA for two consecutive semesters are subject to dismissal from the School of Business. A student who withdraws from the School for one semester or more must be readmitted through the Business Undergraduate Programs office. A student who is withdrawn for one year or more must meet any new degree requirements in effect at the time of readmission.

Waiver of Academic Regulations

A student in the School of Business may request the waiver of an academic regulation by petitioning the Academic Standards Committee of the School. Petitions should be addressed to the committee and filed with the Business Undergraduate Programs office. Students are requested to discuss the matter with a member of the staff prior to submitting their petitions.

The ABLE Program

Emily B. Wilson, *Assistant Dean*

Email: wilson@adelphi.edu

Instructional Staff

Stanley Bodner

Gregory Canell

Paul Esposito

Graham Everett

Frank Friedman

Robert Goldfarb

Joseph Gray

Joseph Hoffman

Ellin Horowitz

Salvatore Iacone

Theodore Lewis

Ronald Schoenberg

Karsten Struhl

Rooted in the tradition of liberal learning, the ABLE program gives adults the opportunity to earn an advanced degree in a number of disciplines in the School of Business and the College of Arts and Sciences. The ABLE program, which is housed in the School of Business, emphasizes pedagogical excellence, innovative support services, and flexible scheduling geared to the scheduling and curricular needs of working adults. A broad range of academic advisement services are provided on a one-to-one basis and include program planning, initial interviews for prior learning, financial aid information, and the development of educational goals.

ABLE students in the School of Business may earn a Bachelor of Science degree in management and communications. A certificate program in health care management is also offered in the School of Business. ABLE is designed for adult students who want to enjoy the benefits of

a liberal education. An education that can help them advance in present careers, prepare for new ones, or qualify for higher-level study aims to help students develop their capacity for self-knowledge, critical thought, and understanding of the modern world.

Plan of Study

The ABLE program provides a broad range of academic advisement services on a one-to-one basis. These services include program planning, initial interviews for prior learning, financial aid information, and development of educational goals. Advisers are available for individual consultation at convenient times, including evenings, in Garden City, Hauppauge, and Manhattan. All students must meet with an academic adviser prior to their initial registration to prepare a plan of study, a personalized summary of completed and outstanding academic requirements that allows students to select their sequence of courses for up to two years.

It is the student's responsibility to follow the plan and to update it regularly with his or her adviser. Failure to do so may delay or jeopardize the student's graduation from the University.

The B.S. Program in Management and Communications (ABLE) Degree Requirements

Candidates for this degree must have completed at least 120 credits, 60 of which must be in the liberal arts. The final 30 credits must be taken in graded course work at the University, and no more than 60 of the total credits may be awarded from prior learning. Candidates must have a minimum GPA of 2.5 in their area of concentration and a minimum GPA of 2.0 from Adelphi overall.

The distribution requirement for the Bachelor of Science will be fulfilled as follows:

- Two semesters of English composition:
AHS 101 Expository Writing
AHS 103 Writing and Rhetoric
- ASC 112 Foundations of Economics
- AMC 360 Mathematics for Managers
- Seven management and communications or criminal justice foundation courses
- A minimum of 16 credits in advanced electives in one management and communications or criminal justice specialization
- UCI 404, 405 Capstone I, II

Certificate Program in Health Care Management

The ABLE certificate program in health care management consists of five courses that introduce students to the significant aspects and issues of health care management. These courses are taught by accomplished health care management professionals and are designed for both experienced health care professionals and for those who are considering a career in health care management.

Students may take these courses individually either for credit (4 credits each) or noncredit. The entire sequence, however, must be completed in order to earn the Certificate:

HCM I	Fundamentals of Health Care Management
HCM II	Financial Management of Health Care Facilities
HCM III	Health Care Human Resource Management
HCM IV	Legal Aspects of Health Care
HCM V	Health Care Management Information Systems

** Students who take any of these courses on a noncredit basis and wish to convert them to credit courses at a later date must consult their ABLE academic adviser.*

Academic Regulations (ABLE)

Academic Dismissal

Students who do not maintain a satisfactory GPA or who do not show satisfactory academic progress after two terms on academic probation will be dismissed from the ABLE program. When students are dismissed, all forms of financial aid will be denied. Once students are dismissed, readmission to the ABLE program is possible only with the permission of the dean.

Academic Probation

While pursuing their education, students are expected to make reasonable progress during each period of enrollment. If they do not, students will be placed on academic probation and must complete an ABLE Academic Contract, which will be signed by the student and the dean. Academic probation may result from any of the following:

- the current or cumulative GPA falls below 2.0;
- the transcript shows a large number of unsatisfactory grades (grades of I, F, or W);
- the number of credits completed falls significantly below the number of credits attempted as defined below:

If you registered for a total of...	You must earn a total of...
15	11
30	22
45	33
60	48
75	60
90	75
105	90
120	105
135	120

Students have two semesters to remove themselves from academic probation by bringing their cumulative GPA to the required level and resolving all outstanding grades of "Incomplete."

Administrative Withdrawal from the University

Involuntary Withdrawal

At the discretion of the assistant dean, students may be administratively withdrawn for the following reasons:

- failure to submit official transcripts within established deadlines;
- failure to fulfill the requirements for removal from provisional status;
- failure to fulfill the conditions of the Academic Contract;
- failure to enroll for courses for three consecutive semesters without having requested an official leave of absence.

Voluntary Withdrawal

Students who wish to withdraw in good standing from the University must inform the ABLE office in writing. Any refund of tuition or fees to which students are entitled will be given according to the date when their written request is made and to the current refund schedule. Students seeking readmission to the University must complete a readmission form, available at the ABLE office.

Graduation

Students should schedule a graduation clearance appointment with their ABLE academic adviser before filing an Application for Graduation form. Deadlines for filing the Application for Graduation are listed in the current ABLE Registration Guide. (Students engaged in the prior learning process may not file for graduation until they have received their final award notice.)

Incompletes

The grade of I (Incomplete) may be given only with the prior approval of the assistant dean, and only when students have experienced well-documented illnesses or well-documented catastrophic personal circumstances. The grade

of I will not be used in lieu of a poor grade resulting from excessive absences or a failure to complete course work. The Incomplete must be resolved within one term—including the summer term. After this time, the grade of I will become a grade of F.

Pass/Fail Option

ABLE students may, with the written approval of their academic adviser, register for up to 8 credits on a Pass/Fail basis during the course of their entire undergraduate program of study. This option must be selected when students register, and no changes regarding their choice will be allowed after the fourth week of the semester or term. Students may not select the Pass/Fail option for English composition courses, any courses in their area of concentration, or Capstone I and Capstone II. Those students considering a change of major must consult the appropriate school or department at Adelphi regarding their Pass/Fail policy. (Please note that many universities require traditional letter grades—A, B, C, D, F—for admission to their graduate programs.)

Dean's List

Students in the ABLE program are placed on the Dean's List to recognize their academic achievement during a given semester. (The list applies to fall and spring semesters only.) To qualify for the Dean's List, a student must:

- have been matriculated full time at Adelphi University;
- have completed at least 12 credits during that semester;
- have received no grades of F;
- have a GPA of 3.75 or higher for the semester.

COURSES OF INSTRUCTION

SCHOOL OF BUSINESS

ACC 101 Principles of Accounting I 3 credits

Introduces both accounting and non-accounting majors to financial accounting principles and managerial accounting concepts, including the preparation and use of financial statements. Emphasis is on the application of accounting data to decision-making through an in-depth study of the accounting concepts that influence management decisions and control. Topics include accounting as a form of communication, accounting models and transaction analysis, preparation of financial statements, operating costs, cost behavior, budgeting, standard costing, pricing decisions, and financial statement analysis.

ACC 102 Principles of Accounting II 3 credits

Prerequisite: ACC 101.

Designed for students preparing for a career in accounting. The preparation of financial statements for different types of business enterprises. This course introduces the student to the cost information needs of management and the use of accounting information for decision-making and control. The student is introduced to basic accounting principles and postulates; a practice set is required.

ACC 201, 202 Intermediate Accounting I, II 6 credits

Prerequisites: ACC 101 and 102.

Designed to strengthen students' conceptual approach to financial accounting. While studying the currently accepted methods of valuation and measurement of the economic resources and equities of the firm, students are alerted to the shortcomings and criticisms of the measurement system. The student is introduced to the opinions issued by the Accounting Principles Board and its successor, the Financial Accounting Standards Board. The student notes the underlying reasoning for the pronouncements and examines whether the regulations have accomplished their stated purposes. Accounting for pensions, leases, and price-level changes are topics incorporated into the course.

ACC 203 Cost Accounting

3 credits

Prerequisites: ACC 101 and 102.*Corequisites:* ACC 201 and 202.

Designed to give the student an in-depth introduction to the procedures for gathering cost information and the utilization of such information for management decision-making purposes. An examination is made of the job order, job process, and standard cost systems used for the recording of costs. In addition, stress is placed on management decision-making tools, including break-even analysis, economic order quantity, direct costing, and cost-volume-profit analysis. While the use of quantitative information is emphasized, the student is made aware of the input of qualitative information, which bears on management decision-making. The use of the budget as a management tool for planning and controlling operations is stressed and procedures are examined for the analysis of variances from budget due to cost and volume factors.

ACC 303 Principles of Auditing

3 credits

Prerequisites: ACC 101, 102, 201, and 202.

A comprehensive course designed to give the student an overview of auditing and its relationship to accounting principles, standards, and procedures. While the viewpoint of public accounting is stressed, attention is also given to internal auditing. Legal responsibilities and professional ethics are covered. Particular emphasis is given to the effect of internal control in auditing procedures. The use of the computer in auditing is covered. Practice sets are required.

ACC 306 Financial Statement Analysis

3 credits

Prerequisite: ACC 101.

A review of general accounting principles and concepts that govern the construction of financial statements of business and banking institutions. The student examines the techniques used in analyzing and interpreting these statements so as to understand and evaluate a firm's financial strength, income potential, working capital, and debt-paying abilities.

ACC 401, 402 Federal Income Taxation I, II

6 credits

Prerequisites: ACC 101, 102, 201, and 202.

A conceptual approach to federal taxation. Basic principles of the law are stressed, along with the reasons for the adoption of the principles. The interplay of accounting and law is explained. During the first semester, the areas of federal income taxation are covered; during the second semester, the emphasis is on partnerships and corporations. Principles applicable to all entities are covered throughout the course.

ACC 403 Advanced Accounting

3 credits

Prerequisites: ACC 101, 102, 201, 202, and 301.*Prerequisites or corequisites:* ACC 303, 401, and 402.

Designed for the student who possesses a solid background and understanding of accounting concepts and relationships. Problem-solving, problem approach, and analysis are examined in depth. Areas covered include mergers and acquisitions, consolidations, joint ventures, and partnerships.

ACC 405 Auditing and Accounting Information Systems

3 credits

Prerequisites: ACC 101, 102, 201, 202, and 303.

This course focuses on techniques for the analysis and evaluation of accounting information systems, including computer-based systems. Topics include an introduction to accounting systems theory; analysis of accounting systems, including documentation and design theory; accounting file structure; hardware/software selection and impact on accounting systems; system life cycle, including accounting controls; and systems implementation and maintenance from the auditor's standpoint. This course will require use of computer resources.

ACC 406 Government and Fund Accounting

3 credits

Prerequisites: ACC 101, 102, 201, 202, and 303.*Corequisite:* ACC 403.

Survey of the systems, theory, and applications of the principles of fund accounting. Emphasis will be on the municipality, public, and semipublic institutions.

BUS 123 Managing Your Future

3 credits

Provides the student with the conceptual tools and theoretical foundation to assess their values and priorities and to use such information to identify career options and relevant academic programs. Topics include readings on the psychology of career development; the analysis of diagnostic tests utilized to assess student values and priorities; the development of strategies for both career development and preparation for contingencies of future change.

BUS 162 Introduction to Business

3 credits

This interdisciplinary course provides a historical perspective on the role of business in society. It introduces the student to the organizational assets model and the major functional areas of business, including accounting, finance, production, operations, marketing, human resources, and information/technology. The issues of work, careers, and the parameters for success in life are explored, and students develop self-profiles to better equip them to evaluate future career opportunities. Students are introduced to a variety of communication tools as an aid in the development of group and interpersonal skills.

BUS 208 Insurance

3 credits

Designed to present an understanding of the relationship of insurance to society. Incorporates current issues relating to the functions and limitations of insurance. Topics discussed include risk management, fire, homeowners, inland, marine, crime, general liability, auto, life, health and accident, social insurance, no fault, old age benefits, social security benefits, and workers compensation. This course is not designed to qualify the student to take the N.Y.S. Insurance Brokers Licensing Examination.

BUS 250 Business Law I

3 credits

A basic survey course in business law. Stresses the laws of contracts as the basis for most commercial transactions and applies the law of contracts to the specific contracts of bailments and carriers, insurance, suretyships, and negotiable instruments.

BUS 251 Business Law II

3 credits

Prerequisite: BUS 250.

An advanced course in business law covering the application of the legal process and the law of contracts to the specific contracts of bailments, agency, guaranty and suretyship, insurance, and partnerships and corporations. Detailed consideration is given to wills, states of decedents, and bankruptcy.

BUS 252 Legal and Ethical Environment of Business

3 credits

Prerequisite: BUS 162 or MGT 262.

This course examines the nature and impact of law and ethics on the domestic and international operations of a business enterprise. The law is studied as an instrument of social change. Specific attention is paid to regulatory agencies, unions and labor relations, antitrust, consumer affairs, environmental impact, and contracts. The course also addresses the relationship of ethics to profit, social responsibility, government relations, and the role of business in society.

BUS 267 Creative Business Communications

3 credits

Research and report presentation, both written and oral. Emphasis on clarity and conciseness in writing applied to business letters, memos, and short and long reports; persuasive speaking to one or many; communication skills for the work place.

BUS 341 International Business

3 credits

*Prerequisites: BUS 162, MGT 262, ECA 111 and 112.**Open to juniors and seniors only.*

An examination of the foundations and environments of international business. Fundamental objectives and forms such as market expansion, resource acquisition, diversification, joint ventures, foreign direct investment, exports, and licensing are introduced. A comparative approach is used to examine the major environments affecting the growth of international business: legal, cultural, economic, political, financial, and technological. Finally, the action of the multinational enterprise upon its environment, specifically its attempts to develop firm-specific assets that are exploited in more or less "market-friendly" foreign locations, is explored.

BUS 461 Entrepreneurship

3 credits

Prerequisites: BUS 162, MGT 262. To be taken in the last year of student's program.

The pros and cons of an entrepreneurial career are explored. Students learn the importance of making personal trade-offs to cope with uncertainty, failure, and success. The evolution of organizational structure in the entrepreneurial firm and the stages of venture development are emphasized. Fostering the entrepreneurial and creative spirit of the large and small organization is a focal point. Entrepreneurs present their success stories throughout the course.

BUS 468 Business Policy and Strategy

3 credits

Prerequisites: Completion of all other required business courses, except BUS 461. To be taken in the last year of student's program.

This senior-level course integrates and synthesizes the knowledge from ALL prior course work for a top management perspective on a variety of business enterprises. Problem identification, strategy formulation, and decision implementation issues are stressed. Business simulation, case studies, role playing, and executive speakers are some avenues taken to convey course content.

ECA 101 Introduction to Economics

3 credits

*No prerequisites.**Does not count toward the Economics major.*

Provides students with the rudiments of economic literacy and understanding. It is partly descriptive of the present-day economy, partly theoretical, and partly speculative. The role of economics in everyday life, the operation of markets, and the determination of national income provide the focal points for lectures and discussion.

ECA 102 Consumer Economics

3 credits

*No prerequisites.**Counts toward the Economics major.*

This course will apply models of rational economic decision-making to the complex role of the consumer in a period of profound social and technological change. Specifically, consumer decision-making in relation to advertising, career choice, taxes, personal finance, and the environment will be discussed.

ECA 111 The Price System

3 credits

An introduction to a number of the major concepts employed in the analysis of economic decision-making by individuals and organizations, combined with the study of contemporary economic institutions, problems, and policy alternatives. Scarcity and choice, the price mechanism and planning, and the structure of American business and labor are considered, along with such issues as income distribution and the role of government in economic affairs.

ECA 112 The National Economy

3 credits

An introduction to the theory of national income determination. The goals of full employment, price stability, and economic growth are examined, and the alternative uses of fiscal and monetary policy are considered. The primary object of the course is to lead to an understanding of how the national economy operates, and with what consequences.

ECA 214 History of Economic Thought

3 credits

Prerequisites: ECA 111 and 112.

An exploration of the major schools of economics, in their historical context, since the 18th century. These include the mercantilists, the physiocrats, the English classical school, Marxism, the neoclassical school, and the Keynesians.

ECA 215 Environmental Economics 3 credits*Prerequisites: ECA 111 and 112.*

An examination of economic issues related to the natural world. Questions of theory, institution, measurement, and policy are addressed. Topics include the market analysis of public goods, the tragedy of the commons, green G.D.P., economic sustainability, and cost-benefit analysis.

ECA 225 International Trade 3 credits*Prerequisites: ECA 111 and 112.*

The study of international economic relations including trade theory, barriers to trade, economic integration, the relationship between trade and growth, balance of payments adjustments, and international monetary systems.

ECA 226 Economic Development 3 credits*Prerequisites: ECA 111 and 112.*

Definition, study, and assessment of the factors and forces affecting economic development. Several theories of development are discussed and case studies are examined.

ECA 231 Systems of Political Economy 3 credits*Prerequisites: ECA 111 and 112.*

A comparison of theoretical and actual economic systems with reference to topics such as efficiency, equity, incentives, decision-making procedures, and objectives.

ECA 241 Industrial Organization 3 credits*Prerequisites: ECA 111 and 112.*

The study of market structure and the decision-making of the firm. Topics include monopolistic and oligopolistic structures, the transnational corporation, and the application of game theory to decision-making in non-competitive markets.

ECA 251 Money and Banking 3 credits*Prerequisites: ECA 111 and 112.*

A systematic study of the nature of money and credit, the banking systems of the United States, central bank policies and controls.

ECA 252 Public Finance 3 credits*Prerequisites: ECA 111 and 112.*

Consideration of the basic problems underlying collection of public revenues and public expenditures. The federal tax system is examined in detail. General aspects of fiscal administration and the relationships between federal, state, and local tax systems are discussed.

ECA 262 Labor and Public Policy 3 credits*Prerequisites: ECA 111 and 112.*

This course is an analysis of major public policy issues relevant to the employment of labor. Major topics are: minimum wage laws, immigration, the dual labor market hypothesis, human capital theory, and contemporary theories of unemployment.

ECA 275 Microeconomic Analysis 3 credits*Prerequisites: ECA 111 and 112.*

A critical analysis of neoclassical price determination. Topics include consumer choice theory, the production function, the Marshallian theory of the firm, the factor theory of income distribution.

ECA 276 Macroeconomic Analysis 3 credits*Prerequisites: ECA 111 and 112.*

An examination of the determinants of the size, stability, and growth of national income, including a study of national economic policy alternatives and their implications.

ECA 305 Econometrics 3 credits*Prerequisites: ECA 111 and 112.*

An introduction to the methods of data collection, analysis, and presentation commonly employed by economic and financial analysts. Topics covered include: probability and sampling theory, regression, and correlation. Computer applications will also be explored.

ECA 420 Managerial Economics 3 credits*Prerequisites: ECA 111, 112, ACC 101, and FIN 330.*

The course is an advanced presentation of economic theory as it is incorporated in executive decision-making. It deals with the diverse, but integrated topics of demand analysis and forecasting techniques, as well as production theory and cost analysis. Topics analyzed also include real-world pricing models and applications within the context of increasingly intense global competition.

FIN 311 Financial Markets 3 credits*Prerequisites: ECA 111, 112, and FIN 330*

Treats short-term money market and long-term capital market instruments with emphasis on their liquidity, risk, and rate of return characteristics. The distinction between the primary and secondary markets. The determination and behavior of interest rates, including the challenges posed by the structure and behavior of yield curves. Trading and hedging techniques are covered, including the use of the futures and options markets. The pervasive impact of the Federal Reserve and its influence on interest rates and the domestic and international economies.

FIN 330 Managerial Finance 3 credits*Prerequisites: BUS 162, MGT 262, ECA 111, 112, MTH 110, and ACC 101.*

Provides an in-depth perspective on the principles of managerial finance. Students learn to use accounting information and other financial analysis techniques as tools in financial decision-making. Types of accounting information include the income statement, balance sheet, reconciliation of working capital, and cash flow. Analytical models are used.

FIN 412 Seminar in Finance

3 credits

Prerequisites: FIN 330, ECA 251, and FIN 311.

An examination of significant domestic and global issues in both micro finance and macro finance. Students are assigned research projects which are related to significant current issues. Every student is required to make an oral presentation of his/her topic to the class. The student is also required to submit an analytical research paper to the instructor at the end of the semester.

FIN 434 Economics of Financial Management

3 credits

Prerequisites: ECA 111, 112, ACC 101, and FIN 330.

An intermediate level course covering both traditional financial theory and recent developments in the field. Topics of study include the valuation of financial assets, modern portfolio theory, such as the efficient market hypothesis, the concept of diversification, and the capital asset pricing model. Also covered are the cost of capital, capital budgeting under conditions of certainty, the net present value versus the internal rate of return approaches, adjusted for inflation, capital budgeting under conditions of uncertainty, capital structure and dividend policy. Students are assigned weekly case studies which are covered in class.

FIN 438 Investment Analysis

3 credits

Prerequisites: ECA 111, 112, ACC 101, and FIN 330.

A course in security analysis and valuation, focusing on equity securities and fixed income securities; principles of risk measurement, portfolio diversification, including international diversification and the relationship between risk and return; concepts of valuation, efficient markets and fundamental and technical analysis; the valuation of derivative securities and the use of derivative securities in risk management.

FIN 443 International Finance

3 credits

Prerequisites: ECA 111, 112, ACC 101, and FIN 330.

This course covers major topics in macro and micro international finance. At the macro level the evolution of the international monetary system is integrated with the nature of the balance of payments, the function of foreign exchange markets, and the determination of foreign exchange rates. Specific problems facing the transnational business firm and transnational bank include the use of foreign currency options, managing transaction exposure and scouring the international debt and equity markets to optimize the firm's financial structure. The challenges, opportunities, and risks associated with the international finance will be treated throughout with emphasis on current problems and issues.

HRM 365 Human Resources:**Policies and Legal Requirements**

3 credits

Prerequisites: MGT 262 and HRM 367.

A systemic study of the effects of legal requirements on the management of human resources. Includes an operational approach to ERISA, NLRB, OSHA, AA, ADEA, FLSA, and general antidiscrimination laws. Experiential exercises and case studies.

HRM 367 Management of Human Resources

3 credits

Prerequisites: BUS 162, MGT 262 and 366.

This course examines the personnel/human resource function in private and public organizations from a manager's viewpoint. Topics include recruiting, interviewing, employment, wage and salary administration, management development, performance appraisal, job evaluation and design, manpower planning, training, unions, labor relations, equal opportunity, and other current issues and topics.

HRM 466 Compensation Management

3 credits

Prerequisites: MGT 262 and HRM 367.

A study of compensation management for all levels of employees with a concentration on the determination of wages and salaries, compensation methods, executive "perks," financial aspects of benefits, and pension programs.

HRM 467 Executive Assessment and Testing

3 credits

Prerequisites: MGT 262, HRM 367 and OPR 272.

Familiarizes students with basic principles of psychological testing. Major testing terms and concepts are discussed. Emphasis is on the application of testing in an industrial setting. Interviewing is treated as one of the "tests."

HRM 468 Staffing: Recruitment, Selecting, and Training

3 credits

Prerequisites: MGT 262 and HRM 367.

Examines and appraises the theory and procedures employed to recruit, select, place, train, and develop employees at all levels. Includes experiential exercises on executive development placement, career programs, and organizational development.

HRM 469 Labor Relations

3 credits

Prerequisites: MGT 262 and HRM 367.

An operational approach to collective bargaining with a critical evaluation of the executive's role. Includes an evaluation of the NLRB and current problems in the union-management area. Experiential exercises and case studies.

MGT 262 Principles of Management 3 credits

An overview of the management process and an understanding of the difficulties in implementing it. Comparative management styles and systems, and the competencies that characterize an effective and innovative manager, are examined. The concept of budgeting as a process for internal control is introduced. Students formulate a real career plan, and emphasis is given to developing the student's personal marketing skills and tools. Students engage in role-playing and other interactive activities and exercises. Research and report writing are also emphasized.

MGT 363 Creative Problem-Solving 3 credits

Limited enrollment.

An advanced course designed to scrutinize the nature of creativity. Its purpose is to nurture creativity and "constructive discontent" through the use of situational analysis, self-demonstration, brainstorming, and game theory. Students apply these techniques in their search for answers to the complex problems facing us now as well as those that will confront us in the future. Particularly recommended for liberal arts majors.

MGT 366 Organizational Behavior 3 credits

Prerequisites: BUS 162 and MGT 262.

Introduces organizational behavior, the social-scientific study of individuals and groups in work organizations. Organizational behavior deals with the changes occurring in today's workplace, including changes in job design and organizational structure, multicultural diversification of the work force, and the increasing importance of work teams. Built on findings from psychology, social-psychology, sociology, and cultural anthropology, this course examines employee motivation and job satisfaction, factors influencing levels of job performance and psychological dimensions of the work environment. It also discusses personality differences, managerial effectiveness, and stress at work. Individual, group, and social impact on outcomes are studied.

MGT 392 Strategies for Personal and Professional Growth—An Internship 3 credits

Prerequisite: Permission from the Office of the Dean.

An upper-level course that begins by examining the risk factors and troublesome feelings involved in making change. Other topics include insights into developing a well-formulated career strategy, getting the most out of the first job, adjusting to life and work after school, climbing the corporate ladder, and becoming a successful entrepreneur. The internship experience provides an opportunity to test the philosophies, concepts, and strategies presented in the class. In addition to lectures and readings, executives talk about the strategies they employed to become successful.

MKT 280 Marketing 3 credits

Prerequisites: BUS 162 and MGT 262.

This course explores the role of marketing in the global marketplace. Employing a consumer focus, the course exposes the student to the philosophies, concepts, and skills needed to manage the marketing function. Topics include marketing strategy, competitive analysis, consumer behavior, new product development, marketing research, and the marketing mix—advertising, promotion, personal selling, distribution, and pricing. Case studies and videos are used.

MKT 382 Retail Management 3 credits

Prerequisite: MKT 280.

A study of retail store management and an understanding of various types of retailing establishments in our economy. The course analyzes the significant developments taking place in the major environments within which retailers must operate today—social, economic, technological, legal, and governmental.

MKT 383 Sales Management 3 credits

Prerequisite: MKT 280.

Fundamentals of personal selling and sales force management are developed, including an analysis of the sales process and the sales plan. Emphasis is placed on sales administration as an element in marketing management.

MKT 384 Direct Marketing and Sales Promotion 3 credits

Prerequisite: MKT 280.

An examination of the scope, opportunities, concepts, strategies, and applications involved in direct marketing and sales promotion. Special emphasis on database management, telemarketing, list management, direct mail, and fulfillment. Recent trends and technologies such as the role of the Internet and interactive media will be reviewed. Industry speakers will make presentations.

MKT 480 Advertising Management 3 credits

Prerequisite: MKT 280.

A detailed analysis of today's advertising agency, with emphasis on integration and application of advertising fundamentals. Particular attention is given to the creation, implementation, and evaluation of advertising campaigns.

MKT 481 Marketing Research 3 credits

Prerequisites: OPR 272, MKT 280, and completion of mathematics requirements.

Designed to assist students in using the techniques and skills of marketing research in the problem-solving role of marketing management. Students undertake field projects.

MKT 482 Marketing Strategy 3 credits

Prerequisite: MKT 280 and 481.

Designed to provide an understanding of the major strategy problems facing today's marketing executive. Students are provided with an opportunity to bring their marketing knowledge to bear in the solution of contemporary marketing problems.

OPR 271 Information Technology and Applications

4 credits

Prerequisites: BUS 162 and MGT 262.

This course shows how information, handled through technology, can be an effective means for dealing with complexity. Students will learn how to store, retrieve, organize, evaluate, model, and present information from a variety of business sources. The impact of computer-based information technology upon organizations and society will be examined. Skill building will be achieved through a series of structured, required exercises.

OPR 272 Analytical and Statistical Modeling

4 credits

Prerequisites: BUS 162, MGT 262, OPR 271, and MTH 110.

This course explores how data can be used to support managerial decision-making. Methods for collecting and categorizing data are presented, as are mathematical and statistical tools, software, and techniques for analyzing data. Analysis and interpretation of data required.

OPR 373 Management of Production Operations

3 credits

Prerequisites: BUS 162, MGT 262, MTH 110, OPR 271 and 272.

Introduces production and operations management, the business function responsible for creating goods and services. In recent years, the scope of production management has broadened considerably. Production concepts and techniques are now being applied not only to manufacturing concerns but to a wide range of service industries. These include health care, food service, recreation, banking, hotel management, retail sales, education, transportation, and government. This course examines the design and control of systems needed for the efficient use of materials, human resources, and equipment. It also discusses allocation of financial resources, facilities, and information in the development of competitive products and services.

OPR 471 System Analysis and Design

3 credits

Prerequisite: OPR 271.

This course is intended for students who plan on becoming Business Analysts or Information System Developers. These skills are in high demand by consultants and companies of all sizes. The focus is on the analysis of business systems for the purpose of developing requirements for business process reengineering and information system development. The course also covers logical and technical design and implementation of business systems. Students use a computer aided software engineering (Case) tool and investigate system planning, business process modeling, and requirements specification. Students will develop conceptual, analytical, and practical skills in modeling business processes.

OPR 474 Data Communication

3 credits

Prerequisite: OPR 271.

The increasing use of data processing equipment, increasing use of distributed systems, increasing diversity of networking options, and emergence of the Internet and World Wide Web have made a solid understanding of fundamentals of communications essential to business and information management. This understanding includes: the underlying technology of information communications facilities, networking systems, and communication software; the architecture of information communication (the way in which hardware, software, and services can be organized to provide computer and terminal interconnection) and application of information communication in today's business.

OPR 475 Database Management

3 credits

Prerequisite: OPR 271.

This course provides an introduction to database management systems concepts, design, and implementation. Logical and physical design of databases will be studied in detail. These include the data flow diagrams, and the entity-relationship models. Oracle and SQL on the UNIX system will be used and the vehicle from mastering the database implementation process. Given a design and implementation, the final step of the process is the ongoing monitoring and revision of the database management system as the organization, the users, and the database itself evolve.

OPR 478 Management Information Systems

3 credits

Prerequisite: OPR 271.

Globalization of trade, the emergence of information economies, and the growth of the Internet and other global communications networks, have recast the role of information systems in business and management. The Internet is becoming the foundation for new business models, new business processes, and new ways of distributing knowledge. Companies can use the Internet and networking technology to conduct more of their work electronically, seamlessly linking factories, offices, and sales forces around the globe. This course fully explores the electronic business uses of the Internet for the management of the firm as well as the Internet's growing role in electronic commerce. It includes detailed treatment of enterprises that electronically link the firm to suppliers and other industry partners.

SPECIAL PROGRAMS

Certificate Program in Health Care Management (ABLE)

Students may take these courses individually either for credit (4 credits each) or noncredit. However, the entire sequence must be completed in order to earn the Certificate.

HCM I Fundamentals of Health Care Management

This course provides a comprehensive overview of management theory and practices for those with increasing managerial responsibility. Some areas to be covered are team building, professional staff management, CQI/TQM (to include customer service excellence and Definition of Quality and Quality Assurance), organizational structure, program planning, cost control, financial management, budget, and the roles of hospital and community boards, the medical staff, and government agencies in the policy making process.

HCM II Financial Management of Health Care Facilities

This course will examine basic concepts of financial management and accounting as they apply to practical hospital management. Topics will include reimbursement practices, alternative revenue sources, capital vs. operating expenses, cost control, basic accounting principles, billing and collections, third party reimbursement, budgeting, and quality health care vs. cost containment.

HCM III Health Care Human Resource Management

This course deals with the utilization, management, and supervision of human resources from an operational rather than a personnel administration perspective. Some topics to be covered are the operational performance of individuals, improving and evaluating work performance, team building and team problem solving, labor relations and collective bargaining, disciplinary actions and appeal procedures, compensation and employee benefits, safety and health.

HCM IV Legal Aspects of Health Care

This course deals with principles of law and administrative regulations as they apply to health care agencies, institutions, and organizations. Topics will include the legal rights and duties both of patients and providers of health care, health care liability (risk management), privacy and confidentiality, malpractice and negligence, and issues concerning the "right to die."

HCM V Health Care Management Information Systems

This course provides a basic understanding of computer systems, decision support systems, and procedures involved in system development. The course will cover the analysis of health information needs and the development of appropriate information systems, which are key tools in providing care for patients, operating efficient health care delivery systems, and overseeing financial management of billing and collections systems.

Management and Communications (ABLE)

AMC 101 Management Concepts

4 credits

This course examines the fundamental theories and ideas that influence organizing, planning, control, and decision making in the business world. These concepts will be analyzed and applied in reference to specific systems, techniques, and cases drawn from real life. The consequences of management decisions will be discussed and critiqued.

AMC 211 Principles of Accounting I

4 credits

This course examines the various aspects of accounting from balance sheets to inventories. The techniques and fundamental principles underlying financial accounting will be reviewed and analyzed. This course is particularly helpful for those managers wishing a broader understanding of financial procedures.

AMC 213 Principles of Finance

4 credits

This course examines the role of finance in business management. Major areas of study include financial markets, financial organizations of business entities, analysis of budgets, credit, equity and debt financing, the uses of corporate securities in capitalization, and asset management.

AMC 232 Marketing Concepts

4 credits

This course explores the concepts of modern marketing and the strategies and techniques through which they are applied. Students will become familiar with the relation and interaction of the components of sound marketing, including pricing, distribution channels, product planning research, and advertising.

AMC 261 Introduction to Computers with BASIC

4 credits

An introduction to electronic data processing and business concepts, including both the processing capabilities and the information storage facilities of computers. The fundamentals of computer problem solving and programming in BASIC will be discussed and applied. In addition, students will be prepared for more advanced courses in computer programming and computer systems.

AMC 344 Business Law I*4 credits*

This course examines the legal environment of business and analysis of the laws essential in daily life, including contracts, sales, insurance, and personal property.

AMC 360 Math for Managers*4 credits*

This course considers the theory and application of problem solving techniques for managers. Topics to be studied include linear programming problems, assignment problems, network shortest path, scheduling (critical path), queuing theory, simulation, decision theory, and theory of games.

UCI 404 Baccalaureate Capstone I*4 credits*

Prerequisites: senior status (90 credits) and permission of academic adviser.

The Baccalaureate Capstone is an interdisciplinary seminar that examines how the ideas of the modern age have challenged and altered traditional ways of thinking. As an analysis of the seminal ideas of modernity as defined by the thinkers who originated them, the Baccalaureate Capstone will empower students to think about the world in new and exciting ways.

UCI 405 Baccalaureate Capstone II: Research Seminar*4 credits*

Prerequisite: Baccalaureate Capstone I.

This course is designed to help students develop ideas and pursue avenues of interest inspired by the readings in the Baccalaureate Capstone I. Students will do this through one of the standard forms of academic discourse: independent research and the completion of a project based upon the insights from that research. Capstone II is designed to allow students to use knowledge and methodologies gained through their undergraduate course work in evaluating a major ethical or moral problem in American life.

SCHOOL OF
EDUCATION

School of Education

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Professional Philosophy

The mission of the School of Education is to prepare teachers and professionals in education and allied fields to take leadership roles in schools, hospitals, clinics, and other educational and therapeutic settings. Based on the belief that the educational leaders of the 21st century will have to adapt to rapid social, cultural, demographic, and technological changes, our programs mesh a strong foundation in the liberal arts and sciences to professional preparations that link theory with practice in meaningful ways.

Our core values focus on scholarship, teaching as a reflective practice, social justice, diversity, wellness and creativity. To this end we have created a program grounded in field-based learning and academic knowledge. We have strong ties with diverse schools and clinical settings which provide opportunities for teachers, college faculty, and students to engage with school-age children and adults ranging from those at-risk to the gifted. We seek to prepare teachers and those in allied fields to enter their profession with pride, grounded in multiple theories and practices of how students learn and think, and with a demonstrated ability to impact on PreK–12 student outcomes.

Programs of Study

Undergraduate students in the School of Education may undertake four-year baccalaureate programs of study in:

- Art Education;
- Health Studies, Physical Education and Human Performance Science;
- Communication Sciences and Disorders.

These programs lead to the Bachelor of Arts (B.A.) and fulfill the requirements for New York State certification.

Undergraduate students may participate in the Scholars Teacher Education Program (STEP), an innovative, five-year, combined baccalaureate/master's program for those preparing to teach at the childhood or adolescent levels.

Programs in Childhood, Adolescent, and Art Education

We are devoted to the cultivation of professional educators who are knowledgeable, scholarly, reflective, compassionate, ethical, socially engaged, and artistic. Preparing these educators has several dimensions. Prospective teachers must be intellectually mature and well educated in the arts and sciences, but they must also have the special expertise needed to create dynamic educational environments. Prospective teachers must have a deep understanding of child growth and development; an awareness of the social realities that shape children; and a vision of the function of schools in our multicultural society. By developing such expertise, Adelphi-educated teachers will be able to develop programs of substance and meaning for children from varied backgrounds and abilities, children whose complex needs and interests will be effectively challenged and met.

Scholars Teachers Education Program (STEP)

In 1995 the School introduced the Scholars Teachers Education Program (STEP). STEP is a unique, five-year, combined baccalaureate/master's program for undergraduate students preparing to teach at the childhood (grades 1–6) and adolescent (grades 7–12) levels. The first four years of STEP allow for study in the University's General Education requirements, and in a liberal arts major. Over the total five-year time frame, the student's program is also integrated with a full course of study in education. Course work and field experience at the undergraduate level lead directly into a full-time professional, field-based course of study at the graduate level which culminates in a Master of Arts in Education. The continuity and cohesiveness of the graduate and undergraduate aspects of the program make the curriculum both economical and comprehensive. The structure of STEP is particularly effective in meeting the needs of the transfer student. Students entering the program at the junior level have a three-year course of study, which takes them through their master's degree in education.

Combined Baccalaureate and Master's Degree: Scholars Teachers Education Program (STEP)

Admissions Requirements

- Freshmen: high school GPA of 3.0 or higher; SAT of 1000 or higher; personal interview.
- Transfer students: GPA in first 60 credits of 2.75 or higher; academic proficiency in general education courses; application; personal interview.

Childhood Education

Students in the STEP Childhood Education sequence must major in one of the liberal arts and sciences and complete the University General Education requirements. *Please note: All liberal arts majors with the exception of dance are acceptable majors. If not met as part of the General Education program, Childhood Education STEP minors must take 4 credits in a laboratory science and 6 credits in a language other than English to fulfill NYS certification requirements in Childhood Education 1-6. Please see your adviser to determine whether you are eligible for a waiver of the language requirement.* Additionally, we recommend strongly that 6 credits in American history and a political science course be taken as part of the University General Education requirement. STEP Childhood Education minors must also complete the following STEP sequence:

STEP Minor in Childhood

Education: 28 credits plus 4 elective credits

First Year

EST 102 Orientation Seminar *1 credit*
Waived for transfer students.

Second Year

Fall

PSY 115 Developmental Psychology *3 credits*

OR

EST 221 Process of Learning
 (Birth–Grade 8) *3 credits*

Spring

EST 302 Learning, Cognition,
 and Teaching *3 credits*

Third Year

Fall

EST 304 Community, School,
 and Society *3 credits*

Spring

EST 401 Teaching and Learning
 Literacy I (N–3) *3 credits*

EST 402 Teaching and Learning
 Social Studies *3 credits*

Fourth Year**Fall**

EST 305 The Child with Special Needs 3 credits

EST 405 Teaching and Learning Literacy II (Grades 4–6) 3 credits

Spring

EST 403 Teaching and Learning Math (Grades 1–6) 3 credits

EST 404 Teaching and Learning Science (Grades 1–6) 3 credits

Fifth Year: Graduate Childhood Program, 33 credits**Summer** (9 credits)

EST 533 Technology 3 credits

EST 574 Aesthetics 3 credits

EST 576 Philosophy 3 credits

Fall (12 credits)

ELY 545 Children's Literature 3 credits

EST 571 Research I 3 credits

EST 572 Assessment 3 credits

Graduate Elective 3 credits

Spring (12 credits)

EDU 531 Student Teaching and Seminar 6 credits

EST 575 Research II 3 credits

EST 578 Classroom Management 3 credits

Adolescence Education

Students in the STEP Adolescence Education sequence must major in one of the liberal arts and sciences appropriate to their content specialty and complete the University General Education requirements. If not met as part of the General Education program, Adolescence Education STEP minors must take 6 credits in a language other than English to fulfill NYS certification requirements in Adolescence Education 7–12. Please see your adviser to determine whether or not you are eligible for a waiver of the language requirement.

Students selecting the minor in Adolescence Education should major in the following areas:

- **English Education:** Major in English
- **Biology Education:** Major in biology
- **Chemistry Education:** Major in chemistry
- **Earth Science Education:** Major in environmental studies (must include a minimum of **30 credits** in earth science.)
- **Mathematics Education:** Major in mathematics
- **Physics Education:** Major in physics
- **Social Studies Education:** Major in one of the following; anthropology, economics, history, political science, or sociology. Regardless of major, all minors in social studies education must take a minimum of **21 credits** in history and one course each in economics, political science and geography, introduction to sociology and introduction to psychology.

STEP Adolescence Education minors must also complete the following STEP sequence:

STEP Minor in Adolescent

Program: 25 credits plus 4 elective credits
Effective Freshman 2000

STEP Adolescent Teaching Areas:

- English
- Mathematics
- Sciences (biology, chemistry, earth science, physics)
- Social Studies

First Year

EST 102 Orientation Seminar *1 credit*
Waived for transfer students.

Second Year**Fall**

PSY 116 Developmental Psychology *3 credits*

OR

EST 222 Process of Learning
 (Grades 7–12) *3 credits*

Spring

EST 302 Learning, Cognition, and
 Teaching *3 credits*

Third Year**Fall**

EST 304 Community, School, and
 Society *3 credits*

Spring

EDO 510 Visions and Practices in
 Middle School Education *3 credits*

Fourth Year**Fall**

EST 305 The Child with Special
 Needs *3 credits*

EDO 511-518 Instruction and Assessment
 in Adolescent Education *3 credits*

Spring

ELY 521 Literature for Young Adults *3 credits*

ELY 603 Reading and Writing in the
 Middle and Secondary School *3 credits*

Fifth Year: Graduate Adolescent Program, 33 credits**Summer** (9 credits)

EST 533 Technology *3 credits*

EST 574 Aesthetics *3 credits*

EST 576 Philosophy *3 credits*

Fall (12 credits)

EST 571 Research I *3 credits*

EST 572 Assessment *3 credits*

Graduate Electives *6 credits*

Spring (12 credits)

EDU 530 Student Teaching and
 Seminar *6 credits*

EST 575 Research II *3 credits*

EST 578 Classroom Management *3 credits*

Art Education

Harry Davies, *Program Director*

Artistic activity is a psychologically integrating experience that naturally calls forth self-direction, learning through the senses, and multidimensional ways of knowing. The special mission of art education is to support the development of perceptual sensitivity and depth of expression within a cultural and educational context that is too often disconnected from both the outer world of the senses and the hidden world of imagination and inspiration. The goal of the program in art education is to develop art educators who can understand artistic development across the lifespan and the relationship of the sensory and kinesthetic domains to art-making; awaken and support the exploration of ideas, feelings, and experiences through developmentally sensitive means and materials; appreciate the role the arts can play in opening cross cultural understandings; and maintain a lively commitment to their own artistic practice.

Majors in art education complete a full major in art (see appropriate section under the College of Arts and Sciences in this Bulletin), while taking the following art education sequence:

(Please note: All students must fulfill the University General Education requirements. In addition, if not met through the General Education program, art education majors must complete 6 credits in a language other than English, unless waived by an adviser.)

Art Education Core, 18 credits

EAR 203 Introduction to Art Education	3 credits
EAR 220 Artistic Development: Childhood through Adolescence	3 credits
EAR 510 Instruction and Assessment in the Visual Arts	3 credits

EAR 525 The Historical and Philosophical Foundations of Art Education	3 credits
EAR 540 Student Teaching and Reflective Practice Seminar in Art Education	6 credits

General Pedagogical Core, 13 credits

EST 221 Processes of Learning I (Birth to Grade 8)	3 credits
EST 222 Processes of Learning II (Grades 7–12)	3 credits
EST 304 Community, School and Society	3 credits
EST 305 The Child with Special Needs	3 credits
HED 610 Health Promotion for Teachers	1 credit

In order to be certified as an art educator in New York State, students must achieve passing scores on the LAST (Liberal Arts and Sciences Test) and ATS-W (Assessment of Teaching Skills). These tests are part of the NYSTCE (New York State Teacher Certification Examination).

Students must apply for student teaching (EAR 540) by the following dates:

For a Fall Placement:	February 15
For a Spring Placement:	June 15

Important deadlines and dates for student teaching meetings are posted outside of the Office of School and Community Partnerships, Harvey Hall, Room 111.

Please speak to an adviser in the art department regarding the portfolio requirement for student teaching in art education.

Programs in Health Studies, Physical Education, and Human Performance Science

Ronald S. Feingold, *Chair*

Health and physical education as disciplines or programs of study go beyond the public school. Their impact on society and people begins with infancy and culminates at old age. For example, nutrition, health, physical education, and sport can provide stability in the face of the breakdown of the traditional family unit and the increase in the number of youth-at-risk. Furthermore, fitness and nutrition education continues to be of major importance to society given the need to develop a healthful lifestyle that will enhance the quality of life, and reduce soaring medical costs. Because variety in aims and applications characterizes today's physical education, the department of health, physical education and human performance science has recently committed its resources to the development of programs with multidisciplinary perspectives. The department prepares professionals to work with many different populations, including the preschooler, the adult, the elderly, the disabled, the athlete, and the injured. Instead of the specialist teaching only sport skills, we see the physical education professional teaching fitness, wellness, value education, multicultural awareness, and self-esteem through participation in exercise, games, dance, and sport. The development of these goals and objectives requires the interaction of professionals beyond the school setting, to include professionals in the community and on the work site. Corporate fitness and recreation facilities, hospitals, community health centers, parks and community centers, and YM/YWCAs are all

examples of settings where the reinforcement and development of healthful goals may be established.

The department of health studies, physical education, and human performance science offers an undergraduate program leading to a bachelor of science degree and New York State professional certification in teaching physical education. Undergraduate course work in health studies is open to all students and may be required or recommended in a number of majors within the University. The department also offers dual certification in health and physical education.

Physical education offers three areas of concentration:

Pedagogy/Teaching includes teacher preparation and the study of teaching in the gymnasium environment and/or the health classroom. Students may specialize as coaches, teachers K-12, and adapted physical educators. A teaching practicum and field experience are required.

Human Performance Science is the application of scientific principles to sport skills enhancement, training and conditioning programs, adult fitness, nutritional analysis, biomechanics, injury prevention, and rehabilitation. Areas of concentration include exercise leadership, sports medicine, athletic training, and pre-physical therapy. Field experience is required.

Administration Management prepares students for careers as public school administrators, athletic directors, and sport management personnel in the private sector (including supervision of professional teams and fitness centers). Management theory is applied to the specific population and facilities. The majority of the course work in the sport management area of concentration is at the upper division level. The department now offers a specialized track in sports management.

In addition to the University General Education requirements, students majoring in physical education and seeking New York State

Teacher Certification must complete 33 credits of Theoretical Foundations, 15 credits of Physical Education Methodology, an 18-credit Education Core sequence, and 8 credits in biology. Health certification may be obtained with additional health content courses.

Requirements for Major Leading to the Bachelor of Science with Professional Certification

(Physical Education Teacher: K–12)

Theoretical Foundations (33 credits)

PED 100	Principles of Health and Physical Education
PED 290	Technology in HPE
PED 315	Motor Development
PED 375	Social Issues in Physical Education and Sport
PED 380	Physical Education in the Elementary School
PED 461	Kinesiology
PED 463	Physiology of Exercise
PED 467	First Aid and Injury Control
PED 469	Adapted Physical Education
PED 470	Health and Fitness
PED 505	Professional Seminar

Physical Education Methodology

(15 credits)

PES 100*	Beginning Swimming
PED 210*	Tumbling Methods
PED 230*	Track and Field Methods
PED 237*	Group Games Methods
PED 242*	Tennis Methods
PED 244*	Badminton Methods
PED 250*	Lifetime Activities
PED 261	Field Hockey Methods
PED 263	Lacrosse Methods
PED 266*	Soccer Methods
PED 268*	Basketball Methods
PED 269*	Volleyball Methods
PED 285*	Rhythmic Movement Fundamentals
PED 488*	Practicum in Teaching

*required

Education Core (18 credits)

EST 221	Learning: Birth to Grade 8
<i>OR</i>	
PSY 115	Developmental Psychology
EST 302	Learning, Cognition, and Teaching
EDU 340	Curriculum and Teaching
EDU 516	Curriculum and Methods of Instruction in Physical Education
PED 536	Student Teaching in Physical Education

Biology (8 credits)

BIO 203, 204	The Human Body: Scientific Perspectives on Structure and Function I, II
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Students majoring in physical education (exercise science/sports management) who are not seeking New York State Certification must complete 21 credits of Theoretical Foundations and 15 credits of physical education electives.

Requirements for Major Leading to the Bachelor of Science without Teacher Certification

Professional Courses (36 credit minimum)

Human Performance (Required 21 Credits)

PED 100	Principles of Health and PE
PED 315	Motor Development
PED 375	Social Issues
PED 461	Kinesiology
PED 463	Exercise Physiology
PDE 467	Injury Control
PED 491	Seminar/project

Sports Management (Required 21 credits)

PED 100	Principles of Health and PE
PED 205	Foundations Sports Management
PED 275	Sports Marketing
PED 370	Aspects Coaching
PED 375	Social Issues
PED 467	Injury Control
PED 550	Sports management topics

Electives (15 credit minimum)

Coaching
Athletic Training
Sports Medicine
Fitness Leadership
Pre-physical Therapy

Biology (8 credits—human performance, exercise science, therapy only)

BIO 203-204 Human Body

(Chemistry and physics recommended for therapy and exercise science students)

Specialized tracks are available in pre-physical therapy, sports medicine, exercise specialization, sports management, and coaching. For further information on each, contact the departmental office.

Dual Certification in Health and Physical Education

While students may prefer to specialize in physical education, the department does offer a dual certification program. Students who choose to complete dual certification in health education and physical education must fulfill the following to be certified in health: New York State requires 36 credits in health content; 12 credits in professional education; and 3 credits in student teaching. Students are also required to pass the New York State Teacher Certification Examination (Liberal Arts & Science Test – LAST) and the Assessment of Teaching Skill-Written (ATS-W).

Health Content Courses (36 credits)

(All courses are for three credits unless otherwise noted.)

I. Required (16 credits)

HED 372	Human Sexuality
HED 373	Essentials of Healthful Living
HED 488	Practicum (1)
HED 501	Dynamics of Substance Abuse
HED 504	Comprehensive School Health – secondary
HED 571	Health Issues for the Elementary School Educator

II. Physical Education Courses that Count as Health Content (15 credits)

PED 100	Principles of Health & Physical Education
PED 467	First Aid & Injury Control
PED 470	Health and Fitness
BIO 203-204	Anatomy/Physiology (6 credits)

III. Other Courses that Count as Health Content (6 credits)

HED 370	Psychosocial Health Issues
HED 375	Issues in Community and Consumer Health
HED 505	Multidimensional Aspects of Stress
HED 506	Health & Nutrition
HED 520	Topics
Fr Sem 110	Optimal Health

Professional Education Courses (12 credits)

EST 221	Process of Learning I
EST 302	Learning, Cognition and Teaching
EDU 340	Curriculum & Teaching
EDU 516	Methods of Teaching PE

Student Teaching in Health (3 credits)

HED 537

Student Teaching

(Prerequisite HED 504 and 18 credits in health content)

Note: For students graduating with over 120 credits, approximately 6–9 credits can be used towards graduate credit if signed up ahead of time.

Joint Degree Program in Physical Therapy

Growing demand for physical therapists and increasing interest in the field among students has led Adelphi University and the New York Medical College Graduate School of Health Sciences in Valhalla, New York, to offer a combined seven-year B.S./D.P.T. degree program in physical therapy.

For more information about this program please see Chapter IX of this *Bulletin*.

Minors in Health and Physical Education

Students have an opportunity to select minors in health, sports management, exercise science or physical education. Each minor requires 18–21 credits in a specific area of study that has been established with the help of an adviser.

Program in Communication Sciences and Disorders

Yula C. Serpanos, *Chair*

The Department of Communication Sciences and Disorders provides students with pre-professional preparation for careers in speech-language pathology and audiology. In addition to preparing students for graduate study in communication disorders, this program provides a strong foundation for careers in education, psychology, and the allied health professions.

Communication Disorders

The purpose of the program in communication disorders is to provide pre-professional training in speech-language pathology and audiology within a strong liberal arts framework. Students in this program acquire basic knowledge of the discipline through study in the speech, language, and hearing sciences. The curriculum is designed to provide the necessary academic and clinical coursework for graduate school. Our program includes the academic and clinical prerequisites required for national certification by the American Speech-Language-Hearing Association (ASHA) and New York state licensure. In addition, students can elect to take academic courses necessary to meet New York State Teacher of Students with Speech and Language Disabilities (TSSLD) certification requirements. The clinical requirement (student teaching) is provided only on the graduate level.

Students must maintain a minimum overall GPA of 2.75. If a student's GPA falls below 2.75, the student will be placed on academic probation for one semester. If a 2.75 is not achieved by the end of the probationary semester, the student will be dismissed from the program. If a student earns two grades of C+ or lower within the first 15 credits of course work within the major (SPE courses), the student will be dismissed from the program. If a student earns a third C (beyond the first 15 credits of SPE courses), the student will be required to retake that course until a grade of B– or better is earned. A student who earns a grade of F in any major course, at any time, will be dismissed from the program. Transfer students may be required to take one or more additional semesters of study. All students are expected to demonstrate adequate oral and written communication skills.

It is the responsibility of the student to consult with his or her academic adviser, *University Bulletin*, and *Student Handbook*, regarding program policies and procedures. Required courses *may not* be taken Pass/Fail.

The Hy Weinberg Center for Communication Disorders

Bonnie Soman, *Director*

The principal functions of the Hy Weinberg Center for Communication Disorders are the preparation of undergraduate and graduate students in speech-language pathology and audiology; research in the areas of speech, language, and hearing disorders; and clinical service to the community. Equipped with state-of-the-art clinical audiometric instrumentation, the Center also houses speech and hearing science laboratories. The laboratories contain acoustic and physiologic instrumentation for objective measurement of important parameters of speech and voice. Therapy rooms are separated by observation corridors containing sound systems and one-way vision mirrors to facilitate observation and supervision. In addition, the Center has a sound-treated van that provides speech and hearing screenings to the community. Such screenings are administered by qualified students under the supervision of a clinical faculty member.

Requirements for the Major in Communication Disorders

Students majoring in communication disorders must complete 45 credits in speech, 8 credits in biology, and 18 additional credits in interdepartmental requirements. University-wide General Education requirements must also be met.

Speech Requirements (45 credits)

SPE 104	The Art of Communication
SPE 106	The Study of Voice and Speech Production
SPE 110	Oral Communication in the Professional World
<i>OR</i>	
SPE 112	Public Speaking
SPE 138	Sound and the Auditory Mechanism
SPE 140	Anatomy and Physiology of the Speech Mechanism
SPE 142	Phonetics
SPE 144	Development of Speech and Language
SPE 350	Speech Language Disorders I
SPE 351	Speech Language Disorders II
SPE 352	Clinical Audiology
SPE 353	Rehabilitation of Hearing
SPE 355	Observation of Speech and Hearing Rehabilitation and Diagnostic Evaluations
SPE 356	Clinical Practice in Speech and Hearing: A
SPE 357	Clinical Practice in Speech and Hearing: B
SPE 400	Current Issues in Speech-Language Pathology and Audiology
SPE 410	Language-based Learning Disabilities in Children

Biology Requirements (8 credits)

BIO 203	The Human Body: Scientific Perspectives on Structure and Function I
BIO 204	The Human Body: Scientific Perspectives on Structure and Function II

Interdepartmental Course Requirements

(18 credits)

PSY 101	General Psychology
PSY 115	Developmental Psychology
<i>OR</i>	
EST 221	Processes of Learning; Birth–Grade 8
PSY 137	Psychological Statistics
<i>OR</i>	
MTH 113	Survey of Statistics
LIN 103	Descriptive and Historical Linguistics
ENG 107	Art and Craft of Writing
ENG 108	Writing About Literature
<i>OR</i>	
ENG 110	Writing About Society

Elective Course Work

Students interested in academic course work leading to certification as a Teacher of Students with Speech and Language Disabilities (TSSLD) can elect to enroll in the following courses:

SPE 561	Speech Language Pathology in the Schools
EDU 304	Community, School, and Society
HED 610	Health Education Training for Teachers

Bilingual Extension Certification. An elective in multicultural issues (ANT 514 or SPA 531) is also recommended for students pursuing the bilingual extension certification.

New York State Certification Requirements

Mary Ellen Williamson, *Senior Coordinator of Certification and Student Records*

Students completing a New York State registered teacher education program should apply for certification through Adelphi University using the application for Institutional Recommendation. Applications for certification are completed in the semester prior to graduation and may be obtained through the School of Education offices or the Office of the Registrar in Levermore Hall, lower level.

All teacher certification candidates recommended by Adelphi University for New York State certification must successfully complete the degree program requirements, including any deficiencies in the liberal arts and sciences; and student teaching. Art Education students are required to take HED 610 Health Education Training for Teachers (1 credit). STEP students must complete HED 571, Health Issues for the Educator or HED 607, Health Education Training for Children and Adolescents. All teaching certification candidates must take and pass the New York State Teachers Certification Examinations (NYSTCE) required for their particular area of certification.

Effective July 1, 2001, legislation requires all prospective school district employees and all individuals who apply to the New York State Education Department for certification to be fingerprinted for a criminal history background check in order to be cleared for employment or certification.

Please note: Although you may already hold a valid certificate in another teaching area, the necessary parts of the NYSTCE are now required for all applicants seeking certification in an additional area. Also, only U.S. citizens can obtain permanent certification and only those who file a Declaration of Intention may be issued provisional

certificates. For the most updated requirements you may contact the New York State Education Department at <http://www.nysed.gov/tcert/homepage.htm>.

New York State Teacher Certification Examinations (NYSTCE) registration bulletins are available in all School of Education offices and the Office of the Registrar. The purpose of these bulletins is to provide general information concerning preparation for tests, test registration, registering for alternative testing arrangements, dates of test, score reports and forms.

Supervised Clinical Experience

Francine Mills, *Director, Office of School and Community Partnerships*

A supervised clinical experience, consisting of either student teaching or a practicum for teachers who are currently in the field, is provided for students completing their certification programs. Each experience is a full-time, day-time responsibility and includes a weekly seminar at Adelphi University. Specific course prerequisites for student teaching or the practicum vary in each program and are listed in the course description section of this *Bulletin*. General requirements include a satisfactory health examination, a satisfactory speech and hearing evaluation, acceptable academic and personal qualifications, satisfactory faculty recommendations, and a satisfactory student teaching portfolio. Education Studies students must take the Liberal Arts and Sciences Test (LAST) and ATS-W examination prior to student teaching. Adolescent Education majors must take the Content Specialty Test in addition to the LAST. In general, students may not apply for the clinical experience until their final semester of study. Undergraduate students must have a 2.75 overall GPA and 3.0 in education courses to be eligible to student teach.

Applications for the clinical experience must be filed by June 15 for the following spring

semester and February 15 for the following fall semester. Information pertaining to the clinical experience, including applications and details about the portfolio, may be obtained through the Office of School and Community Partnerships.

Independent Study

Approval for independent study will be granted by the Dean of the School of Education.

Waiver of Academic Regulations

Undergraduate students may petition the Dean of the School for the waiver of an academic regulation of the School of Education.

Graduate Courses for Undergraduate or Graduate Credit

Undergraduate students in their junior or senior year may take 500 and 600 level courses for undergraduate credit toward their bachelor's degree with adviser's approval or, with permission from the program chair, for graduate credit (courses for graduate credit will not count toward bachelor's degree).

Regional Labor Market

Students are advised to go to the New York State Department of Labor Web site (<http://www.labor.state.ny.us/html/>) where they can find useful information regarding occupational projections for New York State and Regions in New York State as well as wage information (annual average employment and wages for New York State and hourly rates from the Occupational Employment Survey for New York State and regions). Students interested in working in the New York City area, can call or write the Labor Market Analyst in charge of the Bronx, Kings, Queens, Richmond and New York district: James Brown, NYS Department of Labor, Research and Statistics Division, PO Box 669, Mail Stop 8D, New York, NY 10014-0669, (212) 352-6666.

Students interested in working in the Nassau/Suffolk area, are encouraged to call or write to the Labor Market Analyst in charge of the Nassau and Suffolk districts: Gary Huth, NYS Department of Labor, Research and Statistics Division, 303 W. Old Country Road, Hicksville, New York 11801, (516) 934-8559.

COURSES OF INSTRUCTION

SCHOOL OF EDUCATION

ART EDUCATION

EAR 203 Introduction to Art Education 3 credits

This course serves as a basic orientation to the field. The role of the arts within the broader context of the history of education will be examined as well as current issues related to educational policy, research, and practice. Students will be challenged to reflect upon their own assumptions about the role of artistic experience within early childhood, childhood, and adolescent education.

EAR 220 Artistic Development: Early Childhood through Adolescence 3 credits

This course will examine artistic development from infancy through adolescence with an emphasis on how sound art education can support, enrich, and nurture cognitive, emotional, and social development and enhance general education as well as art education. Classic and contemporary theories in the field of educational psychology and art education will be examined, and students will be encouraged to engage in small field-based inquiries related to topics discussed.

EAR 510 Instruction and Assessment in the Visual Arts 3 credits

Prerequisites: EAR 203, 220 and EST 221, 222, 305

This course introduces art education students to the creation of developmentally appropriate lesson plans in a variety of visual arts media for grades Pre-K–12. Topics such as assessment and the New York State Learning Standards in the Arts will be addressed. Students are required to complete 30 hours of fieldwork in Pre-K–12 schools.

EAR 525 Establishing the Role of the Arts and Education: The Historical and Philosophical Foundation of Art Education 3 credits

Prerequisites: EAR 203, 220 and EST 221, 222 (should be taken in senior year).

This course examines the nature of aesthetic experience as a unique and powerful way of knowing the self and the world. It attempts to uncover the connection between art and education and help prospective art educators articulate a rationale for the role of the arts in education across the lifespan.

EAR 540 Student Teaching in Art Education 6 credits

Prerequisites: All required education and art courses must be completed prior to the student teaching semester.

This course provides the capstone experience in the art edu-

cation program. Students are required to spend eight weeks in a Pre-K–6 setting and eight weeks in a 7–12 setting. The placement is full-time, five days a week for one semester. Students work with a cooperating art teacher and a supervising University art educator who teaches a reflective practice seminar one evening each week during the student teaching semester. Prospective student teachers must apply for their placement in the semester prior to student teaching. Information pertaining to application materials and deadlines is available through the Office of School and Community Partnerships. Prospective student teachers in art education should meet with the Chair of the Art Department to discuss portfolio requirements for the student teaching application.

SCHOLARS TEACHER EDUCATION PROGRAM (STEP)

EDO 511–518 Instruction and Assessment in Adolescent Education 3 credits

Prerequisites: EST 122 or PSY 116, EST 302, 304, 305.

These courses (511-English; 513-Mathematics; 517-Science; 518-Social Studies) introduce secondary education and special subject students to issues in curriculum and methods in the content area. These courses look specifically at the curriculum in each subject area and particular forms of pedagogical knowledge and methods appropriate to teaching in each subject. Where appropriate, integrative and interdisciplinary approaches across content areas are explored. Students are required to complete fieldwork in secondary schools.

EDU 530/531 Student Teaching in Adolescent/Childhood Education 6 credits

Student teaching application required. See prerequisites listed under Clinical Practice.

A 15-week student teaching experience, assessed via both a collaborative research project and a portfolio. This in-school experience allows future practitioners to apply and reflect upon the theoretical foundations of their profession. This experience constitutes the culmination of STEP, inviting students to integrate their academic and professional study with direct practice in schools and classrooms. Continuing the collaborative research process initiated in Educational Research and Field-Based Inquiry, the seminar is taught by a collaborative team of Adelphi faculty members. Students refine their research questions and field designs in consultation with their cooperating teachers. The students then work in their assigned schools, gathering data on their projects, teaching, and fully participating in the life of the school. Students have on-site and off-site opportunities to consult with school and university supervisors on the methodology and findings of their research projects, as well as on daily teaching experiences. During these activities, students are able to link theory, data, and practice in a way that provides insights into the teaching-learning process and the teacher-student relationship.

ELY 521 Literature for Young Adults 3 credits

This course is a critical study of literature and its integration in the middle and secondary school curriculum. Selected authors' and illustrators' works are read and criticized in light of psychological, sociological, historical, literary, and curricular factors. Students will explore ways to encourage young people in middle and secondary schools to read critically and appreciate a variety of literary works. The course examines important research in the field, and students will learn how to incorporate literature into content area curriculum via books, tapes, and films. Special attention is given to ways of facilitating recreational reading for students as well as incorporating literature into content area instruction. Required for all students in secondary education.

ELY 545 Children's Literature 3 credits

This course is a survey of children's literature. Students will be introduced to and read in a variety of genres; study authors; and examine the work of illustrators with an emphasis on selection criteria and implementation of interdisciplinary teaching and learning in the elementary classroom. An in-depth consideration of trends and issues in children's literature will be explored, including topics related to censorship, gender roles, violence, and political, cultural, and social themes. The expansion and development of children's language skills through engagement with quality literature will be emphasized.

ELY 603 Reading and Writing in the Middle and Secondary School 3 credits

This course is designed to introduce students to literacy teaching and learning in the middle and secondary schools. It examines issues of literacy in different subject areas and varied demands on readers and writers as the range of reading ability increases with older students. It will emphasize application of literacy development to special middle and secondary populations as to the literacy strategies utilized by all secondary students as part of subject area learning. The connection between reading and writing, the application of technology, and the use of various library and media resources will also be studied.

EST 102 Orientation Seminar 1 credit

Meets twice a month.

This 1-credit course brings the STEP freshman cohort together in a structured but informal context. Students have the opportunity not only to discuss academic issues but to develop a better understanding of the philosophy, intentions, and academic structures of STEP. By exploring their own educational experiences and conceptions, students grow in their understanding of the informative and transformative aspects of learning. The course also fosters a sense of community and identity that will carry the cohort through its master's degree studies. This course is team-taught in seminar fashion. Guest speakers include both practitioners and theoreticians representing multiple perspectives on the nature of learning, teaching, and education.

EST 221 Childhood Development 3 credits

Review of research and theory in child development from birth through age 12 as it relates to issues of curriculum, teaching, and learning. The course will address issues of atypical development, multicultural influences on development, and the effects of gender, ethnic, racial, and class differences on child development. Relationships between family, community, and school are addressed. Appropriate field experiences constitute part of this course.

EST 222 Adolescent Development 3 credits

Review of research and theory in child development from age 12 through age 18 as it relates to issues of curriculum, teaching, and learning. The course will address issues of atypical development, multicultural influences on development, and the effects of gender, ethnic, racial, and class differences on adolescent development. Relationships between family, community, and school are addressed. Appropriate field experiences constitute part of this course.

EST 302 Perspectives on Learning and Teaching 3 credits

Critical and reflective applications of psychological theories to the world of teaching are explored. Topics include the nature of learning and purpose of teaching; motivation; classroom management; and approaches to instruction and evaluation. Contexts of learning are explored including family and community contexts; linguistic and ethnic diversity; and teaching children with special needs. Appropriate field experiences are required, in which students gain experience with different aspects of teaching and learning in schools.

EST 304 Community, School, and Society 3 credits

This course examines the relationship between schools and society. Through an exploration of the social foundations of education, including the history, philosophy, politics, and sociology of education, students are introduced to the ways in which schools are related to larger societal institutions, including political-economy, family, media, religion, and the business community. Among the topics explored are: differences among urban, suburban and rural schools; the structure of the U.S. educational system; international and comparative approaches; issues relating to curriculum and pedagogy, including different types of curriculum, the effects of curriculum practices, and different types of pedagogic practices; issues relating to educational inequality, including understanding race, social class, ethnic and gender differences in educational achievement; and educational policy and reform, especially those designed to improve educational opportunity for low-income students.

EST 305 The Child with Special Needs *3 credits*

This course is designed to introduce prospective teachers to students with special needs. Topics include resources available for teachers, family involvement, referral and identification processes, Individual Education Plans, and a historical perspective on special education. The technology component will include computer-assisted IEP resources and adaptive communication. Appropriate field experiences constitute part of this course, including child study and participant observation in a resource room, inclusion class, or special education school.

EST 401 Teaching and Learning Literacy I *3 credits*
[Grades N–3]

This course addresses development of theoretical models and foundations for literacy instruction to the young and emergent reader from cognitive, developmental, and sociocultural perspectives. Topics include historical perspective on literacy; theory and practice of language acquisition, motivation; second language learning; and multicultural aspects of literacy. Instructional approaches including comprehension theory and practice; word building and vocabulary development; and fluency will be addressed.

EST 402 Teaching and Learning Social Studies 1–6*3 credits*

An introduction to curriculum and instruction in the social studies. Through an integrated curriculum approach, students are introduced to the major issues in social studies. The technology component will include graphic and visual organization tools for creating concept maps, webs, timelines, etc. Students are expected to develop integrated curriculum units that thematically tie together issues in history, sociology, politics, and anthropology with both literary and artistic resources.

EST 403 Teaching and Learning Mathematics 1–6*3 credits*

The development of mathematical thought happens through a complex relationship of the teacher's pedagogical skills, the child's cognitive and general development, and appropriate mathematical content. This course addresses these three components for the child in grades 1–6. The technology component will include data collection probes and graphing packages. In addition, state and professional standards, professional resources, equity and the integration of mathematics across content areas are introduced in the course.

EST 404 Teaching and Learning Science 1–6*3 credits*

This course is based on the content of science appropriate for grades 1–6, the inquiry and process skills used by students, and the methodology of science instruction. The technology component will include a robotics module and other appropriate science-related technologies. There is an emphasis on discourse, tasks, collaboration, constructivism, New York State Learning Standards, appropriate assessment, technology, and professional resources.

EST 405 Teaching and Learning Literacy 2
[Grades 4–6]*3 credits*

This course will help expand on theoretical models and selected topics from Literacy I and emphasize literacy learning and teaching in the upper elementary grades. Additional topics in literacy instruction for students in grades 4–6 will include balanced reading programs, reading and writing workshop approaches, adapting to special needs, evaluating literacy resources, literacy across the curriculum, literature-based approaches, the connection between reading and writing, and personal enrichment and social development through literacy. In addition, students will be introduced to theories of critical literacy that explore cultural and social class issues in literacy education.

EST 510 Visions and Practices in Middle School Education*3 credits*

This course will orient new and prospective educators to the philosophy, pedagogy, and organization of middle school teaching. Upon completion of the course, students will have a greater understanding of the nature and needs of the young adolescent learner in order to maximize the educational experience. Topics include content and performance standards for middle-level schools; teaching mixed ability groups; managing student behavior and communicating with parents; instructional strategies for young adolescents; interdisciplinary instruction and programming; teacher teams; and improving student achievement.

EST 533 Computer-Based Technology in Education*3 credits*

Topics in this production-based course will include 1) use, design, and construction of electronic databases; 2) basic skills with internet and web page construction; 3) desktop publishing and presentation graphics; 4) education production tools; 5) educational assessment tools; and 6) educational software. These components will emphasize the use of interface equipment including digital cameras, scanners, message pads, etc. Students must be able to use a word processor.

EST 571 Research I*3 credits*

This course introduces students to the logic of inquiry of educational research. Through an examination of both quantitative and qualitative research design and methods, students are able to understand educational research and to design their own research projects. The course will examine the ways in which social scientific research attempts to understand the independent effects of a series of variables on educational achievement and attainment. Students will learn to use qualitative and quantitative techniques to understand educational processes and outcomes. Students will design an original research project to be implemented in the School Based Research course.

EST 572 Assessment*3 credits*

This course provides an understanding of traditional and alternative forms of assessment and testing to shed light on the appropriateness of different assessment approaches. The technology component will include computer-assisted assessment tools, electronic portfolios, and hand-held data collection systems. Students discuss and reflect on the curricular and political dimensions of traditional grading. Students will explore the nature of curriculum and student assessment in regular and special education.

EST 574 Aesthetics*3 credits*

This course enhances student understanding of the importance of aesthetic experience in the educational process. It explores aesthetic education in relation to models of intelligence, child growth and development, educational philosophy, curriculum design, and classroom instruction. The technology component includes computer-based tools for music and art. Students work on the infusion of aesthetic theory into their pedagogical practice. The course will include field experiences.

EST 575 Research II*3 credits*

This course provides students with the opportunity to implement original research designs within a school setting. Students will spend the semester in one or more schools (or districts) conducting research and analyzing findings. Students will complete a major research paper and present their findings in a public forum.

**EST 576 Master's Seminar
Philosophy of Teaching***3 credits*

The purpose of this course is to philosophically reflect on and analyze the basic assumptions that underlie and influence educational policy and practice. Drawing on previous study of learning, human development, teaching, and the exploration of the interconnection between schools and society, this course furthers the student's understanding of the child, family, schooling, culture, and society nexus by examining its philosophical dimensions. The course addresses such basic questions as the nature of knowledge, ethics, aesthetics, freedom, equality, diversity, justice, democracy, being, rationality, compassion, and mindfulness. These philosophical notions are examined in relation to the broad aims and varied curricular and pedagogical approaches employed in today's schools, including the rights and responsibilities of all parties to the educational event. This course is taken concurrently with the student teaching experience, providing a potent means of integrating theory and practice. It thereby lays a foundation for students to become reflective and critical practitioners throughout their professional careers.

**EST 636, 638 STEP Internship
Elementary I, II***4 credits, 2 credits*

This two-semester course is available upon application to STEP fifth-year students in the Adelphi Internship Program. Following successful completion of their first semester of student teaching, students become interns in the respective local elementary schools. Students are observed in their classroom by both mentor teachers in the school and University supervisors. Students are required to attend weekly reflective, inquiry seminars discussing general and specific pedagogical issues.

**EST 637, 639 STEP Internship
Secondary I, II***4 credits, 2 credits*

This two-semester course is available upon application to STEP fifth-year students in the Adelphi Internship Program. Following successful completion of their first semester of student teaching, students become interns in the respective local secondary schools. Students are observed in their classroom by both mentor teachers in the school and University supervisors. Students are required to attend weekly reflective and thematic seminars discussing general and specific pedagogical issues.

HEALTH STUDIES

HED 370 Coping with Psychosocial Health Issues *3 credits*

Students will examine psychosocial health theory and the psychosocial factors that can affect the health of individuals and society.

HED 372 Human Sexuality *3 credits*

Investigates health issues in society. The purpose of the course is to enhance, correct misconceptions, and promote more rewarding interpersonal relationships.

HED 373 Essentials of Healthful Living *3 credits*

Assists students in increasing their knowledge of basic issues in health and in developing values, attitudes, and behaviors conducive to a healthier lifestyle.

HED 375 Issues in Consumer Health *3 credits*

The goal of the course is to encourage and help students become better consumers by providing them with the information and skills necessary to make better use of the health care system.

HED 501 The Dynamics of Substance Abuse *3 credits*

Examines the problem of substance abuse by studying its psychological, legal, and pharmacological aspects. Various methods of prevention and rehabilitation will be explored.

HED 504 Comprehensive Health Education for Secondary School Teachers *3 credits*

This course is designed to prepare secondary level educators with the skills and knowledge necessary to develop and teach a comprehensive health education program. The course will address New York State Standards.

HED 505 Multidimensional Aspects of Stress *3 credits*

Investigation of theoretical and practical aspects of human stress and stress management. Using a multidimensional model of health and an experiential approach to learning, students will analyze stress from both a professional and personal perspective.

HED 506 Health and Nutrition *3 credits*

Students will examine recent nutritional theory and information as they impact on the health of the individual in society. Topics will include nutritional needs throughout the life cycle, common eating disorders, the relationship between dietary patterns and disease; the relationship between culture, lifestyle and nutrition; and nutrition and education methods.

HED 520 Special Topics *3 credits*

An in-depth examination and analysis of a specific health issue. Topics chosen will change periodically to reflect contemporary concerns.

HED 537 Student Teaching in Health *3 credits*

Students are required to spend 7–8 weeks in a health educa-

tion setting. The placement is full time, five days a week.

HED 571 Health Issues for Elementary School Educators *3 credits*

Study of the cognitive issues and educational methods in health education appropriate for the elementary classroom teacher. Course work in drug education and child abuse will satisfy NYS Certification mandates for elementary teachers. New York State Standards will be included.

PHYSICAL EDUCATION

EDU 340 Curriculum and Teaching *3 credits*

Physical education majors only. An introduction to general approaches to curriculum theory and design and to instructional methods. Through an examination of the nature of curriculum across disciplines, interdisciplinary approaches to curriculum design, the construction of lesson plans and unit plans, and various methodological strategies, students are introduced to the most significant aspects of classroom organization and practice. Strategies addressed include the art of questioning and the integration of critical thinking into teaching. Emphasis is placed on different models of curriculum design, planning, and teaching. Special attention is given to a multicultural curriculum, as well as methods of assessment, including alternative assessment. Twenty hours of field placement in an elementary or secondary school are required.

EDU 516 Curriculum and Methods of Instruction in Physical Education *3 credits*

The course encourages a reflective approach to teaching and curriculum design in physical education. Special attention is given to the identification and adoption of appropriate teaching behaviors related to effective teaching research as applied to the New York State Standards. Critical to the process of developing effective teaching behaviors is time devoted to planning, implementing and refining curricular components with a reflective and integrative approach.

PED 100 Principles of Health and Physical Education *3 credits*

Overview of the field of physical education. Purposes and principles of physical education are examined; preliminary evaluation of various movement abilities are determined and analyzed. In addition, visitations are made to school environments with student participation invited.

Methodology Courses *1–2 credits*

Methods of teaching various specialized courses. It is assumed that one has fulfilled beginning level competencies prior to enrollment. (Currently under review.)

PED 210 Tumbling Methods**PED 220 Aquatics Methods****PED 230 Track and Field Methods****PED 237 Group Games Methods****PED 242 Tennis Methods****PED 244 Badminton Methods****PED 250 Lifetime Activities****PED 261 Field Hockey Methods****PED 263 Lacrosse Methods****PED 266 Soccer Methods****PED 268 Basketball Methods****PED 269 Volleyball Methods****PED 285 Rhythmic Movement Fundamentals**

PED 290 Technology in Health and Physical Education *3 credits*
Overview of computer applications and software related to health and physical education.

PED 315 Motor Development *3 credits*
This course is an introduction to the study of motor development. The purpose is to provide the student with the knowledge base to understand motor skill development across the lifespan. The course examines the dynamic interaction between cognitive, social, and perceptual motor development in the overall motor development of children. Emphasis is placed on observing and analyzing the movement behavior and performance of children with application to developmentally appropriate movement experiences.

PED 370 Aspects of Coaching *3 credits*
A study of various techniques, efficiencies and conditions for successful coaching. Investigation into the problems involved in assisting athletes toward development of individual potentials.

PED 375 Social Issues in Physical Education and Sport *3 credits*
Sport and physical activity as forms of human expression that reflect the current value structure. Topics include: value of American sport, sport and nationalism, sport and physical education as socializing agents, alternative sport models, violence in sport.

PED 376 Social Structure, the Body and Sport: Explaining Cultural Change *3 credits*
This course uses the issues of the body and sport in society to explore social stratification (e.g., social class, gender, and race). We discuss how bodies are not only biological entities, but also socially defined by different groups in their quest for social power. These insights lead to an examination of social change from different theoretical perspectives (e.g., pluralism, critical theory, and Bourdieu's cultural theory).

PED 380 Physical Education in the Elementary School *3 credits*
An overview of elementary physical education, grades 1–6. Specific techniques, methods and materials, in addition to field experiences in public schools.

PED 461 Kinesiology *3 credits*
Prerequisites: BIO 203 and 204.
An analysis of the skeletal, muscular, and nervous systems provides the basis for understanding human movements and, in particular, movement in various sports skills and dance forms. Mechanical principles underlying movement and their relationship to the performance of skills.

PED 463 Physiology of Exercise *3 credits*
Prerequisites: BIO 203 and 204.
The effects of exercise upon the functioning of the various systems of the body and the relationship of exercise to health and fitness.

PED 464 Clinical Training *3–6 credits*
Prerequisite: Permission of instructor.
Observation and fieldwork in the various therapies, including corrective therapy, recreation therapy, and dance therapy.

PED 467 First Aid and Injury Control *3 credits*
Emergency first aid and CPR procedures. Certification in both.

PED 468 Sports Medicine *3 credits*
Application of theoretical concepts in exercise physiology to teaching and coaching. Review of literature in sports medicine, including heart attack and rehabilitation, drugs and physical performance, conditioning and training, injuries, work in the heat, nutrition, and weight control in sport. Applicable to coaches, nurses, and premed students.

PED 469 Adapted Physical Education *3 credits*
Characteristics and needs of the atypical. Program development and modifications in equipment and facilities. Field experiences at community agencies and schools.

PED 470 Health and Fitness *3 credits*
Methods and materials to prepare students to teach comprehensive health related fitness, including concepts relative to fitness, diet and weight control, and integration with wellness components leading towards development of an active lifestyle.

PED 472 Techniques of Athletic Training 3 credits
Diagnosis, treatment, and prevention of athletic injuries. Appropriate training techniques are examined; including electrotherapy, hydrotherapy, cryotherapy, taping, and massage. Laboratory experience required.

PED 488 Practicum in Teaching 2 credits
Opportunity for fieldwork in teaching. Pre-student teaching.

PED 490 Topics in Physical Education 3 credits
Selected topics in sport studies, recreation, and physical education. Therapy and sports medicine are also included.

PED 491 Independent Study 1–3 credits

PED 492 Practicum, Teaching, Fitness Leader, or Coaching 1–3 credits
Opportunity for field experiences in the area of teaching or coaching. Permission of the department.

PED 495 Methodological Foundations of Physical Activity 3 credits
May be taken for credit more than once.
Allows the student to acquire teaching competence in a wide variety of sports, games, and movement skills.

PED 505 Professional Seminar 3 credits
Contemporary trends and issues in physical education, exercise, and sport. Literature review and analysis of issues from a variety of perspectives. Issues relative to pedagogical, sociological, and physiological parameters will be presented in a seminar format. The course is viewed as a culminating experience for those pursuing the study of physical education.

PED 536 Student Teaching in Physical Education 6 credits
Prerequisite: Department approval.
This course provides the capstone experience in the physical education teachers program. Students are required to spend eight weeks in a K–6 setting and eight weeks in a 7–12 setting. The placement is full time, five days per week. Students work with a cooperating teacher, who is chosen by the school and the University, and a supervising professor from the University.

Physical Education Skills 1–2 credits
(Activities open to all students.)
Students have an opportunity to choose from a variety of activity courses designed to introduce them to a new sport or lifetime skills. The activities carry 1 credit for semester's work and 2 credits for the full semester.

PES 100 Beginning Swimming

PES 110 Beginning Tennis

PES 120 Conditioning and Weight Control

PES 121 Slimnastics

PES 130 Karate

PES 135 Personal Defense

PES 138 Tai Chi Chuan

PES 150 Golf

PES 152 Bowling

PES 154 Fencing

PES 200 Personalized Fitness

PES 206 Sailing

PES 210 Intermediate Tennis

PES 225 Weight Training

PES 227 Intermediate Weight Training

PES 228 Aerobics

PES 235 Intermediate Personal Defense

PES 254 Intermediate Fencing

PES 304 Scuba

COMMUNICATION SCIENCES AND DISORDERS

SPE 104 The Art of Communication 3 credits
This course is an overview of the speech and language components that facilitate effective communication. Students will be given the opportunity to analyze and improve their own speaking skills. Emphasis will be placed on interpersonal communication, including aspects of gender and cultural diversity.

SPE 106 The Study of Voice and Speech Production 3 credits
Corequisite: SPE 140.

Acquisition of depth and breadth of background in the related sciences of acoustics, neurology, anatomy, physiology, phonetics, and psychology as applied to speech development and improvement. Attention is given to the student's own voice and speech development. Readings from voice and speech science.

SPE 110 Oral Communication in the Professional World 3 credits
The purpose of this course is to give students strategies and techniques to facilitate communication in professional situations. Curriculum includes developing skills for conducting meetings, the interview process, persuasion, and delivery of information.

SPE 111 Conference Leadership and the Group Process 3 credits
Designed especially for those entering the professions and business, the course addresses both conference leadership and democratic group participation. Committees of students structure both formal and informal discussions. Individual projects include reports and demonstrations.

SPE 112 Public Speaking 3 credits

Advanced theory and practice in organization, oral style, and presentation of formal speaking. Persuasion, argumentation, and debate are emphasized.

SPE 120 Oral Interpretation 3 credits

Interpretation and performance of literary forms such as poetry, prose, and drama for emotional and aesthetic appeal.

SPE 138 Sound and the Auditory Mechanism 3 credits

Prerequisites or corequisites: BIO 203 and 204.

Basic acoustics, anatomy, and physiology of the auditory mechanism and theories of hearing are studied. Included in the course are laboratory sessions to provide demonstrations with appropriate instrumentation.

SPE 140 Anatomy and Physiology of the Speech Mechanism 3 credits

Prerequisites or corequisites: BIO 203 and 204.

Anatomical and physiological bases of voice and speech production. Topics include the interaction of respiration, phonation, articulation, and resonance; neural control of speech; cerebral organization of language; and feedback systems of speech production.

SPE 142 Phonetics 3 credits

Prerequisites: SPE 104 and 140, BIO 203 and 204.

An examination of the production and perception of speech. Emphasis is placed on acoustic, physiologic, and kinesiological approaches to the study of phonetics. Transcription training using the International Phonetic Alphabet and practical experience in acoustic speech analysis are provided.

SPE 144 Development of Speech and Language 3 credits

Study of the acquisition of speech and language in the normal child and the evolution of the processes of phonology, syntax, semantics, pragmatics and metalinguistics. Theories of language acquisition and methods of assessing language behavior are discussed, as well as issues related to cultural/linguistic diversity.

SPE 350 Speech-Language Pathology I 3 credits

Prerequisites: Required freshman and sophomore courses.

Corequisite: SPH 355.

A survey of current professional and clinical problems in SLP. Emphasis is placed on the description, classification, and etiology of functional communication disorders and on the rationale for assessment and treatment procedures.

SPE 351 Speech-Language Pathology II 3 credits

Prerequisites: Required freshman and sophomore courses.

This survey course will introduce students to the theoretical foundations of organically-based communication disorders: aphasia, motor speech, fluency, voice, cleft palate. Principles of diagnosis and treatment will be outlined.

SPE 352 Clinical Audiology 3 credits

Prerequisite or corequisite: SPE 138.

Fundamentals of hearing problems and the measurement of hearing. The student has an opportunity to observe and administer standard clinical audiological tests. Different diagnostic tests of various disorders of hearing are demonstrated. Minimum of 10 clock hours of clinical practice in audiometric screening.

SPE 353 Rehabilitation of Hearing 3 credits

Prerequisites: SPE 138 and 352.

Theoretical, historical, and clinical approaches to hearing aid evaluations, auditory training, and speech reading for children and adults. Minimum of 15 clock hours in speech and hearing screenings at schools and on the department mobile unit.

SPE 355 Observation of Speech and Hearing Rehabilitation and Diagnostic Evaluations 3 credits

Prerequisite: SPE 144. Corequisite: SPE 350.

Twenty-five clock hours of diagnostic and therapy observations. Weekly seminar participation to discuss theoretical and clinical implications of observations; training in report writing; special emphasis on therapy plan writing.

SPE 356 Clinical Practice in Speech and Hearing: A 2 credits

Prerequisites: All freshman and sophomore courses and SPE 350, and 355.

Grade of B or above required to pass course.

Supervised clinical practice in Adelphi's Hy Weinberg Center for Communication Disorders. Weekly discussions and demonstrations of client problems and therapeutic issues.

SPE 357 Clinical Practice in Speech and Hearing: B 1 credit

Prerequisite: SPE 356.

Grade of B or above required to pass course.

Supervised clinical practice in Adelphi's Hy Weinberg Center for Communication Disorders. Weekly discussions and demonstrations of client problems and therapeutic issues.

SPE 400 Current Issues in Speech-Language Pathology and Audiology 3 credits

Open to seniors only.

This senior seminar focuses on current issues in communication disorders. Topics include inclusion, literacy, technology, and other timely professional and clinical issues. Field-based learning in a variety of settings is arranged.

SPE 410 Language-based Learning Disabilities in Children 3 credits

Open to seniors only.

The study of language problems in children with particular emphasis on those language deficits related to learning disabilities. Discussion of the nature of these problems, current trends in identification and diagnosis, and strategies for remediation.

SPE 490 Independent Study 2–3 credits
By advisement.

SPE 521 Beginning Sign Language 3 credits
Open to seniors only.

Emphasis is on the development and expansion of receptive and expressive American Sign Language skills and finger-spelling. Deaf culture issues will be emphasized. Placement in courses other than beginning will depend on satisfying completion of the previous course or permission of the instructor.

SPE 522 Intermediate Sign Language 3 credits
Prerequisite: SPE 521, or permission of instructor.

Advanced practice and use of manual sign beyond the introductory level.

SPH 561 Speech-Language Pathology and Audiology in a School Setting 3 credits

This course will focus on the varied roles of the Speech-Language Pathologist/Teacher of Student with Speech and Language Disabilities in a school setting. Course content will include an overview of the educational system, models of education (e.g., charter schools, BOCES), federal special education legislation and New York School standards, characteristics of learners with disabilities, models of service delivery (e.g., inclusion, push-in, pull-out), collaboration, screening/testing, IEP and curricula development, current issues and classroom management.

VII

SCHOOL OF
NURSING

School of Nursing

Alumnae Hall 220

Marilyn Klainberg, *Interim Dean*

Email: klainberg@adelphi.edu

Marilyn Klainberg, *Associate Dean for*

Undergraduate Studies

Barbara Dasque, *Coordinator of Clinical and*

Community Affairs

Patty Garafola, *Coordinator of Resource Center*

Directors

Judith Ackerhalt, *Director of Nurse*

Administration Programs

Stefni Bogard, *Director of Nurse Practitioner*

(NP) Programs

Marilyn Klainberg, *Director of RN Programs*

Professors

Elaine Pasquali

Catherine Windwer

Caryle G. Wolahan

Associate Professors

Judith Ackerhalt

Marilyn Klainberg

Marybeth Ryan

Arlene Trolman

Assistant Professors

Sue Greenfield

Teresa Mascitti

Margaret Silver

Regina Tracy

Jean Winter

Clinical Assistant

Professor

Stefni Bogard

Professional Philosophy

The mission of the Adelphi University School of Nursing is to educate nurses who will be influential in the transformation of health care in the 21st century. As a constituent of the University, the School of Nursing is committed to the study of liberal arts, sciences, and nursing.

The scope of professional nursing requires specialized knowledge and skills, based on theory, research, and practice. Nurses are accountable to clients, society, and the profession for the quality of care provided. The curriculum is

planned to allow students to build progressively on knowledge previously gained and to develop skills at advancing levels of practice. Baccalaureate education in nursing is the foundation for professional practice.

Educational Strategy

The goal of nursing is to address human needs for the promotion, restoration, and maintenance of health, as well as provision of dignity at the end of life. Human beings—individually and as members of families, groups, and communities—are the focus of the profession. In keeping with these principles, the School of Nursing teaches the fundamental value of all people and their potential for being and becoming throughout their lives. Nursing students at Adelphi learn to be accountable to clients, society, and the profession for the quality of care they provide. They also learn that health-related behavior is an individual choice and that health is individually and culturally defined. Respect for self-determination and awareness of cultural diversity are integral to the curriculum.

Programs of Study

The baccalaureate program in nursing provides the background for entry as a generalist into the profession and for graduate education. Master's education (which is also offered by the School of Nursing) is essential for roles in advanced nursing practice, education, and management, and provides the foundation for doctoral education.

The School of Nursing's baccalaureate program offers two curricula. One, the basic curriculum, leads to a Bachelor of Science from the University and eligibility to take the New York State licensing examination to become a Registered Professional Nurse. The other curriculum is for registered nurses from associate degree or diploma programs who wish to continue their education toward the goal of earning the Bachelor of Science degree.

The curricula of the School of Nursing are registered by the New York State Education Department, Division of Professional Education, are accredited by the National League for Nursing Accrediting Commission (61 Broadway, New York, New York, 10006, (212) 363-5555): The baccalaureate nursing program is also accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC. 20036-1120, (202) 887-6791. The School holds membership in the Council of Baccalaureate and Higher Degree Programs in the National League for Nursing, the American Association of Colleges of Nursing, and the Commission on Collegiate Nursing Education.

The Undergraduate Basic Curriculum

The basic nursing curriculum consists of a planned progression of courses that build upon previous knowledge and develop skills at increasing levels of competence. The lower division nursing and science courses are pre-requisite to the junior-level nursing courses. Throughout the curriculum, concepts relating to the promotion of health, care during illness, and long term care are developed. Also emphasized are the nurse's roles in research, advocacy, teaching, change, and management.

The four-year sequence of nursing and science courses (the generic undergraduate nursing curriculum) is as follows:

First Year

Fall (14 credits)

General Education Requirements

BIO 203 The Human Body: Scientific Perspectives on Structure and Function I (Math and Science Distribution)

Spring (14 credits)

General Education Requirements

BIO 204 The Human Body: Scientific Perspectives on Structure and Function II (Math and Science Distribution)

BIO 208 Microbiology
MTH 113 Survey of Statistics
(2nd Competency)

Second Year

Fall (16 credits)

General Education Requirements

NUR 255 Wellness Through the Lifespan
NUR 275 Communication in Nursing
CHE 107 Essentials of Chemistry

Spring (17 credits)

General Education Requirements

NUR 265 Nutrition in Nursing:
A Holistic Approach
NUR 285 Human Assessment:
A Holistic Approach
NUR 295 Introduction to Holistic
Clinical Practice
CHE 108 Essentials of Chemistry

Third Year

Fall (16 credits)

General Education Requirements

NUR 300 Pharmacology
NUR 365 Alterations in Holistic
Integrity of the Childbearing
Family
NUR 375 Alterations in Physiological
Integrity I: A Holistic
Approach

Spring (17 credits)

General Education Requirements

NUR 385 Alterations in Holistic
Integrity of Children
NUR 455 Alterations in Physiological
Integrity II: A Holistic
Approach

Elective

Fourth Year*Fall* (15 credits)

General Education Requirements

NUR 465 Alterations in Holistic
Integrity Managed in the
Community

NUR 485 Alterations in Mental Health:
A Holistic Approach

BFD 366 Organizational Behavior

Spring (15 credits)

NUR 400 Research in Nursing

NUR 498 Professionalism in the
Provision of Holistic Care

Electives

Undergraduate Registered Nurse Curriculum

Registered nurses enter Adelphi with a foundation of professional knowledge and skill. This program of study aims to deepen their expertise with study in the liberal arts and sciences and to extend it to encompass health promotion, long-term care, research, advocacy, teaching, change, and management.

Lower Division Curriculum

Registered nursing students admitted to the program take University General Education requirements, science, and nursing theory courses but may not enroll in the clinical nursing courses without completing the lower division requirements, which include the following:

Nursing Courses (28 credits)

A.S. or A.A.S. nursing courses or

Regents College Examinations

Required Courses (25 credits)

BIO 203, 204 The Human Body: Scientific
Perspectives on Structure and
Function I, II

BIO 208 Microbiology

CHE 107, 108 Essentials of Chemistry

MTH 113 Survey of Statistics

BFD 366 Organizational Behavior

Upper Division Nursing Curriculum**Third Year** (14 credits)

NUR 301 Theory in Nursing

NUR 312 Health Assessment
Throughout the Lifespan
(Laboratory)

NUR 314 Family/Group/Community
Assessment

NUR 315 Therapeutic Communication

Fourth Year (16 credits)

NUR 400 Research in Nursing

NUR 413 Promoting Wellness

NUR 421 Teaching in Nursing Practice

NUR 441 Professional Development:
Health Issues and Politics

NUR 453 Chronic Care

Step Ahead Program

The School of Nursing offers a One-Day R.N. to B.S. to M.S. program for registered nurses. The course offerings are designed to accommodate the schedules of working nurses and allow students to enroll full-time but attend classes only one day per week. Not only are courses offered on one day, they are offered at three different sites. Students may choose to earn their Adelphi University degree by attending classes at one site or three different sites. The Step Ahead program also provides an easy transition into the graduate nursing program. While an undergraduate, a student may take up to four graduate courses for undergraduate credit. At the completion of the Step Ahead program, students must apply for graduation. Students may then apply to the M.S. program.

Health Regulations for Nursing Majors

All students are required to meet the health regulations for students established by the School of Nursing. Annual physical examinations, including tuberculin testing, appropriate laboratory tests, and designated immunizations, are required of all nursing students. Cost of medical and health care is the responsibility of the student. Health forms are provided by the School of Nursing and must be submitted to the University Health Services before each fall semester. Failure to submit a health form will result in suspension from clinical laboratory experiences.

The requirements for health clearance are as follows:

Annual Physical
Annual Mantoux (with CXR if positive),
MMR Titers showing immunity
Tetanus within 10 years
Hepatitis B Vaccine Series or
Declination Statement
Varicella Titer

School of Nursing Learning Resource Center

The School of Nursing Learning Resource Center includes three learning laboratories and a computer laboratory. The learning laboratories, which simulate clinical settings, are used for regularly scheduled classes. Open laboratory skills sessions are held regularly with a clinical coordinator, providing all students with an opportunity for reinforcement of clinical learning.

Textbook, Uniform and Study Guide Expenses

Students can expect to spend between \$300 and \$400 per semester for the purchase of textbooks and School of Nursing Study Guides. Textbooks are also available at the reserve desk in the Swirbul Library. In addition, beginning in the student's sophomore year in the nursing program, students can expect to spend between

\$150 and \$300 for laboratory and clinical equipment and uniforms. The School of Nursing has an official student uniform. Students must purchase a sufficient number of uniforms to present a professional appearance in clinical settings.

Special Insurance for Nursing Majors

It is required that all students carry Adelphi University professional liability insurance, which is provided at low cost through a group policy.

Travel

Travel expenses and transportation related to clinical experiences are the responsibility of the student. Most clinical experiences require automobile travel.

Voice Mail

All nursing students are required to sign up for University Voice Mail.

Standard of Performance Required for Continuance in the School of Nursing

All students must successfully complete the required science courses and lower division nursing courses in order to progress to junior status in the nursing program.

The standard of performance required in the School of Nursing is C+ or higher in any nursing course. A grade of less than C+ (77%) in any nursing course is unacceptable for progression in the nursing major.

The final grade in any nursing course that includes a clinical component consists of two parts: Nursing Theory, which is letter graded, and Nursing Clinical Laboratory, which is graded Pass/Fail. The failure to attain a P in the clinical component will result in a grade of F for the entire course.

If an unsatisfactory grade is received in a course that includes both a nursing theory and a

nursing clinical laboratory component, both the theory and the clinical portions of the course must be repeated.

All nursing courses that include a clinical component require a drug calculation examination, the minimum passing score for which is 90%. Any student who fails to attain a score of 90% on the initial drug calculation examination in any clinical course will be offered the opportunity to take retests. Failure to achieve a passing grade by the date designated on the course syllabus will result in a grade of F for the course.

Students who receive a grade of C or lower in one nursing course will be placed on School of Nursing probation and given the opportunity to repeat the course in which the unacceptable grade was obtained. A course may be repeated only once. A concurrent or subsequent failure to earn a grade of C+ or higher in a nursing course will result in the student being dropped from the nursing major.

All science and nursing foundation courses are prerequisites to the clinical courses. All nursing courses must be taken in sequence. Any student earning an unacceptable grade in a nursing course must repeat and earn a satisfactory grade in that course before continuing in the nursing sequence.

Any student whose performance is deemed unsafe or who proves to be irresponsible, untrustworthy, unethical, or unprofessional will be dismissed from the nursing program.

Grades obtained in all non-nursing required courses will be reviewed at the end of each semester. The acceptable grade in all science courses is C+. A grade of less than C– in all other non-nursing courses is unacceptable. Students who earn an unsatisfactory grade in any non-nursing course will be placed on School of Nursing probation and given the opportunity to repeat the course until a satisfactory grade is achieved. Failure to obtain an acceptable grade in any non-nursing course may mean that the student cannot continue in the nursing

sequence. No required course may be taken Pass/Fail.

Honors in Nursing

Sigma Theta Tau International, Inc.
(*International Honor Society in Nursing*)

Junior and senior students who have achieved a 3.0 GPA on the undergraduate level may be considered for membership. Graduate students who have achieved a 3.5 GPA may be considered for membership. The purposes of this organization are to recognize superior scholarship and leadership qualities, foster high professional standards, encourage creative work, and strengthen commitment on the part of individuals to the ideals and purposes of the profession of nursing.

School of Nursing Honors

To be eligible for School of Nursing honors, a student must have completed 33 credits in nursing at Adelphi and have achieved a 3.5 in the nursing major and a 3.5 overall GPA.

School of Nursing Organizations

The School of Nursing Acting for Progress (SNAP) is an organization composed of students and faculty of the School of Nursing, formed to bring constituents together to consider and discuss problems, issues, and concerns. The organization serves to stimulate interest and involvement in professional and social issues and provides a conducive environment for informal socialization.

Independent Study

Students in the School of Nursing may take up to a total of 9 credits of individualized study toward the baccalaureate degree.

COURSES OF INSTRUCTION

SCHOOL OF NURSING

NUR 255 Wellness Across the Lifespan 3 credits *Generic Requirement.*

This course focuses on the study of wellness holistically, across the lifespan. Emphasis is placed on changes normally brought about by growth and development and the characteristics of coping that are natural in each phase of life. Health needs common to each age or stage of development and the measures utilized to promote health and prevent disease and disability will be explored. Wellness will be approached holistically in the context of bio-psycho-social-spiritual and cultural realms. The introduction of professional values is included.

NUR 265 Nutrition in Nursing: A Holistic Approach 2 credits *Generic Requirement.*

Grounded in a holistic framework, this course will focus on general concepts of nutrition in relation to the well-being of the client. This course will develop a basic comprehension of nutrition relevant to the food pyramid with an emphasis on the role of nutrients in the human body and health promotion through nutrition. The impact of culture, spirituality, and biological factors, as well as psychosocial, economic, and ethical considerations will be included in relation to the nutritional well-being of the client. Relevant and current research related to nutrition is included. The notion of food as pharmacy will be explored throughout. This course will foster understanding and strategies for promoting specific diets for individuals coping with pathology from prenatal development through death. Collaboration between the health care provider and the professional nutritional counselor will be included.

NUR 275 Communication in the Nursing Context 3 credits *Generic Requirement.* *Corequisite: NUR 255.* *Corequisites or Prerequisites: NUR 285 and 295.*

This course is designed to explore communication in the nursing profession from a holistic perspective. Seen as essential knowledge for the professional nurse, the role of communication in relation to clinical nursing practice, activities of professional membership, and the nurse's participation in the health care delivery system is examined. The course focuses on a theory base for understanding human communication and on skills needed for effective communication as a professional nurse.

NUR 285 Human Assessment: A Holistic Approach 4 credits *Generic Requirement.*

Prerequisite: BIO 203.

Prerequisites or corequisites: BIO 204, 208, NUR 275 and 295.

This course introduces the theoretical and laboratory components of a comprehensive, holistic nursing health assessment. Concepts and techniques necessary for gathering and analyzing data about the physical, psychosocial, cultural, and spiritual aspects of a client's state of wellness are emphasized. Comprehensive holistic nursing assessments will focus on clients from adolescence through late adulthood. The nursing process is introduced and the legal and ethical components of client interaction is introduced.

NUR 295 Introduction to Holistic Clinical Practice 6 credits *Generic Requirement.*

Prerequisite: BIO 203.

Prerequisites or corequisites: BIO 204, 208 and NUR 275.

This required course for baccalaureate nursing students introduces students to holistic clinical practice with emphasis on foundational nursing concepts and basic nursing skills necessary for practicing holistic nursing care. Students will learn concepts and skills designed to prevent complications and to promote optimal well-being in the client and family. Relevant research is incorporated and the legal and ethical components of client care are considered.

NUR 300 Pharmacology: A Holistic Approach 3 credits *Generic Requirement.*

Prerequisites: All required sciences and all 200-level nursing courses.

This required professional course is a study of the holistic nursing care of clients influenced by medications. Students will learn to apply bio-psycho-social-spiritual and cultural theoretical concepts and principles, using the nursing process, in order to provide rational, safe, and effective drug therapy for clients of all ages. Relevant research is incorporated and the legal and ethical components of drug therapy are considered.

NUR 301 Theory in Nursing* 3 credits *RN Requirement.*

Introduces students to the structure of the discipline of nursing. Ways of knowing are explored as ways to structure nursing knowledge. Selected theoretical and conceptual models and their application to nursing practice, research, and education are discussed.

NUR 312 Health Assessment Throughout the Life Span (Laboratory) 4 credits *RN Requirement.*

Examines health assessment based on theories and concepts of health and wellness as well as the variables that influence the health status of a consumer throughout the life cycle. Skills essential to health assessment are performed on consumers of various ages to formulate nursing diagnoses and health care plans.

*May be taken by RNs for undergraduate credit at the graduate level.

NUR 314 Family/Group/Community**Assessment**

4 credits

RN Requirement.

Prepares students to deliver nursing care oriented to health promotion and maintenance needs of families, groups, and communities. Systems theory is applied to consumer groups and to identification of functional and dysfunctional health patterns. Principles of epidemiology are identified and applied to primary, secondary, and tertiary nursing intervention with families, groups, and communities. Health promotion strategies of teaching, advocacy, consumerism, and health planning are explored.

NUR 315 Therapeutic Communication

3 credits

RN Requirement.

The skill of using communication therapeutically is taught by simulated experiences and by the study of theories and models of communication.

NUR 365 Alterations in Holistic Integrity of the Childbearing Family (Clinical)

6 credits

Generic Requirement.

Prerequisites: All required sciences and all 200-level nursing courses.

This required professional course for baccalaureate nursing students is an extensive study of the holistic nursing care of childbearing families. Students will learn and apply bio-psycho-social-spiritual, cultural and genetic theoretical concepts and principles, using the nursing process, to the care of clients during pregnancy, childbirth, the postpartum, and newborn periods. Emphasis is on nursing care designed to prevent and treat common complications and to promote optimal well-being. Relevant research is incorporated and the legal and ethical components of client care are considered.

NUR 375 Alterations in Physiological Integrity I: A Holistic Approach (Clinical)

5 credits

Generic Requirement.

Prerequisites: All required sciences and all 200-level nursing courses.

This required professional course for baccalaureate nursing students is the first part of an extensive study of the holistic nursing care for adult clients with alterations in physiological integrity. Students will learn and apply bio-psycho-social-spiritual and cultural theoretical concepts and principles, using the nursing process, in order to care for adult clients experiencing selected physiological alterations. Emphasis is on nursing care designed to prevent complications and to promote optimal well-being in the client and family. Relevant research is incorporated and the legal and ethical components of client care are considered.

NUR 385 Alterations of Holistic Integrity of Children (Clinical)

5 credits

Prerequisites: All required sciences, all 200-level nursing courses, NUR 375 and NUR 365.

This required professional course for baccalaureate nursing students is a study of holistic nursing care for children of varying ages with alterations in physiological integrity. Students will learn and apply bio-psycho-social-spiritual and cultural theoretical concepts and principles, using the nursing process, to the care for children experiencing selected alterations in physiological integrity. Emphasis is on age-related nursing care designed to prevent complications and to promote optimal well-being in the child and family. Relevant research is incorporated and the legal and ethical components of child care are considered.

NUR 400 Research in Nursing

3 credits

Prerequisites: All 300-level nursing courses and MTH 113.

Encourages a spirit of inquiry and critical thinking. Aims to produce an intelligent consumer of nursing research. By focusing on the research process, the course enables the student to critique and use nursing research.

NUR 413 Promoting Wellness

3 credits

RN Requirement.

Prerequisites: All 300-level nursing courses.

Focuses on assessment of individual and family health status throughout the life cycle. Health promotion and maintenance are stressed. Concepts related to family therapy, consumerism, and advocacy are addressed. Students learn such strategies for improving client health as risk assessment, stress management, nutritional counseling, and health teaching. Includes a clinical practicum.

NUR 421 Teaching in Nursing Practice*

4 credits

RN Requirement.

This course is designed to educate nurses in the principles and practice of teaching clients, families, groups, and ancillary personnel. Theories of learning and teaching are presented. Students apply these concepts to the clinical setting in which the student functions. The focus is on activities and strategies that promote learning and effect behavioral change. Students prepare and present a teaching plan for a designated population, and design and implement an individual client/family teaching project in a health care or community agency.

NUR 441 Professional Development: Health Issues and Politics*

3 credits

RN Requirement.

Prerequisites: All 300-level nursing courses.

Analyzes the social, political, and economic contexts of nursing. The course enables the student to evaluate trends and issues in nursing and nursing education, and their implications for the profession and society.

*May be taken by RNs for undergraduate credit at the graduate level.

NUR 453 Chronic Care

3 credits

*RN Requirement.**Prerequisites: NUR 314.*

This course focuses on assessment and evaluation of individuals and families in the restorative and rehabilitative phases of illness, disability, and chronic illnesses. Principles of family theory, health teaching, and research are used by the student, as are strategies of planned change, advocacy, collaboration, and referral. Knowledge of cultural patterns are integrated into understanding the coping and change processes. This course includes a clinical practicum.

NUR 455 Alterations in Physiological Integrity II:**A Holistic Approach (Clinical)**

6 credits

Prerequisites: All required sciences, all 200-level nursing courses, and NUR 375.

This required professional course for baccalaureate nursing students is the second part of an extensive study of holistic nursing care for clients with alterations in physiological integrity. Alterations in Physiological Integrity I: A Holistic Approach is a prerequisite. Students will learn and apply bio-psycho-social-spiritual and cultural theoretical concepts and principles, using the nursing process, in order to care for adult clients experiencing selected alterations in physiological integrity. Emphasis is on nursing care designed to prevent complications and to promote optimal well-being in the client and family. Relevant research is incorporated and the legal and ethical components of client care are considered.

NUR 465 Alterations in Holistic Integrity Managed in the Community (Clinical)

6 credits

*Prerequisites: All required science courses, all 300-level nursing courses, NUR 365, NUR 375, and NUR 385.**Prerequisites and/or corequisites: NUR 300, NUR 455, and NUR 485.*

Using a holistic approach, this course focuses on the study of community-based nursing care of individuals, families, aggregates, and people in community settings as part of the world confronted by common health problems. Epidemiology, in relationship to community and world settings and as a research instrument useful to all health workers, is a significant part of this course. Relationships of individuals in families and groups and as part of local and world communities are stressed. Emphasis will be placed on the client at home within the context of the family and the community. Within a holistic framework, students will acquire a greater understanding of the dynamics operating in families, groups and communities; students will also develop skills in the assessment and diagnosis of client health. Nursing care will include cultural, spiritual, psychosocial, economic, and biological aspects related to the client, whether they are families, groups, or communities.

NUR 485 Alterations in Mental Health:**A Holistic Approach (Clinical)**

6 credits

*Prerequisites: All required science courses and 200-level nursing courses.**Prerequisites or corequisites: NUR 300 and NUR 375.*

This course takes a holistic approach to alterations in mental health across the life span. Students will learn and apply bio-psycho-social-spiritual theoretical concepts and principles, using the nursing process, to the care of clients experiencing mental illness. Themes of mental health-mental illness as they affect individuals, groups, and communities will be explored. Nursing practice will involve multicultural client populations in hospitals, long-term care facilities, and/or other community agencies. Students will examine the perceptions and meanings clients ascribe to their illness experience within their cultural context. Relevant research, as well as legal and ethical components of client care, will be incorporated.

NUR 498 Professionalism in the Provision of Holistic Care

6 credits

*Prerequisites: All required science and nursing courses.**Corequisite: NUR 400.*

This 6-credit course has 3 credits of classroom theory, and a 3-credit clinical component.

The 3-credit theory course analyzes the social, economic, and political context in which professional nurses provide holistic care. The course draws on the historical development and patterns of nursing education and practice to examine current professional developments in nursing and to provide a bridge to the future. Discussion focuses on trends and issues, as well as on research and concepts of effective leadership and management that impact on the provision of holistic care. Students are assisted in integrating beliefs, ideas, and attitudes into a personal philosophy of professional nursing.

The 3-credit **clinical** component is a concentrated culminating practicum that involves assessing, planning, implementing, and evaluating holistic nursing care for individuals, families, and groups in selected health care agencies. Students, in collaboration with their academic advisers, meet to determine the clinical focus in placement for this internship. A diversity of clinical settings are utilized in a variety of geographic locations. The practicum also includes experience in leadership/case management as a member of an interdisciplinary health care team. Weekly group discussions related to student clinical experience are an essential element of this course is assisting students in their transition from student to graduate nurse.

VIII

SCHOOL OF
SOCIAL WORK

School of Social Work

Social Work Building 229

Email: spiro@adelphi.edu

Brooke E. Spiro, *Dean*

Maxine Lynn, *Assistant Dean for Academic Affairs*

Peter Chernack, *Assistant Dean for Field Education and Administration*

James B. Mullin, *Director, Undergraduate Social Welfare Program*

Eileen Chadwick, *Director, Hudson Valley Program*

Mary E. Remito, *Director, Manhattan Program*

Professors

Gertrude Goldberg

W. Cody Wilson

Visiting Professor

Martha Dore

Associate Professors

Richard Belson

Roni Berger

Ellen Bogolub

Carol S. Cohen

Roger Levin

Ellen Rosenberg

Louise Skolnik

Brooke E. Spiro

Carol Sussal

Assistant Professors

Julie Altman

Judy Fenster

Patricia A. Joyce

Diann Cameron Kelly

Francis Kombarakaran

Suzanne Michael

James B. Mullin

Elizabeth Palley

Philip A. Rozario

Herbert Schwarz

Regina Tracy

Clinical Assistant Professor

Godfrey Gregg

Visiting Assistant Professor

Alissa Mallow

The School of Social Work is accredited by the Council on Social Work Education at both the baccalaureate and master's levels.

Professional Philosophy

Social work is a profession that seeks to ameliorate human suffering. It is committed to social justice and to work for the resolution of social problems at the individual, group, and community levels. Guided by the National Association of Social Workers (NASW) code of ethics as well as its conviction that people have the potential to redirect their lives individually and collectively, it uses professional knowledge to bring about change that will result in a better quality of life for individuals and communities. This commitment is based upon the assumption that people, individually and collectively, are redeemable, and that strategies to enhance and restore a capacity for social functioning are both capable of discovery and teachable. Multidisciplinary knowledge gleaned from the arts and sciences is essential to the education of social workers, for the profession requires learned human beings who have been exposed to a breadth of ideas and information. Social work education is grounded in the belief that environmental influences affect the development and well-being of people and must be taken into account when assessing behavior and life situations.

Educational Strategy

Undergraduate social work education at Adelphi University applies the philosophy of the profession within a distinctive baccalaureate program. Graduates are prepared with the knowledge and skills necessary for generalist practice. They are educated to think, act, and work in a comprehensive, systematic manner, fulfilling the mission of the profession through the enhancement of individual potential and family functioning, and the development of constructive social policies, programs, and services. A sense of social responsibility is emphasized for the continuous improvement of people and their environments, and involvement in a wide spectrum of social concerns.

To respond to individual needs in changing times, the social worker must have a lifelong capacity to learn, along with the critical sensitivity to analyze new situations and apply knowledge appropriately. Believing that a liberal education is the surest means to these ends, the School of Social Work requires all entering freshmen to take part in the University General Education requirements.

Programs of Study

The School of Social Work offers a four-year social work program leading to a Bachelor of Social Work (B.S.W.). Students who do well in the program are eligible for the Advanced Standing Program which leads to the M.S.W. degree in one additional year.

Students interested in an evening model of baccalaureate education may seek to enroll in the ANSWER program (Adelphi's New Social Welfare Education Routes). Based at Adelphi's Manhattan Center in New York City, the program leads to the B.S.W. and is especially appropriate for students who are already employed in social service agencies.

The School of Social Work's baccalaureate and master's degree programs are fully accredited by the Council on Social Work Education (C.S.W.E.). The School also offers a Doctor of Social Welfare (D.S.W.) degree.

Social Work Program

The undergraduate social work program leads to a Bachelor of Social Work degree (B.S.W.), preparing students for generalist social work practice in the complex and varied social welfare and human services fields. Grounded in a rich and vigorous education in the liberal arts and sciences, the curriculum provides graduates with the professional knowledge, values, and skills needed to begin careers in social work. The curriculum emphasizes a generalist orientation, enabling graduates to practice their profession in a variety of areas. It also serves as

preparation for master's degree education for those graduates who wish to specialize further.

Though freshmen and sophomores may declare social work as their major, the social work program actually begins in the junior year, building on General Education and additional distribution requirements in the arts and sciences. Freshmen and sophomores considering the social work major are invited to discuss their career objectives with the director of the undergraduate program. All students considering the major are welcome to participate in the ongoing activities of the Undergraduate Social Welfare Council. In addition to special projects, speakers, and social events, a Peer Support program is conducted by students and faculty. In the spring semester of the sophomore year, with the advice of the program director, students apply to and are considered for admission to the social work program.

Degree Requirements for the Bachelor of Social Work (120 credits)

Students may declare social work as their major as freshmen or when transferring from another college. A formal application process for admission to the major is required of all students and must be processed by the undergraduate social work program located in the School of Social Work. Freshmen must apply in their sophomore year. Transfer students must first apply for admission to the University. Courses in the social work curriculum are generally taken beginning in the junior year and are one part of a cluster of required courses leading to the Bachelor of Social Work degree.

To earn a B.S.W., students are required to complete 120 credits. Thirty-five credits are in the University's General Education requirements; 45 in social welfare; 25 in liberal arts distribution requirements; and 15 in electives, which may be earned from liberal arts or social work courses. No social work course or liberal arts prerequisite credit is granted for life experience or previous work experience. Students with

an Associate of Arts (A.A.) or Associate of Science (A.S.) degree from an accredited U.S. institution are exempt from the University's General Education requirements. Other students, including those with an A.A.S. degree, must meet General Education requirements with an appropriate combination of specific transfer credits and courses taken at Adelphi. Admissions counselors can provide prospective students with additional details.

Liberal Arts Distribution Requirements

(21–22 credits)

Biology (Human)	BIO 203
Economics	ECO 101 or 111
History (American)	HIS 103 or 104
History (World)	HIS 101 or 102
Political Science	POL 101
Psychology	PSY 101
Sociology	SOC 100
Statistics	MTH 113, 114 or PSY 137

Note: In addition to courses listed, other courses taken at Adelphi or at other institutions may be accepted as equivalents, based upon the determination of the director of the undergraduate program.

Junior Year Social Work Requirements

(19 credits)

SWK 332	Principles and Practice in Social Work I
SWK 333	Principles and Practice in Social Work II
SWK 334	Field Instruction I
SWK 335	Field Instruction II
SWK 500	Issues in Social Welfare I: History and Philosophy of Social Welfare
SWK 510	Human Behavior Theory for Social Work Practice I
SWK ELECTIVE	

Senior Year Social Work Requirements

(26 credits)

SWK 501	Issues in Social Welfare II: Inequality, Inequity, and Social Justice
SWK 511	Human Behavior Theory for Social Work Practice II
SWK 520	Foundations of Social Work Practice I
SWK 521	Foundations of Social Work Practice II
SWK 542	Oppression, Diversity and the Struggle for Human Rights
SWK 557	Social Work Research I
SWK 590	Field Instruction III
SWK 591	Field Instruction IV

Social Welfare Electives

SWK 101	Introduction to Social Welfare and Human Services
SWK 305	Case Management
SWK 306	Introduction to Social Services with Children
*SWK 738	Social Work and the Law
*SWK 741	Child Abuse and Neglect
*SWK 788	Social Work Practice with Immigrants and Refugees

*Seniors may enroll in these graduate electives for undergraduate credit.

Field instruction provides students with the opportunity to work directly with people in a social agency under professional M.S.W. supervision. Students are assigned to different field instruction settings in their junior and senior years. Students complete a minimum of 200 hours of field instruction in the junior year and a minimum of 400 hours of field instruction in the senior year. In the junior year, students are exposed to varied social work methods, client populations, and service delivery systems. Junior-level students receive assignments that facilitate development of beginning practice skills and introduce them to the social work profession. In the senior year, the emphasis is on developing foundation practice skills for

work with individuals, families, groups, and communities.

Students are expected to work normal agency hours and are responsible for adhering to agency policies and practices. Field instruction, unlike other academic courses, continues during the January intersession and students are advised to factor possible housing expenses into their financial plans. In addition, students will need to arrange for transportation to and from the field agency.

B.S.W.–M.S.W. Advanced Standing Program

Before completing the second semester of the senior year, Adelphi social welfare majors who have attained high academic achievement may apply for admission to the Advanced Standing Program, which allows them to complete the M.S.W. in only one additional year of study. Eligibility for the program presupposes a better than average record in the social welfare major, including field instruction performance. Applicants must have a minimum overall GPA of 3.0, with grades of “B” or better in their social work courses. A comprehensive review of the candidate’s appropriateness for the Advanced Standing Program is an integral part of the admissions process and includes assessment by faculty advisers, classroom professors, and members of the School’s Admissions Committee.

The ANSWER Program

Adelphi’s New Social Welfare Education Routes (ANSWER) is an evening program for part-time and full-time students leading to the Bachelor of Social Work degree. The program represents a model of undergraduate social work education pioneered by Adelphi’s School of Social Work as a way to create opportunities for upward professional mobility for paraprofessionals in the human services field. This program’s flexible model also accommodates students who are changing fields and pursuing a career in

social work. The requirements for admission to the ANSWER program are generally the same as for those applying to the Social Welfare Program on the main campus.

Course of Study (ANSWER)

Students must complete the same sequence of social welfare courses and field instruction required of all students in the traditional program. The General Education requirement is waived for ANSWER students who generally begin to take social welfare courses with an associate’s degree in liberal arts or its equivalent. ANSWER students who need additional liberal arts credits to meet requirements for graduation may take them concurrently with social welfare courses or during the summer. Typically, full-time ANSWER students take their 45 social welfare credits in four consecutive semesters, attending classes two or three evenings a week.

Field Instruction (ANSWER)

Field instruction provides students with the opportunity to work directly with people in a social agency under professional M.S.W. supervision. Some ANSWER students apply for work/study internships within their human service employment settings. Students who are not employed in social service agencies or cannot meet the School’s work/study criteria are assigned to one of the School’s affiliated field agencies. Students are assigned to different field instruction settings in their junior and senior years. ANSWER students complete a minimum of 300 hours of field instruction in both the junior and senior years.

Credit for Prior Learning Experience (ANSWER)

ANSWER students may be eligible to apply for up to a maximum of 10 prior learning credits which can be applied to electives. Credits so awarded cannot be used to waive any of the required social work or liberal arts courses. Students requesting such credit must apply to

the director of the undergraduate program and prepare a series of written essays. These essays are graded by faculty according to prescribed criteria. The grade and the number of essays submitted determine the number of credits awarded.

Students must submit a full description of activities and appropriate documentation: e.g., résumé, agency job description, letters from employers, personal references, certificates of completed courses, C.E.U.s (Continuing Education Units), and so on.

Independent Study

Students may take up to 9 credits of independent study with the permission of the director of the undergraduate program. Students must consult with a sponsoring faculty member before registering for each course.

COURSES OF INSTRUCTION

SCHOOL OF SOCIAL WORK

Required Courses:

SWK 332 Introduction to Principles and Practice in Social Work I *3 credits*

This course introduces the knowledge, values, and skills underlying generalist social work practice. Through an experiential and didactic process, students are introduced to communication theory, interviewing skills, systems theory, social problems and issues, and the varied roles of professional social workers.

SWK 333 Introduction to Principles and Practice in Social Work II *3 credits* *Prerequisite: SWK 332.*

This course focuses on the transactional process of the social worker, client system, agency, and community. A “case to cause” model serves as the framework within which students consider a range of social problems, fields of practice, and client populations. Students are introduced to the bio-psycho-social conceptual framework and to the foundation skills of generalist social work practice.

SWK 334 Field Instruction I *2 credits* *Corequisite: SWK 332.*

This course is the first half of a year-long instruction internship completed during the junior year of the B.S. program. Students are placed in social agencies and are introduced to varied social work methods, client populations, and service delivery systems. Students receive assignments that facilitate the development of beginning practice skills.

SWK 335 Field Instruction II *2 credits* *Corequisite: SWK 333.*

This course is the second half of a year-long field instruction internship completed during the junior year of the B.S. program. (*See above.*)

SWK 500 Issues in Social Welfare I: History and Philosophy of Social Welfare *3 credits*

This introductory course in social welfare policy focuses on four major themes: the development of social work as a profession; the emergence of social welfare institutions in the United States; the experience of oppressed populations in the United States; and the changing role of government in the provision of social welfare. These themes are examined with an emphasis on the philosophical, economic, social, and political forces that shaped the development of social work and social welfare in the United States. The course covers the period of time from the post-bellum or Reconstruction era to the present.

SWK 501 Issues in Social Welfare II: Inequality, Inequity, and Social Justice *3 credits* *Prerequisite: SWK 500.*

This course develops the student’s ability to analyze, design, and enact social policies based on an understanding of the factors that contribute to the existence of contemporary social problems, especially economic and social inequality and the oppression of specific population groups. The course focuses on: frameworks for social policy analysis and development; conceptualizing; defining, and developing solutions to social problems, the relationship between social constructions of the problems of oppressed groups and the “realities” of their conditions; major political perspectives on the role of government in redressing inequality; the role of social movements in defining and reducing social problems; and how social workers can contribute to the achievement of social justice in the United States.

SWK 510 Human Behavior Theory for Social Work Practice I *3 credits*

This is the first of two courses that stresses critical thinking in regard to theoretical perspectives on human behavior. The course presents the bio-psycho-social perspective with a particular emphasis on multiculturalism. This is followed by an exploration of the various social systems that impact human behavior. This exploration includes an analysis of a variety of theories and application to the social systems students address in practice. The course introduces theories about and perspectives on the human life span and begins a discussion of the life cycle, which is continued in SWK 511, covering conception through middle childhood.

SWK 511 Human Behavior Theory for Social Work Practice II *3 credits* *Prerequisite: SWK 510.*

This course builds on the foundations acquired in SWK 510 and continues with a multicultural perspective on the human life cycle. It begins with a brief review of the theoretical perspectives covered in SWK 510. It introduces ego psychology and functional and dysfunctional ego mechanisms as well as providing an exploration of concepts relating to stress and coping. It continues the discussion of the human life span in SWK 510 in the context of social systems and relevant theory. The period beginning with adolescence and ending with death is examined.

SWK 520 Foundations of Social Work Practice I *3 credits* *Corequisite: SWK 690 or 590.*

This practice course provides foundation knowledge within the context of a generalist intervention model. Knowledge, values and skills for social work practice at the micro, mezzo, and macro levels will be taught from an integrative practice framework. Students will be introduced to social work values, theoretical concepts, and interventive activities common to all social work practice methods.

SWK 521 Foundations of Social Work**Practice II**

3 credits

Prerequisite: SWK 520.*Corequisite:* SWK 691 or SWK 591.

This course focuses on the theories and skills necessary for social work practice with individuals, families, groups, and communities as a means of enhancing role performance and social functioning. The development of skills in facilitating the interaction of client systems and environments is emphasized using a systems perspective in relation to problem solving. Crisis intervention, ego support, linking clients to resources, and alleviation of environmental stressors are considered. The small group and groups as representative of communities are examined as vehicles of growth, goal attainment, and empowerment.

SWK 542 Oppression, Diversity, and the Struggle for Human Rights

3 credits

Prerequisite or corequisite: SWK 500.

This course emphasizes the systematic nature of oppression and the responsibility of social workers to engage in the struggle for social justice and human rights. The meaning and implications of related concepts such as discrimination based on race, ethnicity, gender, sexual orientation, class, disability, and aging are discussed. In addition to professional literature, there is an emphasis on experiential learning, encouraging students to get in touch with their own oppression and the biases they have toward others. Students gain an understanding of the practice principles and skills needed to be effective as change agents with diverse populations at the micro, mezzo, and macro level.

SWK 557 Social Work Research I

3 credits

Prerequisite or corequisite: SWK 500.

This course provides students with the basic tools needed to understand and participate in social work research. It integrates material from epistemology, research design, data collection, management, and analysis into a coherent view of the social research process. The purpose of this course is to prepare professional social workers who understand the means necessary to contribute to the formal development of the profession's knowledge base and are able to participate meaningfully in the research process to expand it. This includes preparing students to use empirical evidence to guide their professional practice, to evaluate their own practice, and to evaluate social service programs in which they work.

SWK 590 Field Instruction III

4 credits

Corequisite: SWK 520.

This course is the first half of a year-long field instruction internship completed during the senior year of the B.S.S.W. program. The field instruction internship provides the experiential component of social work education in which students work directly with clients in a social agency under professional social work supervision. There is an emphasis on developing foundation skills for work with individuals, families, groups, and communities. Students are expected to complete a minimum of 400 hours of internship during SWK 590 and 591.

SWK 591 Field Instruction IV

4 credits

Prerequisite: SWK 590.*Corequisite:* SWK 521 and 522.

This course is the second half of a year-long field instruction internship completed during the senior year of the B.S.S.W. program. (See SWK 590 above.)

Elective Courses:**SWK 101 Introduction to Social Welfare and Human Services**

3 credits

This course is appropriate for underclassmen who are interested in careers in the helping professions, particularly social work, or who desire to learn more about social institutions and at-risk populations. It examines social welfare as a societal institution responding to human needs. Emphasis is placed on the resources available to assist individuals, families, groups, and communities cope with the pressure and demands on their lives. Attention is paid to the unique role of government and other public entities in the provision of resources. The nature of professional helping relationships is studied with a particular emphasis on social work. Students will become familiar with contemporary social problems and their impact on individuals, families, and groups; gain a beginning understanding of the role of social agencies and develop a beginning awareness of social welfare and the social work profession.

SWK 305 Case Management

3 credits

This course provides an in-depth analysis of case management and examines the role that factors such as service fragmentation, changing demographics, increasing consumer rights, social legislation, privatization, and cost-containment have played in the proliferation of case management programs. Concepts such as the ecosystems perspective, strengths-based practice, advocacy, and empowerment are applicable to the provision of case management services. Various models of service delivery are presented and students learn case management skills such as outreach, assessment, service planning, linkage, and monitoring.

**SWK 306 Introduction to Social Services
with Children***3 credits*

This is an introductory course for the beginning social worker who wishes to develop knowledge and skills in working with and on behalf of children. It introduces the scope of social work practice with children in a variety of settings, stresses practice related to the developmental needs of children, and examines selected policy issues.

SWK 738 Social Work and the Law*3 credits*

This course will examine the practice of social work in the legal context. Law encompasses the fabric of our social relationship and as such the course will explore the ways in which social work can impact the legal system. The course will provide familiarity with legal processes, legal research and analysis, and an understanding of how individuals and families are impacted by the legal system.

SWK 741 Child Abuse and Neglect*3 credits*

This course provides an overview of the social problem of child abuse and neglect. A multi-systemic approach to the recognition, understanding and amelioration of child maltreatment is offered. Various models of prevention and intervention services for abused and neglected children and their families are explored.

**SWK 788 Social Work Practice with
Immigrants and Refugees***3 credits*

This course is designed to prepare students for direct practice with immigrants and refugees. Students learn about social, psychological, legal, and economic aspects of migration, their effects on individuals and families and principles of helping to cope with the hardships related to relocation. Building on stress, crisis and trauma theories and on practice models taught in previous courses, students develop knowledge and skills for assessment and addressing the unique issues of clients within their situational and cultural context.

JOINT
DEGREE
PROGRAMS

Joint Degree Programs

Adelphi University's joint degree programs offer highly motivated and goal-oriented students a direct path to rewarding professional careers in computer science, dentistry, engineering, environmental studies, human resource information systems, law, optometry, physical therapy, and transportation management.

Adelphi's joint degree programs gives students an opportunity to combine Adelphi's undergraduate experience with professional programs at such prestigious institutions as Tufts University School of Dental Medicine, Columbia University, Stevens Institute of Technology, Rensselaer Polytechnic Institute, New York Law School, New York Medical College, Polytechnic University, and the State University of New York (SUNY) College of Optometry. These programs are hugely rewarding, personally and professionally.

Most students apply to the joint degree programs as high school seniors; however, with careful planning and advisement, these programs may be open to transfer students and current Adelphi students. Admission to Adelphi's joint degree programs is highly selective and the work is challenging. For information on admissions requirements please see Chapter XII in this *Bulletin*.

In addition to saving time, and perhaps tuition dollars, these programs give students the certainty that if they do their part they will have secured a spot in their program of choice.

Participation in any one of the programs demands commitment and requires careful planning and advisement in terms of course selection and internships. Faculty and staff work as teachers, academic advisers, and counselors to help students meet the demands of their programs. Students experience careful planning and advisement; a committed faculty; small classes; state-of-the-art computer, library, and laboratory facilities; opportunities for internships and research; and a stimulating environment in which they can succeed.

Students interested in the joint degree programs are also often interested in enrolling in the Honors College (see Chapter IV). While fulfilling Adelphi's General Education requirements, students in the Honors College have a unique opportunity to look at contemporary issues through a wide-ranging knowledge of the past in art, science, social thought, and the humanities, with faculty mentors and a small group of students.

The Programs

Computer Science

Human Resource Information Management

Transportation Management

Adelphi University–Polytechnic University/ KWEA (Knowledge Workers Education Alliance)

4-1 B.A./B.S. and M.S. Program

Adelphi University has joined with Polytechnic University to address the increasing need for professionals whose primary expertise is the creation, transference and synthesis of information. This combined five-year degree program is designed to prepare liberal arts students for careers in the information economy of the 21st century. Students earning their B.A. or B.S. degree in the liberal arts at Adelphi University may earn a M.S. in computer science, human resource information management or transportation management, after one year at Polytechnic University. These programs are open to current students at Adelphi, as well as entering students.

In order to guarantee admission to the graduate programs at Polytechnic University, Adelphi students are required to have first successfully completed their Bachelor of Arts degree, including all prerequisite courses, with a *minimum* GPA of 3.2.

Three program options are available:

- **M.S. in Computer Science**

- **M.S. in Human Resources** *with a concentration in human resources information systems*
- **M.S. in Transportation Management**

For further information please contact the Dean's Office of the College of Arts and at Sciences (516) 877-4140, or the department of mathematics at (516) 877-4482.

Dentistry

Tufts University School of Dental Medicine 3–4 B.S./D.M.D. Program

Each March a joint Adelphi University-Tufts University Admissions Committee interviews a select number of high school seniors who will major in biology at Adelphi and enter Tufts University School of Dental Medicine, located in Boston, after completing their junior year of undergraduate study. Students in this program will have an opportunity for on and off campus clinical dental experiences.

The Bachelor of Science degree is conferred by Adelphi University after the successful completion, and on petition by the student, of the first year of dental school at Tufts University. At Tufts, students follow the same dental school curriculum as all other dental students and are scheduled to study and complete clinical requirements in four years.

For additional information please contact the department of biology at (516) 877-4200.

Engineering

Columbia University, Polytechnic University, Rensselaer Polytechnic Institute, Stevens Institute of Technology 3–2 B.A./B.S. Program

Adelphi University offers qualified students an opportunity to participate in a combined program leading to the Bachelor of Arts degree in physics from Adelphi and a Bachelor of Science degree in an engineering discipline from colleges and universities including Columbia University, Polytechnic University, Rensselaer Polytechnic Institute, and Stevens Institute of

Technology. These programs provide high-quality engineering training, a valuable liberal arts background, and much needed communication skills.

Students in the program spend three years at Adelphi, and two years at a professional school such as Columbia University School of Engineering. At Adelphi, the student take a number of courses in mathematics, physics, chemistry, computer science, engineering mechanics, etc., in preparation for a rigorous engineering program.

The Adelphi degree is granted upon successful completion of the first year at the professional school (e.g., Columbia University), upon petition by the student. Columbia University will grant a Bachelor of Science degree in the chosen field of specialization upon fulfillment of its requirements.

Alternatively, a student may choose a 4–2 Combined Plan Program, in which he/she graduates from Adelphi in four years and pursues two years of study in a graduate school of engineering. The student will earn a B.A./B.S. in physics from Adelphi University, and an M.S. in the appropriate engineering discipline from the graduate school (e.g., Columbia University School of Engineering).

Engineering disciplines available include:

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Environmental Science
- Industrial Engineering
- Information Systems Engineering
- Manufacturing Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Operations Research
- Systems Engineering

For additional information please contact the department of physics at (516) 877-4880.

Environmental Studies

Columbia University

3–2 B.A./B.S. Program or 4–2 B.A./M.S.

Adelphi's environmental studies program has joined together with Columbia University's Department of Earth and Environmental Engineering, Harry Krumb School of Mines, to offer two exciting program options:

- Three years at Adelphi University and two years at Columbia University to earn both a Bachelor of Arts in environmental studies at Adelphi and a Bachelor of Science in earth and environmental engineering from Columbia.
- Four years at Adelphi plus two years at Columbia to earn both a broad-based Bachelor of Arts in environmental studies and a Master of Science in earth resources engineering from Columbia University.

In the spirit of "research for conservation and good stewardship of the earth" Adelphi and Columbia have agreed to cooperate in joint research activities, scholarly lectures, colloquia, and symposia.

The Program also has an affiliation agreement between Adelphi's Environmental Studies Program and the Center for the Study of Humans in Tropical Environments of the Polytechnic University of Puerto Rico for collaborative efforts in scholarly endeavors, research, and the exchange of students and faculty, designed to further understand the dynamics of island biospheres and human intervention in both the Caribbean Basin and the Eastern Mediterranean.

For additional information please contact the department of environmental studies at (516) 877-4212, or the department of biology at (516) 877-4200.

Law

New York Law School

3–3 B.A./B.S. and J.D. Program

A combined plan program, 3 years at Adelphi University and 3 years at New York Law School in Manhattan, enables students to take the required prerequisite courses at Adelphi and transfer to New York Law School after completing their junior year. With careful planning and strong credentials, students can receive both a bachelor's degree from Adelphi and a J.D. degree from New York Law School one year sooner than is usually required.

For additional information please contact the department of history at (516) 877-4790.

Optometry

SUNY College of Optometry

3–4 B.S./O.D. Program

Adelphi University and SUNY College of Optometry jointly select students each year who will major in biology at Adelphi and who will enter the SUNY College of Optometry at the end of their third year of undergraduate study. Adelphi University will confer the Bachelor of Science degree after the successful completion of the first year of optometry school, upon petition by the student.

For additional information please contact the department of biology at (516) 877-4200.

Physical Therapy

New York Medical College

4–3 B.S./D.P.T. Program

Physical therapy is an expanding field with career opportunities in private practice, hospitals, clinics, and residential settings, as the demand for qualified physical therapists has grown along with our country's aging baby-boomers and their desire to maintain an active lifestyle. Determining both a need and an increasing interest in physical therapy among students, Adelphi University and the New York Medical College Graduate School of Health Sciences in Valhalla, New York, are offering a

combined seven-year Bachelor of Science/Doctor of Physical Therapy.

Students admitted to the program are required to take a strong prescribed liberal arts and sciences program at Adelphi University and, after completing their senior year with a B.S. in biology or in physical education and human performance science from Adelphi, may then continue their studies at New York Medical College. After an additional three years at New York Medical College, successful students achieve their doctorate in physical therapy.

A limited number of placements are available. Students are admitted provisionally to the New York Medical College program during their first year at Adelphi. Periodic academic reviews are conducted, and during a student's senior year at Adelphi New York Medical College makes its final admissions decision.

For additional information please contact the department of biology at (516) 877-4200, or the department of health studies, physical education, and human performance science at (516) 877-4260.

ELS Language Centers

Adelphi University, in conjunction with ELS Language Centers, offers one of the most comprehensive English as a second language programs in the country. Based at many universities across the country, ELS offers this high-quality, intensive program to students, visitors, and business and government personnel who wish to learn English thoroughly but quickly. Academically gifted students who complete level 112 in the Intensive Program can enroll in the University as matriculating students without a TOEFL score.

Enrolling in this program allows the student an opportunity to live in Adelphi residence halls, enjoy the dining facilities, use the recreational areas, and experience life at Adelphi. The ELS office is located in Linen Hall. For admission information please contact the ELS program at (516) 877-3910.

X

S TUDENT
LIFE

Student Life at Adelphi

Student Life

Adelphi University is committed to students' well being, growth, and success. To this end, a wide range of services, programs, and activities are available to aid in students' development. Through the many facets of undergraduate life on and off campus, Adelphi students' experience is enriched.

We believe that the curriculum and co-curriculum are parallel tracks for students' intellectual and personal development and that students learn best by being involved. Through the numerous opportunities for leadership and involvement, students are encouraged to take full advantage of the vibrant atmosphere of our University. It is in this way that students thrive and become well-rounded Adelphi alumni.

If you have suggestions for augmenting student life at Adelphi, or have other issues or concerns, please see the Dean of Student Affairs in University Center 106, (516) 877-3660.

Office of Disability Support Services

The Office of Disability Support Services assists students with disabilities in accessing the variety of resources available at Adelphi University. The mission of the Office of Disability Support Services is to provide an increasingly accessible and supportive learning environment for students with disabilities. The Office provides cost-free assistance to Adelphi students with documented disabilities. Such disabilities include but are not limited to physical, learning, psychological, and sensory. Examples of types of assistance available to students with disabilities include accommodative testing arrangements, academic assistance (note-takers, interpreters, etc.), and other accommodations as needed. The Office of Disability Support Services is located in

University Center 310, and is open Monday through Thursday 8:30 a.m. to 7:30 p.m. and Friday 8:30 a.m. to 4:00 p.m. The coordinator may be reached at (516) 877-3145, TTY (516) 877-3138, or at dss@adelphi.edu. For more information, please see "Academic Assistance for Students with Disabilities" in the "Rules and Regulations" section of this *Bulletin*.

Study Abroad

The Office of International Student Services/Study Abroad offers a variety of educational program opportunities for Adelphi students to spend a summer, a semester, or a year of their undergraduate experience at colleges or universities abroad. The University is affiliated with a number of agencies that feature academic programs in a wide range of countries.

- **American Institute for Foreign Study**
Australia, Austria, China, France, Great Britain, Ireland, Italy, Russia, and Spain
- **Council for International Educational Exchange**
Czech Republic, France, Hungary, Poland, Slovakia, and Spain
- **Washington International Studies Council**
England (Oxford University)

Through Adelphi, students also can participate in numerous study abroad programs in cooperation with other U.S. institutions of higher education. Some of the programs listed are taught in English and do not require proficiency in another language. Each fall our students are invited to attend an annual Study Abroad Fair. The fair provides students with an opportunity to speak to many study abroad representatives and receive immediate information concerning many programs.

The Office is located in University Center 109, (516) 877-3662 or (516) 877-4990.

Residential Life and Housing

Adelphi is an international university with students joining us from 40 states and more than 55 nations overseas. It provides a true cosmopolitan atmosphere, in which the most and best of academic life is available.

Adelphi maintains five diverse residential communities to meet the needs of all our students. A sixth residence hall opens in Fall 2003. Each residence hall is supervised by a full-time professional residence hall director with a bachelor's or master's degree in an appropriate field (e.g., psychology, counseling, education). At Adelphi, residence hall directors are professionals with a strong personal commitment to their duties, who live and work in the building year-round and supervise a staff of well-trained graduate and undergraduate resident assistants. Together, they sponsor hundreds of educational and social events and activities for residents throughout the year.

The campus itself is secure, pastoral, and beautifully cultivated. Nearby are the shops and residences of historic Garden City. A commuter railroad station at the edge of campus is ready to take students into New York City for premier cultural events and social experiences.

Applicants interested in housing should indicate their interest on their application for admission. Admission to the University does not imply that a room has been reserved. Applicants expressing an interest will be mailed a housing application and information regarding residential life. Please act quickly as space is limited. Additional information is available from the Office of Residential Life and Housing, Earle Hall 100, (516) 877-3650, or at www.adelphi.edu.

The Ruth S. Harley University Center

The University Center or "UC," is known as "the center of it all." Most major events taking place on campus happen here. Also housed within the U.C. are the Commuter Lounge, the

University bookstore, the campus cafeteria, the art gallery, an ATM machine, several student organization offices, meeting space, and an interfaith chapel.

Across campus, Post Hall contains a dining facility featuring Sbarro's and our newly renovated convenience store and Panther Grill.

Student Leadership and Activities

Recognizing the importance of a full undergraduate experience for its resident and commuter students alike, Adelphi sponsors a broad range of co-curricular activities. Through the Center for Student Leadership and Activities, Adelphi sponsors a number of trips to New York City theaters, museums, and street festivals, and coordinates a variety of on-campus social events. Adelphi's Department of Performing Arts also adds to campus life with dance, theater, and music productions in the Olmsted Theatre. The Cultural Event Program and the Student Activities Board bring many world-renowned and fascinating speakers to our campus. (For more information on speakers, see the "Cultural Events and Campus Life" section in this *Bulletin*.)

Adelphi University is home to more than 70 student clubs and organizations that serve to enhance and motivate curricular learning. Students gain substantial leadership experience, personal growth, and build a strong connection to the campus community through their involvement in these organizations.

Students represent their peers through the Student Government Association (the voice of all undergraduates) and the Resident Student Association (the voice of the resident student population). Many contribute to the portfolio of independent periodicals, including the student newspaper, *The Delphian*, and the student art magazine, *Magnum Opus*. Others meet in religious groups such as the Catholic Campus Community, Hillel and Christian Fellowship or community service/social action clubs like C.A.L.I.B.E.R. Circle K International, N.A.A.C.P., and the Adelphi Environmental

Action Coalition. Cultural awareness groups include the Hellenic Society, International Students Society, and Latin Students United. Students may also enhance knowledge in their field of study through participation in academic societies and organizations. Such organizations include interAct, Health, Physical Education and Exercise Science Club, Undergraduate Social Work Council, and the Computer and Math Club.

The 19 honor societies on campus recognize academic achievement, while the 7 Greek-letter fraternities and sororities promote community service and enhance the social life of many students. The Center for Student Leadership and Activities is located in University Center 110, (516) 877-3603.

Orientation

All new students, freshmen and transfers alike, participate in a mandatory Orientation program at the beginning of their first semester. Freshmen matriculating in the fall semester participate in a four-day overnight program; transfers and all new students entering in the spring participate in a special one-day program. The Orientation program provides a comprehensive introduction to curricular as well as co-curricular life, campus facilities, and resources. The program is designed to integrate all facets of student learning and campus life, so that students join the University community as confident, assertive, and civic-minded individuals. Orientation is a mandatory program for which a fee is required. The Center for Student Leadership and Activities is located in the University Center 110, (516) 877-3603.

Intercollegiate Athletics and Intramural Activities

Intercollegiate athletics have been an integral part of the Adelphi University educational experience since 1896. Today, Panther teams compete in 16 sports: men's soccer, golf, cross-country, basketball, baseball, tennis, and lacrosse; women's cross-country, soccer, volleyball, basket-

ball, softball, lacrosse, and tennis; and co-ed swimming and track. The teams compete at the NCAA Division II level with the exception of men's soccer which competes in Division I. At one time or another all teams, and many individuals have been recognized for excellence both regionally and nationally. Baseball has reached the NCAA College World Series four times in the last six years; women's soccer has qualified for the NCAA Tournament six times in the last ten years and has competed in the Final Four nationally; the lacrosse team has won seven national titles ('79, '81, '93, '95, '98, '99 and '01) and was second in 1996 and 1997; and the men's basketball team won the NCAA Northeast Regional Championship in 2001.

As a member of the New York Collegiate Athletic Conference, the athletic program won the coveted Commissioner's Cup in 1997, 1999, and 2001. This "Cup" is the culmination of the conference's year-long competition for conference championships.

There is also a vigorous intramural program that attracts hundreds of students each season. Opportunities for self-scheduled recreational activities include swimming, running, tennis, aerobics, and use of the "Fitness Center." Intramural activities such as floor hockey, indoor soccer, softball, running competition, flag football, basketball, and volleyball are the basis for a large and ever changing program.

Commuter Student Affairs

The Office of Commuter Student Affairs provides services and programs for students who commute to the University. The office helps each commuter explore and take full advantage of the many University-sponsored cocurricular and extracurricular program. Key services provided include a message center, AU TV, public transportation schedules, maps, emergency road service referral, and off-campus housing referrals. The Commuter Student Lounge provides computers, lockers and a place to relax, study and meet with friends. The office is located in University Center 109, (516) 877-6667.

Multicultural Affairs

The Office of Multicultural Affairs, in cooperation with other offices and programs, strives to create an environment that encourages students from diverse racial and ethnic backgrounds to participate actively in campus life by assisting the University in developing special recruitment, retention and educational strategies. This office also sponsors workshops that allow students to discuss their differences in a safe and comfortable setting.

The Office of Multicultural Affairs provides leadership training and administrative support to all multicultural organizations. The office also provides specialized mentoring services and supplementary advice to students of color during their studies at the University. Its open-door policy provides confidential and ready access for students who are experiencing difficulties for whatever reason or need assistance adjusting to college.

The Multicultural Advisory Committee is comprised of administrators, faculty, and staff members who develop innovative ways to allow all students to learn and respect diversity. The committee also assists in solving problems that are initiated by an individual or group.

The office is located in the University Center 109, (516) 877-3661.

International Student Services

Adelphi University has a strong commitment to international education and welcomes students from all over the world. The Office of International Student Services, which is located in the University Center, assists international students in meeting legal requirements for entry into the United States and in maintaining legal status while pursuing full-time study at the University. The office provides advice regarding the requirements of the Bureau of Citizenship and Immigration Services, Social Security Administration, and a wide variety of concerns such as culture, customs, and educational systems.

In addition, the Office of International Student Services and the International Student Society can help all international students meet the academic, social, and personal challenges before them: registering for classes, making new friends, finding a suitable place to live, learning the procedures and policies of the University, and developing an understanding of American culture through workshops, special events, and individual counseling.

The office is located in Room 109 of the University Center, (516) 877-4990 or (516) 877-3661.

Interfaith Center

Religious life and practice is a matter of choice at Adelphi. As a private, nonsectarian university, Adelphi does not promulgate any particular religious belief. The Interfaith Center provides a campus ministry to suit individual needs through spiritual guidance, counseling, educational programs, social events, and opportunities for worship. Participation is voluntary and all are welcome. Students are served by representatives of the Catholic, Jewish, Muslim, and Protestant faiths.

The Interfaith Center fosters an ecumenical and interfaith presence on campus and intro-

duces interested members of the University community to houses of worship in the area. On the third floor of the University Center they maintain the Interfaith Chapel, the Interfaith Library, and the Offices of the Catholic, Jewish, Muslim, and Protestant Chaplains.

Personal Counseling

When a student faces stresses and pressures, the Student Counseling Center is there to help. Located in room 310 of the University Center, (516) 877-3646, the Center offers a variety of services including individual and group therapy, consultation and assessment, crisis intervention, and referrals to both on-campus and off-campus resources. Our wellness workshop series offers students a forum to discuss the many issues that impact their lives. The Center also offers education and confidential counseling to students regarding drug and alcohol abuse issues. Our peer counseling hotline is available for students seeking help from other students. Peer counselors are trained in counseling and crisis intervention. The peer counseling hotline number is (516) 877-3663 and is open Monday through Friday from 7 p.m. to 11 p.m. when classes are in session.

Another significant on-campus resource is The Center for Psychological Services, which offers psychotherapy and psychological testing to students, staff, and the surrounding community. It is housed in the Hy Weinberg Building and is part of the Gordon F. Derner Institute for

Advanced Psychological Studies. Professional and confidential services are provided at no fee to members of the Adelphi community, (516) 877-4820.

Health Services Center

The Health Services Center provides high quality health care and health education to the University community. Registered nurses are available 24 hours a day, seven days a week, during the semester; during semester breaks and throughout the summer, registered nurses are available during daytime hours Monday through Friday. Appointments with the University physicians are made through the Health Services Center. The Health Services Center is located in Waldo Hall, (516) 877-6000.

The Writing Center

The Writing Center helps students of all abilities learn to use writing more effectively in any aspect of college life. The staff of peer tutors works with students in the process of writing essay assignments, lab reports, cover letters, graduate school admissions essays, job applications, or any other important written material. Students may make an appointment or simply drop in. The Writing Center also offers periodic writing workshops and maintains a library of composition reference books and handouts. The Writing Center is located in Earle Hall, lower level, (516) 877-3296 or writingcenter@adelphi.edu.

ACADEMIC
SUPPORT

Academic Support at Adelphi

Office of Academic Services and Retention

The Office of Academic Services and Retention is dedicated to helping each Adelphi student realize his or her full potential. The office works with faculty advisers. Each student receives not only the best possible program advisement but advisement that considers the individual needs of each student in his or her academics, personal life, and career goals.

The Office of Academic Services and Retention also oversees transactions such as leaves, withdrawals, and petitions to waive rules. The final academic appeal of any student is to the Office of Academic Services and Retention.

The Office of Academic Services and Retention sponsors and coordinates independent undergraduate research projects with faculty that are nominated for presentation at the National Conference for Undergraduate Research. Adelphi sends many undergraduate researchers to the conference each year.

Students who have questions or special needs may stop by the Office of Academic Services and Retention located in Levermore Hall, Room 303, from 8:30 a.m. to 6:00 p.m. Monday through Wednesday; Thursday, 8:30 a.m. to 5:00 p.m.; and Friday 8:30 a.m. to 4:30 p.m. During the summer the hours are 8:30 a.m. to 4:30 p.m., Monday through Friday. Students in our off-campus sites may also utilize this office. See also, “Academic Advising” in the chapter of this *Bulletin* titled “Rules and Regulations.”

University Learning Center

<http://students.adelphi.edu/learningcenter/>

The Learning Center provides peer assistant tutoring, consultation, and other forms of academic assistance to enhance students’ academic performances. Located on the lower level of Earle Hall, the Center’s resources are open to undergraduate and graduate students enrolled at any Adelphi University campus. The Center’s peer tutors are students with both excellent communication skills and academic knowledge. All academic support programs commence during the first week of classes, so that students are able to receive assistance before they experience academic difficulty. The Center offers:

- Tutoring in academic courses and basic academic skills;
- Individual (writing) and small group tutoring workshops to enhance reading, test-taking and study skills;
- Workshops for graduate exam preparation (GRE, GMAT, LSAT, and MCAT);
- Seminars on special learning topics (APA/MLA formats);
- Opportunities to practice speaking English;
- Review sessions for particular courses;
- Computer lab and study rooms;
- Recitations for chemistry and physics

Students are encouraged to visit the Learning Center for supplemental instruction in specific subject areas, as well as for academic enrichment, particularly in writing and communication strategies. The Learning Center serves both students who are having academic difficulty as well as those who are doing well academically and want to develop their skills further, increase their knowledge, and raise their GPA.

Students may come to the Center as often as they want and seek assistance at any time during the semester, as the need arises. Appointments are not necessary (although they can be made); students simply come to the Center at the time when tutoring for a particular

subject is scheduled and a Learning Center peer learning assistant works with them.

The Learning Center is open throughout the school year. During the fall and spring semesters the Center is open Monday through Thursday from 9:00 a.m. to 8:00 p.m., and 9:00 a.m. to 5:00 p.m. on Friday. Summer session hours are 8:30 a.m. to 5:00 p.m., Monday through Friday. For additional information please call (516) 877-3200.

The University Libraries

The University Libraries are composed of Swirbul Library, the Science Library, and the libraries at the Manhattan and Hauppauge Centers. The libraries offer facilities, resources, and services in support of the instructional, research, cultural, and student life programs of the University. They are dedicated to providing information and instruction as a central and integral part of the total educational experience of every student.

The Libraries are committed to providing state-of-the-art information systems and services. These include both Internet-based electronic information resources, full-text retrieval systems, and document delivery services. Members of the library faculty are available to provide instruction in the use of the libraries and their resources.

Swirbul Library serves as the main library, with particular strengths in the humanities, social sciences, and professional studies. Swirbul Library houses General Reference Services, Circulation/Reserve Reading, Periodicals, Microforms, Interlibrary Loan and Document Delivery Services, Nonprint Media Services, a multimedia classroom, the Curriculum Materials Center, two computer laboratories, and the Information Commons.

In 2003, Special Collections and University Archives will occupy space in Adelphi's new residence hall, which is adjacent to Swirbul. Among the notable special collections are William Blake; William Cobbett; William Hone;

Americana; Cuala Press; expatriate literature of the 1920s and 1930s; materials on the origin and development of the English novel; Spanish Civil War Papers; the Siegfried Muller Memorial Collection of Gerhart Hauptmann; and the Robert R. McMillan Collection of Political and Presidential Memorabilia. The Aimee Ornstein Memorial Library represents an outstanding collection in the areas of banking, money management, and finance. The Library is also a selective depository for official publications of the United States and New York State. The Adelphi Library Catalog Online (ALICAT) provides computerized access to the Libraries' holdings.

The Science Library, located in the Science Building, contains collections in the areas of physics, chemistry, and biology. Collections are maintained in the libraries at both the Manhattan and Hauppauge Centers in support of the academic programs offered on those campuses.

Information Technology and Resources

Adelphi's Office of Information Technology and Resources provides technology-related services to both the academic and administrative sectors of the University. The Office of Information Technology and Resources is located on the lower level of Hagedorn Hall on the Garden City campus. Students and faculty are provided a wide variety of technologies and services. Users have access to general and special-purpose computer labs, several midrange Unix enterprise-wide servers, and office automation and technical software, as well as consulting, help desk, and faculty support services.

The Office of Information Technology and Resources provides six general access computer labs at the following locations: Hagedorn Hall 110; the Science Building 227 and 236; and the Gallagher, Hay, and Information Commons areas in the Swirbul Library. These general access computer labs are equipped with Pentium PCs, PowerPC Macintoshes, Unix workstations, printers, and scanners. The Hay, Gallagher,

Hagedorn Hall 110 and Science 227 computer labs are also equipped for instruction. Student assistants and/or personnel supervise these labs. Normal lab operating hours are Monday through Thursday from 8:00 a.m. to midnight; Friday 8:00 a.m. to 6:00 p.m.; Saturday 10:00 a.m. to 8:00 p.m.; and Sunday from noon to midnight. In total, there are 532 Pentium PC, PowerPC, Macintosh and Unix workstations located in general and special purpose labs throughout the campus including physics, biology, education, nursing, mathematics, chemistry, and psychology labs; and a state-of-the-art graphics design lab. In addition, ten laptops are available to students and faculty for use within the Swirbul Library. Laptops can be reserved from the customer service area, which is located on the second floor of the library. Data jacks have been provided along the perimeter of the entire Information Commons.

Internet connectivity is available to any student who resides in residence halls on the Garden City campus. The Office of Information Technology and Resources provides staff to assist residential students configuring their PCs. Furthermore, 18 smart classrooms are available throughout the campus. The rooms are fitted with a projector, PC, VHS/recording equipment, cable TV, document camera, Internet connectivity, and external data/power ports.

Various software titles are available within the labs for PCs including: *Windows 2000 Operating System*, *Microsoft Office XP (Word, Excel, PowerPoint, Access)*, *Visual Basic*, *Dr. Scheme*, *Fitnessgram*, *Visual C++*, *Microsoft Developer Studio*, *Adobe Acrobat 4.5b*, *Minitab Release 13*, *Interactive Algebra Tutor*, *Code Warrior Programming System*, *Netscape 4.79 and 7.02*, *QVT net 4.05*, *Norton Antivirus 7.5*, *Internet Explorer 6.01*, *Real Player 8*, *Quicktime*, *Media Player 6.4*, *SPSS 10*, *Omnipage 10*, *Adobe Photoshop 6*, *Illustrator 9*, and *Quark*. Mac software includes: *Macintosh 9.2 Operating System*, *Microsoft Office 2001*, *Netscape 4.7*, *Windows Media Player*, *Norton Antivirus*,

Quicktime, *PhotoShop*, *Illustrator*, *Quark*, and *Telnet 2.6*.

In addition to the software titles above, all campus desktop workstations can utilize the software and services provided on several midrange Unix enterprise-wide servers via the campus' data network. One Compaq DS20 Alphaser server running Compaq Tru64 Unix v4.0F provides simultaneous login for over 3000 user accounts. Software on this system includes the FORTRAN, GNU C and Perl compilers; SPSS and LISREL statistical packages; Oracle 8 database; and TeX and LaTeX typesetting packages. A full range of Internet services, such as ftp, telnet, Secure Shell, Gopher, Web, IRC, and POP3/IMAP email are supported. Also, multiple systems running Tru64 Unix, Linux, NT, and Netware support the University's Web site and user's WWW pages. A Linux server is also online supporting RealMedia files. The University also provides online course materials through a Dell 6500 server running Blackboard 5.5. The Blackboard server is accessible to all students via the Web at <http://my.adelphi.edu>.

The Office of Information Technology and Resources offers various support services and training seminars to the Adelphi community. Customer Services provides initial technical support and assistance to all users. Support requests are logged into an automated database system and routed to the appropriate person. To reach Customer Services, dial extension 3340 or 3333.

Center for Career Development

The Center for Career Development educates students in the skills they will use for a lifetime as they select, enter, change, or advance in a career.

Adelphi students may come to the Center to research a library of timely information about careers and the job market; to analyze their career interests using computerized or written tests; to obtain information about admission to graduate or professional school; to review listings of current full time, part time, and seasonal employment opportunities and internships sorted into career fields; and to attend workshops in which students learn to develop a job search strategy, produce effective résumés and letters, and prepare and practice for interviews. Individual confidential career counseling is available by appointment and during walk-in hours.

The Center for Career Development coordinates the visits of employers to the Adelphi campus for job fairs and for individual employment interviews with graduating students. The Center provides a credential file service for students and alumni seeking positions in the fields that require it.

The Center for Career Development, located in Post Hall, is open year round from 8:30 a.m. to 4:30 p.m., Monday through Friday, with extended hours on some Wednesdays. The Center accommodates all on- and off-campus students, including those with special needs. For the complete schedule of events, visit the Career Center Web site <http://students.adelphi.edu/career>.

The Writing Center

The Writing Center helps students of all abilities learn to use writing more effectively in any aspect of college life. The staff of peer tutors works with students in the process of writing essay assignments, lab reports, cover letters, graduate school admissions essays, job applications, or any other important written

material. Students may make an appointment or simply drop in. The Writing Center also offers periodic writing workshops and maintains a library of composition reference books and handouts. The Writing Center is located in Earle Hall, lower level, (516) 877-3296 or writingcenter@adelphi.edu.

Learning Disabilities Program

Housed within the School of Education, the Learning Disabilities Program is nationally recognized for its comprehensive and structured services. Students receive academic and counseling support from professionals with advanced degrees in special education and social work, while attending regular classes in their chosen major. While course content and requirements are never compromised, extensive resources and accommodations ease the way for students with learning disabilities and/or Attention Deficit/Hyperactivity Disorder. The program provides the opportunity for educational and social growth in Adelphi's supportive setting of small classes and strong teaching tradition.

Childcare Services

Adelphi's Child Activity Center provides daytime childcare services at the Garden City campus to children, ages 3 years through kindergarten, while students attend classes (fee required). The teachers are state-certified and are highly knowledgeable and responsive to early childhood development.

In addition, the Center is a site for field experiences that are part of academic programs in all of the professional schools.

ADMISSIONS

Admissions

Adelphi University's general admissions process is designed to ensure that all student applicants and their records are thoroughly evaluated prior to an admissions decision. What follows is a brief outline of the admissions process, application requirements and credentials, and important dates.

Undergraduate Admission

General admission is granted twice each year for September and January. Although the University operates on a rolling admissions system, freshman applicants are encouraged to submit their applications by March 1 for the fall semester and November 30 for the spring semester; transfer applicants are encouraged to submit their applications by June 1 for the fall semester and by November 30 for the spring semester. (Please note that attendance at a summer session does not assure a student of admission to any of the schools or colleges of the University.) Candidates for admission should note that while the Office of Admissions will accommodate late applications for both the fall and spring semesters, late applicants will be considered on a first-come, first-served basis for financial assistance and housing.

How to Apply

Students interested in obtaining an admissions application or information should:

1. Contact:
Office of University Admissions
Levermore Hall 114
Garden City, NY 11530
(516) 877-3050
1-800-Adelphi (out-of-state)
www.adelphi.edu
2. Complete the application for admissions in the fall of the senior year.

3. Arrange to take the College Entrance Examination Board Scholastic Assessment Test (SAT), or the tests given by the American College Testing (ACT) Program.

4. Arrange for an interview and campus tour.

Visiting the Campus

A personal interview is highly recommended as part of the admissions evaluation process. Prospective students are encouraged to visit the campus to interview with an admissions counselor, take a student-guided tour, and sit in on a class. To arrange for an interview and campus visit, call the Office of Admissions. Interviews and tours of the campus are available Monday through Friday and selected Saturdays.

General Conditions of Admission

Applicants must be graduates of a recognized four-year high school or academy, or must offer acceptable evidence of official equivalent preparation. Adelphi prefers freshmen who have successfully completed a minimum of 16 academic units. Each applicant is considered, however, on the basis of his or her individual academic record, plus cocurricular activities. It is recommended that academic units include:

- English (4 units)
- Science (general science may be included) (3 units)
- Mathematics (3 units)
- Foreign language (2–3 units)
- Additional units to be chosen from history, social studies, and the above fields (4 units)

Deficiencies in some of these areas may be offset by superior qualifications in others. The unit usually represents the study of a college preparatory/Regents level subject for one year.

NOTE: Proof of measles, mumps, and rubella immunization must be submitted prior to registration for classes. In addition, students are required to submit a signed Meningococcal Meningitis Vaccination Response Form in order to attend class or reside on campus.

Admission Credentials

Admissions credentials that are required for the Admissions Committee to consider an application include:

- A completed undergraduate application for admission.
- An application fee of \$35.
- An essay.
- An official high school transcript, including rank in class and standardized test scores.
- Official copies of Scholastic Assessment Test (SAT) or American College Test (ACT) scores.
- One or more letters of recommendation from a guidance/college counselor and/or teacher is preferred.

Students who have obtained a General Equivalency Diploma (GED) or who have been out of high school for one year or more will not be required to take the SAT or ACT unless specifically requested to do so.

An admissions interview, strongly recommended for all students, is required for applicants to the Honors College, and may be arranged by the applicant or requested by the Office of University Admissions.

All records of each applicant are given careful consideration. A final evaluation is based on the abilities, purposes, and interests of the candidate. The University may also require additional information, or may exempt students from certain credentials.

Entrance Examinations

To assist the Admissions Committee in making a decision, the University requires that candidates participate in either the American College Testing (ACT) Program or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board (CEEB), of which Adelphi is a member. The examination results of the October, November, December, or January SATs, or the October or December tests of the ACT Program, are preferred. Students who have lived

in the United States less than three years and are from a non-English-speaking country need to submit a TOEFL or APIEL score, unless your SAT verbal score is higher than 500. International students from a non-English-speaking country are required to submit a TOEFL or APIEL score as well. This policy also applies to transfer students. For students intending to enroll in the General Studies Program or Learning Disabilities Program, SAT scores are highly recommended but not required.

Admission of Transfer Students

Applicants must submit official college transcripts of all work, whether completed or in progress, from all colleges and universities attended. Applicants for admission must provide evidence of having achieved work of high quality in the institutions from which they transfer.

Interviews are required for all transfer students interested in social work and may be required for students interested in nursing. Students will be contacted to arrange an interview once the application has been received by the Office of Admissions.

All requests for advanced standing credit must be made at the time of the student's admission and before registering for courses at Adelphi, and must be supported by official transcripts. Students admitted directly from regionally accredited two-year colleges will have their transcripts evaluated on a course-by-course basis. Students transferring from regionally accredited junior colleges, or from an associate's degree program at regionally accredited four-year colleges, may transfer a maximum of 64 credits (with or without an associate's degree). A student who was enrolled in a baccalaureate program at a four-year institution is eligible for a maximum of 90 credits. Adelphi requires that the last 30 hours of college work be completed in residence. Some majors require that students complete 50% of their work at Adelphi. The maximum number of credits a student may

receive from Advanced Placement tests offered by the College Board is 30 credits.

Transfer students entering the University with 60 credits or more are required to declare a major at the time of matriculation.

Adelphi University will transfer all appropriate and comparable courses undertaken by transfer students in the past 10 years at regionally accredited junior or senior college. Grades of A, B, or C earned in these courses will be accepted for credit. College credit earned prior to 10 years ago will be evaluated on an individual basis.

Credit may be granted for appropriate courses taken under the direction of the United States Armed Forces Institute, but only if such courses were given under the supervision of a fully regionally accredited, four-year, degree-granting college or university. Credit will not be granted for correspondence courses. For veterans enrolled in the ABE program, credit may be granted for courses completed in service schools if the content of such courses is applicable to the degree requirements of the University and if the individual's record of accomplishment in such courses has been properly authenticated. In general, the recommendations of the American Council on Education, as published in the Guide to the Evaluation of Educational Experiences in the Armed Services, are followed where appropriate in the evaluation of service training for students in the ABE program.

Early Admission

Adelphi University offers two early admission plans.

Plan I. Full Time Study at the University. This plan permits currently enrolled high school students who do not yet have high school diplomas to enroll directly as full time undergraduate students at Adelphi University in order to complete their high school graduation requirements.

Plan II. Concurrent Students. This plan permits students to attend Adelphi University concurrently with high school enrollment.

Generally, students under this plan will be limited to afternoon and evening courses, and will attend high school courses in the morning.

For further information concerning these early admission plans, contact the Office of Admissions.

Advanced Placement

Advanced placement with credit is awarded to entering students if required scores are achieved in an Advanced Placement Examination of the College Entrance Examination Board. For more information regarding acceptable scores please contact the Office of Admissions. Upon taking the examination, the student should direct the CEEB to send the test score report to Adelphi University, Office of Admissions. The maximum number of credits a student may receive from Advanced Placement tests offered by the College Board and college level work completed prior to high school graduation is 30 credits.

Freshman Decision Policy

Adelphi University subscribes to a rolling admissions policy. The Office of Admissions makes every effort to notify candidates of their admission decision approximately three weeks after receiving a *completed* application. In some cases, the Admissions Committee may defer making a final decision until it has received a report of the candidate's midterm grades, or until a personal interview takes place.

Candidates' Reply Date

Adelphi University subscribes to the May 1 Candidates' Reply Date for freshmen. This procedure has been established to provide ample time for students to reach a decision on their college choices. On this date, admitted students are encouraged to notify the University of their intention regarding enrollment.

Specific Admission Policies

In addition to the University's general requirements, schools and special programs may have specific requirements for admission.

Programs

ABLE Programs Admission Requirements

ABLE, the Adult Baccalaureate Learning Experience, is housed in the School of Business and offers programs in both the School of Business and in the College of Arts and Sciences. Admission is based upon the ability to do college-level work. Although past academic records are required and reviewed, ABLE is more concerned with a potential student's present motivation to earn a degree than in that student's previous academic performance.

Adults interested in the ABLE programs are required to submit: 1) a completed Adelphi University application, noting interest in ABLE and including an essay that demonstrates both intellectual promise and the motivation to engage in college-level work; 2) enclose a nonrefundable application fee of \$35; and 3) provide high school and all previous college transcripts.

Once a completed application has been received by ABLE, the student will be notified as to admission status. An admitted student may be permitted to register for classes and to earn college credit pending receipt by the University of all official high school (or proof of high school equivalency) and college transcripts. It is the responsibility of all admitted students to have all transcripts sent directly to the Office of University Admissions, Levermore Hall 114, Adelphi University, Garden City, New York 11530, either prior to or within 30 days of the date of the official letter of acceptance.

Accepted students will not receive full admission status until all official transcripts have been received and evaluated. When official transcripts have been received and evaluated, written notification of the number of accepted transfer credits will be sent to accepted students by the Office of Admissions. Admitted students who do not comply with the above will be blocked from registering for future terms. Administrative withdrawal may be reversed once the ABLE office receives the outstanding transcripts.

Students who do not have a high school diploma or equivalent will be termed "Provisionally Admitted." These students are limited to 24 graded credits at Adelphi University, upon completion of which they must apply to the New York State Department of Education for a high school equivalency diploma. Students are advised to consult with their ABLE academic advisers for further details.

Joint Degree Programs General Admission Requirements

To be accepted into a joint degree program, candidates must first apply for admission to Adelphi University, indicating their interest in a particular program. Students using an Adelphi application form can check off the appropriate box. If using the Common Application form, students may indicate their interest by completing the supplemental form to the common application. Once qualified for admission to the University, the application will be forwarded to the appropriate joint degree committee and acceptable candidates will be contacted to arrange an interview.

**Computer Science
Human Resource Information
Management
Transportation Management
Adelphi University-Polytechnic
University**

4-1 B.A./B.S. and M.S. Program

Admission Requirements

Applicants to the joint degree programs in computer science, human resource information management, and transportation management, must first apply to Adelphi University and indicate their interest in their program of choice.

As an Adelphi University undergraduate, admission to the master's program at Polytechnic University requires the successful completion of the Bachelor of Arts degree, with a minimum GPA of 3.2. Specific requirements for the M.S. in computer science include: one year of physics, biology or chemistry; one year of calculus; and a number of specific computer science courses. For the M.S. in human resource information systems or transportation management: students must complete a statistics course and attain competency with computers.

**Dentistry
Tufts University School of Dental
Medicine**

3-4 B.S./D.M.D. Program

Admission Requirements

Applicants to the joint degree program in dentistry must first apply to Adelphi University and indicate interest in the dentistry program. To be eligible for this program students must have a minimum academic average in high school of 3.2, a minimum combined SAT score of 1100, and a strong letter of recommendation from their high school counselor. Candidates are also required to participate in interviews that take place on Adelphi's campus and are conducted by both Adelphi University and Tufts University School of Dental Medicine.

To continue on to Tufts University School of Dental Medicine students must maintain a minimum GPA of 3.5 and minimally attain the Dental Aptitude Test (DAT) score agreed to by both Adelphi University and Tufts University School of Dental Medicine.

**Engineering
Columbia University, Polytechnic
University, Rensselaer Polytechnic
Institute, Stevens Institute of
Technology**

3-2 B.A./B.S. Program

Admission Requirements

Applicants to the joint degree program in engineering must first apply to Adelphi University and indicate interest in an engineering combined plan program. Adelphi University admits students who have shown aptitude for mathematics and science, and whose SAT scores, particularly math, are high.

Applicants for admission to these plans are considered on the basis of scholastic achievement, promise of future academic success, and evidence of high character and dependability. Admission requires the satisfactory completion in high school of 16 units in academic subjects, which must include the following:

- English (4 units)
- Mathematics (including trigonometry) (4 units)
- Physics (1 unit)
- Chemistry (1 unit)

For guaranteed admission to the professional school, a student must have a GPA of 3.0 or higher at Adelphi, and a recommendation from Adelphi University's Combined Plan Program Adviser.

Environmental Studies

Columbia University

3–2 B.A./B.S. Program or 4–2 B.A./M.S.

Admission Requirements

Applicants to the joint degree program in environmental studies must apply to Adelphi University and indicate interest in the environmental studies joint degree program.

Law

New York Law School

3–3 B.A./B.S. and J.D. Program

Admission Requirements

Applicants to the joint degree program in law must first apply to Adelphi University and indicate interest in the law program. Prospective students who have expressed an interest in the joint degree in law and are granted admission to Adelphi may, at the same time, be granted provisional admission to New York Law School on satisfying the following minimum criteria: incoming freshmen are required to have a minimum combined SAT score of 1200 and a minimum 3.4 GPA in a rigorous high school curriculum; or a minimum 3.5 GPA in a rigorous high school curriculum, a successful interview with a representative from New York Law School, and strong letters of recommendation attesting to high motivation and leadership potential. Transfer students must have a minimum 3.5 GPA in a liberal arts and sciences program.

As undergraduates, students must demonstrate excellent writing skills and pursue a rigorous academic major. To continue on to New York Law School students are required to submit recommendation letters from their dean and prelaw adviser. To ensure that candidates are well prepared for admission to law school, an adviser from the New York Law School is available to students while still at Adelphi.

Optometry

SUNY College of Optometry

3–4 B.S./O.D. Program

Admission Requirements

Applicants to the joint degree program in optometry must first apply to Adelphi University and indicate interest in the optometry program. High school students must have an academic average of 93; be in the top ten percent of their class; have minimum combined SAT scores of 1200, with at least 600 in math; and receive a strong recommendation from their high school counselor. In addition, applicants must participate in interviews that will be conducted by both Adelphi and the SUNY College of Optometry.

In order to continue in the program, students must maintain a minimum GPA of 3.3 and obtain scores of at least 330 in science on the Optometric Admissions Test, with no score below 310.

Physical Therapy

New York Medical College

4–3 B.S./D.P.T. Program

Admission Requirements

Applicants to the joint degree program in physical therapy must first apply to Adelphi University and indicate interest in the physical therapy program. High school seniors are expected to have above average academic records and SAT scores, along with strong letters of recommendation from their high school counselors.

For admittance to New York Medical College following the completion of a B.S. degree with a major in biology or in physical education and human performance science at Adelphi, students in the program must have a minimum GPA of 3.0 that includes a balance of coursework in the humanities, social sciences, and natural sciences, including competency in English writing. Requirements include:

- Three courses in biology including general biology, physiology, and anatomy, with laboratories

- Two courses in chemistry, with laboratories
- Two courses in physics, with laboratories
- One course in general or introductory psychology
- One course in abnormal psychology
- One course in math
- One course in statistics
- At least 50 hours of volunteer or work experience in physical therapy, including 20 hours in an acute care/hospital setting
- Current certification in first aid and cardiopulmonary resuscitation
- Course work that requires the use of or teaches computer literacy

A limited number of placements are available. Students are admitted provisionally to the New York Medical College program during their first year at Adelphi. Periodic reviews are conducted and during the student's senior year New York Medical College makes its final admission decision.

Learning Disabilities Program

Admission Requirements

Applicants for admission to the program and the University must submit the following to the Office of Admissions:

1. Completed admission application, together with a nonrefundable fee of \$35. (Check the box on the application marked L.D. Checking this box will not affect the admission decision.)
2. An official high school transcript.
3. Official transcripts from any other colleges attended.
4. An essay. (See application instructions.)

SAT scores are highly recommended but not required.

Admission Criteria:

The Learning Disabilities Program conducts a highly individualized assessment of each candidate's application and documentation. Criteria for admission include:

- Primary diagnosis of specific learning disability or attention deficit/hyperactivity disorder. Other diagnoses will not be considered.
- Average to superior intelligence as measured by the WAIS-III.
- Candidates will be socially mature and have demonstrated motivation to participate in the Program and to meet the intellectual challenges and responsibilities of university life. These qualities are assessed in interviews with the professional staff and through recommendations.
- Applicants will have succeeded in college preparatory courses and shown progress in their academic careers.
- Two letters of recommendation by professionals in the field (learning specialists, tutors, teachers, educational psychologists).

Required Documentation:

Students are required to submit the following to the office of the Learning Disabilities Program:*

- A psycho-educational evaluation of a learning disability or AD/HD, including a full and adequate interpretation that addresses the student's specific learning disability. Reasonable accommodations must be included.
- The Wechsler Adult Intelligence Scale, Third Edition, (WAIS-III), including subtest scores.
- The Woodcock-Johnson Psycho-educational Test Battery Third Edition (WJ-III), tests of cognitive ability and achievement.
- The applicant's most recent Individual Educational Plan (IEP).
- A completed application to the Learning Disabilities Program (in addition to the separate Admissions Application to the University).
- Two letters of recommendation by professionals in the field of learning disabilities.
- Transfer students must submit a high school transcript.

- Appropriate candidates will require a personal interview.

The Learning Disabilities Program will conduct a comprehensive and individualized evaluation of each candidate's application and interview. Judgment of the professional staff will determine eligibility for the Program.

Admission to the Learning Disabilities Program is limited. Applications, including all documentation must be received by March 1. For information about admission to the Learning Disabilities Program call (516) 877-4710, or visit www.adelphi.edu.

*The information requested is intended for use solely in connection with the University's voluntary action efforts to overcome the effects of conditions that may have resulted in limited participation of qualified disabled students. Response to these items is voluntary and will be kept confidential and used only in accordance with this part. Refusal to provide this information will not subject the applicant to any adverse treatment by the University.

Schools

Honors College

Admission Requirements

Prospective students with superior high school records and combined SAT scores of at least 1250 (650 verbal) who seek admission to the Honors College must complete the Honors portion of the undergraduate admission form, supply the requested evidence of their best academic or creative writing, and visit the Adelphi campus for an interview with a member of the Honors College administration or faculty. (If distance or expense prohibits a visit to campus, an interview will be conducted by telephone.) Applicants will be evaluated on the basis of a wide range of criteria, qualitative as well as quantitative. Acceptance is based on intellectual potential as well as on past achievement.

Transfer Students:

Transfer students with 56 credits or more to complete at Adelphi and with a GPA of 3.5 or better are invited to petition the Dean of the Honors College for admission. Students should be prepared to provide letters of recommendation from the college professors and examples of recent work.

Current Adelphi Students:

All undergraduates enrolled at the University may request consideration for admission to the Honors College by petitioning the Dean. Such petitions will be evaluated in accordance with the standards for freshman admission, but greater weight will be given to the student's record of achievement at Adelphi.

School of Business

Admission Requirements for Transfer Students:

Transfer students are required to meet the same standards and criteria established for other students entering the upper division of the School of Business. If a student has not transferred the courses in the specified sequence as outlined for entering freshmen, the student will be required to complete those courses to establish eligibility to enroll in the upper division. The student must maintain a GPA of 2.3 or better at Adelphi. Students transferring to Adelphi University from a regionally accredited institution should examine the business and liberal arts requirements of the degree programs offered to undergraduates. Some of the credits accepted by the Office of Admissions for transfer may not satisfy the degree requirements in the School of Business. Consult the Business Undergraduate Programs Office in Hagedorn Hall for further information.

The School of Business will not accept any grade lower than a C– for transfer credit, even if the credit is needed to guarantee junior status for students entering from a community college.

School of Nursing

Admission Requirements for Basic Students:

Qualified graduates of high schools (or individuals with equivalent preparation) may enroll in the four-year basic professional nursing curriculum leading to a Bachelor of Science degree. Applicants must meet the general requirements for admission to the University.

Transfer Students—Basic Program:

All transfer students applying to the undergraduate baccalaureate nursing program must meet the general requirements for admission of transfer students to the University. Students wishing to transfer into the baccalaureate nursing program must have a minimum cumulative GPA of 2.8. The acceptable grade for a transfer of science credits is a C+ or better. The University's admission committee will evaluate transfer credit. Because of the number of applicants and the limitations on available clinical spaces, it is recommended that applicants who have attended other institutions of higher education submit applications for transfer to the University Admissions Office by March 1 (for September entrance) or November 1 (for January entrance). The transfer applicant must submit complete transcripts of secondary school and college records to the University Admissions Office.

An admission interview may be requested of all transfer applicants. Applicants will be contacted by the School of Nursing to make arrangements. The final decision on a transfer student's application is based on the applicant's previous academic achievement, motivation, and personal characteristics necessary for success in nursing.

Admission of Students Holding Degrees in Other Majors:

Individuals holding a baccalaureate or master's degree in a major other than nursing are eligible to apply for the Bachelor of Science

degree in nursing. University policies governing the admission of transfer students apply to them. If accepted, applicants will be given 90 credits for their previous degree. Applicants, however, must also fulfill the requirements of the nursing major. In most instances this means that students will be held responsible for the professional courses and those science, math, and business courses that they lack from their previous degree.

Admission Policies for Registered Nurses: *Licensure as a registered nurse in the State of New York or eligibility for licensure endorsement is required.*

Applicants must meet general University requirements for admission. Transfer students are required to have a minimum cumulative 2.8 GPA from all the institutions from which they transfer. (Transcripts from high school, the school of nursing attended, and any subsequent institutions of higher education must be submitted at the time of application.)

Registered Nurse Transfer Students:

Graduates from associate degree programs are admitted with all applicable credits obtained in their program; however, 64 is the maximum number of credits an associate degree graduate may apply to the Bachelor of Science degree in nursing. Diploma graduates may obtain the required nursing credits by a combination of Excelsior credits and college courses. Students who have received an A.A. or A.S. degree (but not an A.A.S. degree) from an accredited institution prior to their transfer to Adelphi are exempt from all General Education requirements.

School of Social Work

Admission Requirements

Criteria for admission to the social work program include:

- 60 approved college credits with concentration in liberal arts;
- Minimum cumulative GPA of 2.8;
- Demonstrated motivation and capacity to work with people, and personal values congruent with the N.A.S.W. Code of Ethics;
- Experience in the human services (highly desirable).

Procedures for All Social Work Applicants

In addition to the University application, the social work program has its own application form that must be completed and submitted to the director of the program. To enter the junior year of the social work program, students currently enrolled at Adelphi must meet the same criteria and follow the same procedures as transfer students. It requires a personal statement in which the applicant explains why he/she wishes to become a social worker and describes his or her past experiences working with people. Two letters of reference must be submitted directly to the director on forms provided with the application. The letters of reference should be from individuals who can comment on the applicant's capacity for social work. Recommendations are acceptable from work supervisors or university instructors. A personal interview with the program director is required. Following review of the application materials and interview, a determination is made and the applicant is notified by mail.

Transfer Students:

Transfer students must first apply to the Admissions Office of Adelphi University. The Admissions Office will determine acceptance and evaluate the applicant's academic record to decide which courses are acceptable and which

General Education courses still need to be taken. The University must accept applicants before they can be accepted into the social work program.

Social work courses from community colleges or from nonaccredited social work programs can be considered as electives if approved with a grade of "C" or better, but are not accepted as the equivalent of Adelphi's social work courses. Students who expect to transfer from other colleges or universities should concentrate on earning credits in the humanities—particularly language, literature, and the arts—and in the natural sciences. No more than 64 credits earned at a two-year college may be transferred at Adelphi. Students planning to transfer to the ANSWER program should contact the program director for specific information on liberal arts requirements. Courses taken through social work programs accredited by the Council on Social Work Education are evaluated to determine equivalency to Adelphi's social work courses on an individual basis. Applicants may be asked to submit college bulletins, course syllabi, and other relevant materials.

Admission of Veterans

Adelphi welcomes the opportunity to assist qualified veterans in their academic plans and preparation for the future. The University considers, on an individual basis, the needs, interests, and purposes of veterans who desire higher education.

Admission of International Students

Adelphi encourages applications from students of diverse backgrounds who add to the international dimension of the University.

It is recommended that applications for admission from international students be received by the Office of Admissions by June 1 for the fall semester and December 1 for the spring semester. Admission of international students is based on evidence of superior academic achievement and demonstrated proficiency in English. Further

instructions on the admissions process and application requirements may be obtained by writing to the Office of Admissions and requesting the *International Student Handbook*.

The cost of attending Adelphi University is the full responsibility of international students and their families or sponsors.

Designation of Student Status

Official designation of the status of “student” at Adelphi University is reserved for those individuals who have applied to the University for acceptance to a particular program or school and have been granted admission (in writing) and in accordance with the University policies that govern such decisions. University recognition of an individual as a student does not, however, imply or assign matriculation in the particular school or program of choice. Candidates who desire matriculation into a degree or certificate program are advised to investigate all the requirements necessary for official acceptance into their program of interest.

Further consideration of the assigned status of “student” follows:

Nondegree Candidates

In order to register for classes as a nondegree candidate, applicants are required to complete a nondegree application and submit an application fee with the appropriate materials as outlined:

Visiting Student (taking courses at Adelphi with the intention of having them transferred back to the degree-granting institution): A letter from the college from which the student will receive a degree must be submitted each semester recommending which courses can be taken at Adelphi. This letter must also state that the credits earned from these courses will be accepted in transfer by the degree-granting institution.

Graduate Student (taking undergraduate prerequisite courses): Applicants must submit proof of baccalaureate degree by official tran-

script or copy of diploma. (Students intending to pursue a master’s degree at Adelphi University after completing undergraduate prerequisite courses at Adelphi should contact the Office of University Admissions for the appropriate application.)

Special Student: Proof of high school graduation must be submitted. Applicants must have graduated at least one year before applying as a nondegree candidate. Permission to attend will be considered on an individual basis.

Application for University Housing

Residence hall housing is available through the Office of Residential Life. Applicants for admission are encouraged to apply for housing in one of Adelphi’s six residence halls. Those interested in University housing should indicate their interest on the application for admission.

Community housing is also available. For additional information, please contact the Office of Commuter Student Affairs at (516) 877-6667.

Graduation and Retention Rates

Under the Student Right-to-Know, the Campus Security Act, and other education laws, colleges and universities must make available retention and graduation rates for full-time undergraduate students admitted to degree programs beginning July 1, 1991. Retention and graduation rates for student athletes receiving aid must also be made available. This information may be obtained from the Office of the Provost.

EXPENSES AND
FINANCIAL AID

Tuition and Fees

The following Tuition and Fee Policy pertains to the 2003–2004 academic year. The Board of Trustees of Adelphi University reserves the right to change this tuition and fee schedule without prior notice. The Office of Student Financial Services, (516) 877-3080, must be consulted for the current tuition and fees schedule.

The Comprehensive Tuition and Fee rate for 2003–2004 is \$17,800. Tuition and fees are payable either by mail or in person at the Office of Student Financial Services, or by phone with Mastercard or Visa. Checks and money orders should be made payable to Adelphi University. All payments will be applied to past-due balances first.

Charges billed by the University are outlined below. Students and parents, however, should plan for expenditures associated with books, travel, and personal items.

Tuition and Fee Rates

	2003–2004 Academic Year
Undergraduate, Full Time (12–17 credits per semester)	
Tuition and University Fees, per year (including nonrefundable fees of \$800)	\$17,600
Student Activity Fee	\$200
Comprehensive Tuition Fee	\$17,800
Tuition and University Fees, Upper Division Nursing and Social Work, per year (including nonrefundable fees of \$800)	\$18,550
Student Activity Fee	\$200
Comprehensive Tuition Fee	\$18,750

*There is a \$100 charge for each
Clinical Nursing Course.*

2003–2004 Academic Year

Undergraduate, Part Time

(1–11 credits per semester)

Tuition, per credit hour	\$545
University Fees (nonrefundable), per year	\$400
Student Activity Fee	\$40
Tuition per credit hour, Upper Division Nursing and Social Work	\$555
University Fees (nonrefundable), per year	\$500

*There is a \$100 charge for each
Clinical Nursing Course.*

University Fees

University Fees cover the use of all academic and recreational facilities. They also include use of the library, gymnasium, health services, counseling, and career services, and provide for security, course materials/lab fees, and accident insurance for all students.

Student Activity Fee

The Student Activity Fee is allocated and disbursed by the Student Government Association to recognized student groups.

Other Fees and Charges

Application Fee (nonrefundable)	\$35
Graduation Reapplication Fee	\$25
Graduation Late Filing Fee	\$25
Late Registration Fee (Check current <i>Directory of Classes</i> for appropriate calendar)	
Medical Insurance (Annual)	TBA
Orientation Fee (Freshmen, Fall Semester only)	\$200
Orientation Fee (Transfers/Freshmen, Spring Semester only)	\$50
Program Change, each form	\$25
Registration Reinstatement Fee	\$150
Returned Check (in addition to charge for late payment of tuition)	\$25

Learning Disabilities Program Fee (per semester)	\$2,350
Learning Disabilities Program Fee (Summer)	\$1,410
Transcripts	\$10
Deferred Payment Plan Fee	\$50
Laboratory, Studio, and Workshop Fees (specified with course listings in the <i>Directory of Classes</i>)	Variable
Private Music Instruction	\$640
Professional Liability Insurance (Specified after each course in the <i>Directory of Classes</i>)	Variable
Withdrawal Fee	\$100

Payment Policy

Tuition and fees are payable in full at the time of registration. Students registering for the fall semester prior to June 30, and the spring semester prior to November 30, will be billed in July and December, respectively. Students are responsible for all charges regardless of billing. Students are required to notify the Office of the Registrar of their appropriate billing address and to contact the Office of Student Financial Services if bills are not received. Payments must be made in accordance with University policies, whether or not bills are received.

Deferred Payment Plan—Students may elect a deferred payment plan for each semester. One-half of the balance, plus the \$50 deferred payment plan fee, is due by August 1 for the fall semester or January 6 for the spring semester. Students who register after June 30 or November 30 must pay one-half of the balance due plus the \$50 deferred payment plan fee, when registering.

Monthly Payment Plan—Many students have indicated a preference to pay on a monthly basis. Adelphi offers Tuition Pay (Academic Management Services—AMS), which provides for payment in monthly installments as an alternative. Information on this plan is mailed to all students before each semester and can also be

obtained in the Office of Student Financial Services.

Late Payment Fees—All tuition and fee charges are due at registration unless the deferred payment plan or the AMS monthly payment plan is elected. Failure to make payments on time will result in the assessment of late penalties, as defined below and in the class schedule. Programs not following the traditional semester calendar are also subject to late payment fees.

Students having outstanding indebtedness to the University will not be permitted to register, receive a transcript/grade report, or have a degree conferred. No student may withdraw or graduate from the University in good standing unless all current obligations are paid in full. Federal and state regulations, as well as University policy, preclude the use of any current financial aid for payment of past due charges.

Late Payment Fees

Fall Semester

Payment after August 1	\$50
Payment after October 15(add'l)	\$25
Payment after October 31(add'l)	\$100

Spring Semester

Payment after January 6	\$50
Payment after March 15(add'l)	\$25
Payment after March 31(add'l)	\$100

Residence Fees

Annual Room and Board Rate (per person/per academic year):*

Doubles—Most students will have a double room as these are the most common on the campus.

- \$5,400 Double
- \$6,000 Double with air-conditioning
- \$6,900 Double in a suite (semi-private bath)
- \$7,000 in New Residence Hall

Singles—There are very few single rooms and they are usually used for special circumstances.

- \$6,300 Single
- \$6,900 Single with air-conditioning
- \$7,300 in New Residence Hall

Triples—These rooms were doubles but will accommodate 3 students with the additional furniture.

- \$6,500 Suite in New Residence Hall
- \$6,300 Converted double in New Residence Hall (semi-private bath)
- \$5,500 Designed room with air-conditioning

Meal Plans

All resident students must select one of the following meal plans:

- Basic..... \$2,200
- Average..... \$2,800
- Heavy..... \$3,200

These plans may be supplemented at any time in increments of \$50. Further information on resident meal plans is available from the Office of Residential Life and Housing in Earle Hall 100, (516) 877-3650.

Commuter students may also purchase meal plans. For information on commuter meal plans, contact the Office of Commuter Student Affairs in the University Center 109, (516) 877-6667.

Medical Insurance

All residence hall and international students

are automatically enrolled in Adelphi's student medical insurance plan. A student who is already covered by alternative medical insurance, and wishes to cancel Adelphi's coverage, must bring evidence of such medical insurance to the Health Services Office by October 1 (for the fall semester) or March 1 (for the spring semester). Likewise, those students who do not have medical insurance coverage and wish to enroll in Adelphi's plan must do so by the same dates.

Room and Board Deposit

Each new resident student granted University housing is required to pay a \$100 damage deposit in addition to the \$250 tuition deposit before May 1 of each year. New students accepted after May 1 must make this deposit before they can be assigned to a room.

Refund Policy for Tuition

Refunds are computed as of the date the Registrar is notified of the withdrawal. The date of the request will determine the tuition liability for the semester.

Nonattendance in a course does not constitute an official withdrawal. Students will be held responsible for payment of all tuition and fees until an official withdrawal is presented to the Registrar.

Refunds do not depend on the number of class sessions held or attended. Failure to complete payment is not an official withdrawal. A student who is suspended or dismissed or who withdraws when under investigation for misconduct shall not have tuition refunded for the semester in which such action is taken.

All refunds of credit balances must be requested from the Office of Student Financial Services.

All students who withdraw from the University prior to the first day of classes will receive a credit for all tuition and fees, less the mandatory withdrawal fee.

Refund Schedules

Title IV Recipients

Adelphi University's refund policy conforms to the updated version (Section 668.22) of the Higher Education Amendments of 1998. In accordance with federal regulations, students who withdraw from the University and have Federal Title IV financial assistance (Federal Stafford Loan, Federal Parent Loan for Undergraduate Students, Federal SEOG, Federal Perkins Loan, or Federal Pell Grant) that has been credited or could have been credited to their account, will be subject to both Federal Policy regarding the possible return of Title IV funds awarded AND Adelphi University's policy regarding the possible return of institutional aid awarded. Furthermore, the amount of refundable institutional charges (and/or possible reduction of outstanding balance) will be set by school policy.

The federal government and the school policy will be similar regarding the amount of student aid that may be retained (for related school expenses). Only that amount of the semester's aid that has been earned (as a result of the prorated amount of time the student has been in school for that semester) will be eligible for retention on the student's behalf. Any aid that is not earned must be returned to its source. (The amounts to be returned to federal programs will vary based upon the type of program, the total amount to be returned, and the government's determination of the order in which aid is returned to the programs.) If there is a student account balance resulting from these adjustments, the student is responsible for payment.

The order of return of Title IV funds at Adelphi University is as follows:

- Unsubsidized Federal Stafford loans
- Subsidized Federal Stafford loans
- Federal Perkins loans
- Federal Plus loans
- Federal Pell Grants
- Federal SEOG Grants
- Other Title IV programs

Sample worksheets for calculation are available in the office of Student Financial Services upon request.

Non-Title IV Recipients

All students who are ineligible for assistance under the Federal Title IV programs are subject to the following refund schedule for a traditional 15-week semester:

Full/partial drop/withdrawal prior to the	
first day of the semester	100%
Full/partial drop/withdrawal by	
the end of the first week	90%
Full/partial drop/withdrawal by	
the end of the second week	50%
Full/partial drop/withdrawal by	
the end of the third week	50%
Full/partial drop/withdrawal by	
the end of the fourth week	25%
Thereafter	0%

Residence Fees Refund

Room and board charges (less nonrefundable deposits) will be refunded in full prior to occupancy. The housing deposit will be refunded provided that the Office of Residential Life and Housing is notified by the student in writing of the cancellation prior to July 15 for the fall semester or December 15 for the spring semester. After these dates, the deposit will be forfeited. Except in the case of midyear graduation or withdrawal from the institution, the housing agreement is binding from the date of occupancy to the end of the current academic year. Upon occupancy, the housing deposit is used as a damage deposit. A student may be released from this agreement only if approved by a special committee that shall review each request individually and with reference to prevailing University policy for granting such waivers. Should a resident withdraw from the University, that student must notify the Office of Residential Life and Housing, in writing, and then follow appropriate procedures by checking out with a residential life staff member. All

room refunds are subject to the room refund schedule found in the *Directory of Classes*. Please review the schedule before requesting a refund.

A student who is suspended or dismissed from the University or from housing, or who withdraws when under investigation for misconduct, shall not have housing fees refunded for the semester in which such action is taken.

All refunds of credit balances must be requested from the Office of Student Financial Services.

Financial Assistance

Adelphi University offers a wide variety of financial assistance programs in addition to the various federal and state programs that currently exist.

Financial assistance is any grant, scholarship, loan, or employment opportunity that is offered to an enrolled or prospective student with the express purpose of helping the student meet educational expenses.

The amounts and types of financial assistance that a student receives are determined by the eligibility of the applicant for each program. The combination of these various awards is commonly referred to as the “financial aid package.”

The University expects each student to have knowledge of the information presented in the *Undergraduate Bulletin* and appropriate *Directory of Classes*.

Responsibilities of Financial Assistance Recipients

Students receiving financial assistance have the following responsibilities:

1. To complete an *annual* application for financial assistance by the deadline prescribed by the University.
2. To meet the requirements of good academic standing.
3. To maintain satisfactory academic progress toward the baccalaureate. Charts outlining the requirements for Satisfactory Academic Progress may be obtained in the Office of Student Financial Services and will accompany all financial aid award letters.
4. To report to the Office of Student Financial Services any changes in enrollment status, changes of name or address, and receipt of any additional internal or external financial assistance.

The University reserves the right to make adjustments in financial assistance packages because of changes in the recipient's enrollment or residency status, income discrepancies, or financial circumstances.

The University further reserves the right to make proportionate adjustments in campus-administered financial assistance if federal, state, or private funding to the University changes.

Students who withdraw from the University before the end of an academic term may be required to repay a portion of their financial assistance.

Application Procedures

Students applying for financial assistance must complete the Free Application for Federal Student Aid (FAFSA). All New York State residents who are receiving financial assistance from Adelphi are required to apply to New York State for the Tuition Assistance Program (TAP) grant. The completed FAFSA must be filed with the Federal Government as soon after January 1 as possible. New York State will then mail state residents a pre-printed TAP application beginning in April, which should be reviewed and returned to New York State.

If a student transfers from another institution to Adelphi University during the same award year, federal regulations require that we request through the National Student Loan Data System (NSLDS) updated information about any fall disbursements so that your spring disbursements are accurate and do not exceed any federally mandated maximums. Since the information on the NSLDS system may not be accessed earlier than 30 days before the start of the spring semester, your assistance package may change after review of your record on the NSLDS system.

Once freshmen and transfer students are accepted to the University by the Office of Admissions, they will be notified of their financial assistance eligibility approximately four weeks after the Office of Student Financial Services has received their processed FAFSA. Although award decisions will not be made until an applicant has been officially accepted by the Admissions Office, it is important to note that financial assistance applications should be completed prior to admission acceptance.

Application Deadlines

Applications for all financial assistance programs should be made by all new and continuing students as soon after January 1 as possible. The various state and federal programs have deadline dates that extend throughout the academic year. Consult the Office of Student Financial Services for specific dates that may affect applications for these programs.

The completed FAFSA should be mailed as soon after January 1 as possible. *Filing by February 15 will maximize access to the various financial assistance programs.* Applications made after February 15 will only be considered if funds remain available.

Academic Requirements to Maintain Financial Assistance

Financial assistance recipients must be in good academic standing and must be making satisfactory academic progress. Failure to meet established criteria will result in the loss of financial assistance. Details concerning established criteria are available in the Office of Academic Services and Retention and the Office of Student Financial Services.

If a student is officially withdrawing from the University, the "W" grades will not count toward unsatisfactory credits. (See the section titled "University Withdrawal.")

Hours attempted constitute all courses a student registers for, including courses in which grades of I and W are given.

Credits earned include all courses in which grades of A, B, C, D, or P are given.

Students who do not make satisfactory progress because they have failed to earn the required credit ratio due to grades of W, F, or I, are not eligible for financial assistance. The federal criteria and New York State Tuition Assistance Program requirements may vary from the University criteria. Please contact the Office of Student Financial Services for more specific information.

Institutional Programs

Adelphi offers a full range of scholarships. Scholarships are generally awarded to students who attend on a full-time basis and have either high academic records or expertise in a particular area.

Academic Scholarships—Trustee Scholarships, Presidential Scholarships, Provost Scholarships, Deans' Scholarships, and all other achievement awards are awarded to new freshman, and transfer students based on high academic records and full-time enrollment (a minimum of 12 credits per semester). Further requirements (i.e., GPA and renewal criteria) for each scholarship are specified in each student's scholarship letter.

Talent Awards—Technical theater, performing arts, art, music, communications, athletic scholarships, and recognition awards are awarded to students with expertise in a particular area. These scholarships are awarded to new, full-time students by the individual departments based on participation in the specified activity, GPA, and academic standing. Further requirements for the continuation and renewal of these scholarships are specified in each student's scholarship letter.

Adelphi University Financial Grant

This grant is based on consideration of a student's financial circumstances. Renewal criteria depend on continued financial need, GPA, and standing related to disciplinary matters.

Adelphi University Part-Time Transfer Merit Award—The Adelphi University Transfer Merit Award for part-time students is offered to new, part-time students who demonstrate high academic achievement. For transfers, initial criteria include a transfer GPA of at least 3.0.

Eagle Scout, Girl Scout Gold, and Explorer Awards—These awards are offered to new, full-time students who demonstrate high academic achievement. Initial criteria include a minimum cumulative GPA of 3.0 (83–85 average) and an 1100 SAT score with a top 30% rank of your high school class or a 1000 SAT score with a top 25% rank of your high school class.

Alumni Award—Children or grandchildren of Adelphi alumni are eligible to receive a \$1,000 scholarship. Be sure to indicate on your application if one parent or grandparent graduated from Adelphi University in order to receive the award.

For Further Information—Please contact Adelphi University Office of Student Financial Services at (516) 877-3080.

Endowed and Restricted Scholarships

Recipients of restricted and endowed scholarships will be selected during the financial aid packaging process, based upon the criteria specified by the donor. No separate application is required.

Endowment Funds

The ATEP Associates Scholarship targets needy education majors with academic awards.

The Helen Baldwin Scholarship targets sophomores, juniors, and seniors with good academic records.

The Barlow Scholarship targets students with good academics.

The Clara Bartlett Scholarship in History was established in the early 1900's and was funded under the terms of the will of the former Dean of the Class of 1904. It is to be awarded to an outstanding junior majoring in history and recommended by the department chair.

The Caroline Mathilda Behre Fund was established in 1911 by Mrs. A. Frederic Behre for female students of the Delta Gamma sorority.

The Nicola and Maria Bologna Memorial Scholarship was established by Mr. and Mrs. Lewis Barton to support commuting undergraduate students who exhibit unrealized academic potential, determination, ability to succeed, and financial need.

The Rose Brenner Scholarship was created in the early 1900's from the estate of Rose Brenner, Adelphi Alumna 1906, for deserving students, with preference given to students of Jewish decent.

The Caplin-Bloom Scholarship was established around 1915 to assist female students with good academics and financial need.

The Elinor Corwin Scholarship was created in 1984 to be awarded to a student in the School of Nursing.

The Agnes E. Demonde Scholarship was established in the early 1900's through a gift of Miss Agnes E. Demonde for upperclass students.

The John Eddy Memorial Fund was established for descendants of former Adelphi President John Eddy or for students with financial need.

The Edna F. Tobias Scholarship, in memory of the mother of a former Trustee, Mr. C. Ellsworth Tobias, provides undergraduate assistance to students demonstrating financial need.

The Evening Student Scholarship Fund was created in 1973 by the Evening Students' Council at Adelphi to provide assistance to undergraduate part-time students of superior academic ability and financial need.

The Milton Frank Scholarship was established in 1993 in memory of Milton Frank, Special Assistant to the President, to a student majoring in communications or English.

The John W. Gibb Scholarship was created around 1915 from the estate of Mrs. Sarah M. Gibb to assist upperclass students.

The Charles Garelick Scholarship, in accordance with the wishes of Charles Garelick is awarded to undergraduate students in the School of Nursing.

The Philip Goldstein Scholarship targets math majors with good academics.

The Golden Anniversary Fund, established in 1986 was funded by the Class of 1936, on their fiftieth reunion, to reward students of good academic standing.

The Elise Grace Scholarship, funded about 1973 provides awards based on high academic standing to nursing majors.

The Pearl Jolles Groothius Memorial Fund was begun in 1957 by Irving Groothius in memory of his wife for a voice/music major selected by the music chairperson.

The Ruth S. Harley Scholarship was established in 1970 by members of the Lantern, a former student service group at Adelphi, for the benefit of outstanding junior or senior female students with good scholastic standing and who are active in student affairs.

The James L. Hathaway Memorial Nursing Scholarship was established by Mrs. Maria L. Pritchard (Class of 1922) and Mrs. Dorothy Hathaway (Class of 1927) in memory of their brother for undergraduate nursing students.

The Barbara Schiller Smalbach Scholarship was established to reward language majors.

The Lucille Sophar Hays Fund was created to reward female students with both financial need and good academic standing.

The Susan Hay Marcy Scholarship was created in 1979 in accordance with the terms of Susan H. Marcy's will. It was to serve as a continuation of the George T. Hay Scholarship Fund, named for her father in the early 1900's, which she maintained up until her death. The award supports female students of high academic standing.

The Juliette Hollenback Memorial Scholarship, established in the early 1900's by a gift from the Kappa Kappa Gamma Sorority for upperclass students of high academic standing.

The W. G. Holloway Scholarship was established about 1977 for high academics in the School of Nursing.

The Jamaica Real Estate Board Scholarship was established in 1977 by the Jamaica Real Estate Board Corporation to provide worthy and needy students from the Jamaica area with tuition assistance.

The John McGoldrick Memorial Scholarship was established to assist part-time students with a preference given to students working in the criminal justice field.

The Helen MacDonough Scholarship targets female English or history majors who enroll on a full-time basis.

The Marion Barrian Mann Memorial Scholarship, established in 1985 by Mrs. Marion M. Roberts in memory of her mother to aid School of Nursing students with good academic standing.

The Mooney Memorial Scholarship provides annual awards to sophomore language majors.

The Samuel J. Moritz Memorial Scholarship assists piano students selected by the Music Chairperson.

The Nassau Chapter Alumni Scholarship assists children of alumni residing in Nassau County.

The David Newton Scholarship was established to assist students who are University College or General Studies students.

The One Hundred Black Men Scholarship Fund was begun in 1985 by 100 Black Men of Nassau/Suffolk to assist junior or senior black students in the School of Business residing in Nassau or Suffolk counties.

The Lawrence Rasmussen Scholarship assists voice/music majors selected by the music chairperson.

The Reader's Digest Foundation Scholarship, since 1965 has offered awards based on need and academic merit.

The Republic Aviation Fund provides awards to students residing in Nassau or Suffolk County based on financial need.

The Silver Anniversary Scholarship began in 1986 by the Class of 1961, on their twenty-fifth reunion, to assist students with good academic standing.

The Douglas Vogel Memorial Scholarship was established in 1966 by Mrs. Cecile Ruth Vogel in memory of her nephew, Douglas, from the Class of 1965. The funds are used to assist male students who demonstrate financial need.

The Hayden Wheeler Fund was established about 1915 by the wife of a longtime trustee and Treasurer of Adelphi to provide funds to needy upperclassmen.

Annual Grants

The Lotte Kaliski Foundation Grant, since 1988 has provided annual assistance to gifted students who are physically handicapped or learning disabled.

The Rudin Scholarship is funded annually by the Louis and Rachel Rudin Foundation, Inc., for nursing students in financial need.

Restricted Funds

The Adelphi Traveling Scholarship assists needy athletes at Adelphi University.

The Barlow Scholarship assists students with good academics.

The Alexander Barnes Scholarship was established by family and friends of Alex Barnes, to assist performing arts majors.

The Norman J. Berkun Memorial Scholarship funded annually by Mr. and Mrs. Willard DaSilva provides awards to junior year business students of high academic standing and financial need.

The Edward A. Burke Physics Scholarship was established for physics majors in the early 1980's in memory of Adelphi professor Edward A. Burke.

The Helen Hirsch Bernstein Scholarship assists deserving students of Jewish descent.

The Coston Crouse Abstainer Scholarship was created in 1990 in memory of Coston C. Crouse. The scholarship is awarded to students who abstain from substance use inclusive of tobacco, alcohol, and drugs.

The Fleet Bank Scholarship awarded to graduate or undergraduate business students with a good GPA

The Rita Gold Scholarship was established in 1988 by Rita Gold, in memory of her son, for ABLE students in financial need.

The Perrine Gordon Scholarship was created by friends and family in memory of Perrine Gordon, a secretary at the School of Nursing at Adelphi, to assist nursing students.

The Isenberg Scholarship awarded to undergraduate students with a good GPA and financial need who submit an approved essay.

The Lillian Jackson Scholarship assists deserving music majors.

The Florence Kessler Scholarship assists students with good academics.

The Knorr Scholarship is awarded to Lutheran students or graduates of a Lutheran High School in financial need.

The W. O'Connell Luthy Scholarship awarded to single undergraduate females studying business or nursing.

The Helen MacDonough Scholarship is an endowed scholarship that was created in 1998 by Helen Marie MacDonough, class of 1933, for female students pursuing a degree in history and/or English.

The Justina Eisenhower Mickiewicz Scholarship, an endowed scholarship established in 1989 by family and friends in memory of Justina Eisenhower Mickiewicz, nursing faculty member, Director of Student Relations, former trustee. Originally, this was a memorial lecture, but was converted in 1994 to a scholarship.

The Modin Scholarship was established in 1977 by the Modin Foundation for junior or senior nursing students in financial need.

The Herbert Perlman Scholarship was established in 1982 for graduate/undergraduate students in the School of Management and Business who demonstrate financial need.

The Redding-Goldsmith Scholarship was established in 1978 for students who exemplify the ideals of the University: warmth, friendliness, concern for others, and service. The award is limited to members of Delta Tau Alpha.

Redding-Goldsmith Memorial awarded to undergraduate seniors with good academics.

The Estelle Schacter Grant-in-Aid Scholarship assists students with financial need.

The Scheuer Family Scholarship, established in 1998 by James Scheuer, a graduate of

the Learning Disabilities Program, for students in this program who demonstrate financial need.

The Silverman Scholarship awarded to undergraduate accounting majors with a good GPA, demonstrating need and submission of an essay approved by the donor.

The Barbara Schiller Smalbach Endowed Scholarship was established in 1998 by David Smalbach, in memory of his wife, Barbara, class of 1977, to be awarded to language students of high academic standing and financial need.

The Winikoff Scholarship was established in 1966 by Marcia and Stanley Winikoff in memory of their daughter, Ellen, for female students with financial need.

The Margaret Winslow Scholarship assists deserving students.

Recipients of the following awards and prizes are selected by members of the organization or the department:

- Burleigh Award
- C.A.L.I.B.E.R. Award
- Wesley D. Camp Fund
- Robert Devlin Memorial Scholarship
- Helene Fuld Grant
- Hagedorn Foundation Grant
- Hochfelder Award
- McGrillies Award
- N.A.A.C.P. Scholarship
- SAB UMOJA Scholarship
- Shnayerson Art Award
- Shnayerson History Award
- H. Sultan Scholarship
- Marvin Tiger Scholarship

Federal Programs

It should be noted that while an applicant may indicate interest in a campus-based federal programs, final responsibility for the selection of

students and amount of award rests with the University, and that selection is guided by the availability of funds and student need. To remain eligible, students must demonstrate continued financial need and be in good standing in academic and disciplinary matters.

Federal Pell Grant—A federal program designed to provide financial assistance to those in need. The amount of the grant is determined on the basis of student and family income and assets, in accordance with strict government formulas. The federal programs listed below are administered by the University. Students apply for these programs through submission of the FAFSA, with additional income verification documentation if requested, and by observing the application deadlines.

Federal Supplemental Educational Opportunity Grant (FSEOG)—A federal grant program that provides grants to students who demonstrate financial need and are eligible Federal Pell Grant recipients.

Federal Perkins Loan—A student loan program subsidized by the federal government available to assist undergraduates in financing their education. The interest rate is 5% per year with repayment beginning nine months after a student leaves school or graduates. Repayment must be completed within a 10-year period.

Federal Nursing Loan—This program provides low interest loans to students enrolled in a nursing program. The interest rate is 5% per year with repayment beginning nine months after a student leaves school or graduates. Repayment must be completed within a 10-year period.

Federal Work Study Program (FWS)—This program provides employment for students demonstrating financial need. Jobs are on campus. The maximum amount a recipient can earn is determined by financial need.

Federal Stafford Loan—A Stafford Loan is a low-interest loan available to students enrolled in a minimum of 6 credits per semes-

ter. These loans are made by a lender such as a bank, credit union, or savings and loan association and are guaranteed by the federal government. Depending on the need of the student as calculated by the Department of Education, these loans are either made on a subsidized basis, where the federal government pays the interest during the enrollment period, or an unsubsidized basis, where the student is responsible for such interest. Maximum loan amounts for dependent students are \$2,625 for freshmen, \$3,500 for sophomores, and \$5,500 for juniors and seniors. Maximum loan amounts for independent students are \$6,625 for freshmen, \$7,500 for sophomores, and \$10,500 for juniors and seniors. Effective July 1, 2002, the in-school interest rate is 3.46% for the Federal Stafford Loan. The repayment interest rate is 4.06%. Repayment of the loan begins six months after the student ceases to be enrolled at least half time.

Parent Loan for Undergraduate Students (PLUS)—A PLUS loan is available to parents of dependent children enrolled in a minimum of 6 credits per semester. A parent may borrow up to the cost of education, less any other financial assistance, each academic year. Credit worthiness is a factor in obtaining this loan. PLUS loans carry variable interest rates, set each June. The interest rate as of July 1, 2002, is 4.86%. Repayment of the loan begins within 60 days of when the loan is disbursed unless special deferment conditions apply. More information and applications are available from participating lending institutions or the Office of Student Financial Services.

Ombudsman Information for Title IV Students—The Office of Student Financial Assistance Ombudsman is available to assist students in resolving loan disputes and other problems. Contact them at 1-202-401-4498 (Washington, DC) or toll-free at 1-877-557-2575 for assistance. On the Web, additional information is available at <http://www.sfahelp.ed.gov> or access the Adelphi Web site at www.adelphi.edu.

phi.edu, select Student Financial Services, and Other Helpful Sites for the link to this important Ombudsman information.

New York State Programs

New York State Tuition Assistance Program (TAP)—This program offers aid to residents of New York State, based on the income of parents and students. Application and renewal of TAP commences by completing the FASFA. Pre-printed TAP applications are mailed to the student beginning in April of each year. Students must be full-time (12 or more credits per semester) to be eligible.

Aid for Part-Time Study—The Aid for Part-Time Study (APTS) program provides grant assistance to New York State residents who are part-time undergraduate students. A completed APTS application must be filed with the Office of Student Financial Services by October 5 for the fall semester and by February 15 for the spring semester.

Vietnam Veteran Tuition Awards (VETA)—Vietnam Veterans Tuition Awards provide up to \$1,000 per semester for full-time study or \$500 per semester for part-time study to Vietnam veterans matriculated in an undergraduate degree-granting program.

Persian Gulf Veterans Tuition Awards (PGVTA)—Persian Gulf Veterans Tuition Awards provide up to \$1,000 per semester for full-time study or \$500 per semester for part-time study to Persian Gulf veterans matriculated in an undergraduate degree-granting program.

Robert C. Byrd Honors Scholarship—This competitive federal honors program provides scholarships to academically talented high school seniors who are New York State residents and plan to attend any approved institution of higher learning in the United States. For further information contact Higher Education Services Corporation (HESC), Student Information, Albany, NY 12255 or visit HESC's World Wide Web site at www.hesc.com.

Regents Professional Opportunity Scholarship—New York State residents attending, or planning to attend, a New York College as an undergraduate or graduate student pursuing a career in certain licensed professions may be eligible for an award from the Regents Professional Opportunity Scholarship Program.

Selection priority is given to: (1) those who are economically disadvantaged and who are members of a minority group that is historically underrepresented in the chosen profession; (2) those who are members of a minority group that has been historically underrepresented in the chosen profession; (3) graduates of the following programs: SEEK; College Discovery, EOP, or HEOP.

Awards range from \$1,000–\$5,000 per year.

Award recipients must agree to work one year for each annual payment received. Employment must be in the studied profession and must be in New York State.

Contact NYS Education Department in the fall prior to the academic year for which the student is applying for the application deadline.

For further information, contact NYS Education Department, Bureau of College, School and Community Collaboration, Cultural Education Center, Room 5C64, Albany, NY, 11230.

The Memorial Scholarship—Awards are granted to the child of either a police officer or a regular or volunteer firefighter in New York State who died as a result of an injury sustained in the line of duty. Students must be enrolled full-time. Applications are available in high school guidance offices or can be obtained from NYSHESC, 99 Washington Ave., Albany, NY, 12255.

Aid to Native Americans—Students listed on an official roll of a New York State tribe or who are children of an enrolled member may be entitled to an award. Applications can be obtained from Native American Education Department, Albany, NY, 12230.

For further information, contact Higher Education Services Corp. (HESC), Student Information, Albany, NY 12255 or visit HESC's Web site at www.hesc.com.

Other Assistance—Several lenders offer credit based “alternative loans” for students who need to borrow above the Federal Stafford loan limits. For these alternative loans, students may borrow up to their total cost of education, less all other financial aid that they are receiving for the loan period. The features, eligibility, and repayment requirements for these alternative loans vary depending on the program. To find out more about them, contact the Office of Student Financial Services at (516) 877-3080.

Following is a list of available alternative loan programs:

Loan Program	Lender
1. Citiassist	Citibank
2. Signature Student Loan	Sallie Mae, Affiliated Lenders
3. Grad Excel Loan	Nellie Mae
4. Teri Loan	Multiple Lenders
5. Key Alternative Loan	Key Bank, USA

Financial Assistance Policies

All financial assistance awards are made based on the information available as of the date of the financial assistance award letter. If the student receives financial assistance from sources not specified in the award letter, either from Adelphi or from outside sources, Adelphi reserves the right to adjust the financial assistance package.

The Office of Student Financial Services should be notified of any change to the family's financial situation after the completion of the FAFSA if the student or parents believe it could affect the student's eligibility for assistance.

Adjustments to a student's financial assistance award may be made at the discretion of the Office of Student Financial Services. Some common reasons for adjustments are change in budgets (for example, if the student moves from University housing to private housing), documentation of incorrect income and asset information, change in family circumstances, awarding of outside or

academic scholarships, or any other change in information that in the opinion of the Office of Student Financial Services justifies a change in the financial assistance awards.

Students receiving institutional scholarships that exceed the cost of tuition may be subject to federal income tax on the amount by which the award exceeds tuition. We recommend students check with their tax consultant for further information.

Foreign Students

Federal and state financial aid programs are limited to U.S. citizens and resident aliens (persons with Form I-151, also called a “Green Card”).

Study Abroad Programs

Any Adelphi student wishing to study in another country through International Student Services/Study Abroad must notify the Office of Student Financial Services *no later than* eight weeks prior to departure.

Please refer to this *Bulletin*’s “Study Abroad” section to obtain information about the process to be followed to receive academic approval to study at or through another university. All students must receive academic approval to study abroad prior to contacting Student Financial Services about funding for such study.

Students should make an appointment with a Student Financial Services counselor to determine financial assistance eligibility during the study abroad program. Students failing to conform to this policy will be ineligible for financial assistance during this study abroad program.

Students who are involved in a study abroad program are not eligible to receive any Adelphi institutional funds during the semester in which they are abroad. The Provost Scholarship for Study Abroad has been developed to assist academically superior students in affording study abroad programs. For further information, contact the Office of the Provost.

Nondegree Students

Individuals registering for courses in the University without applying to the Admissions Office for degree status are considered nondegree students. The courses taken are considered to be for personal enrichment and the student is not eligible for any financial assistance.

Student Budgets

These estimates of Adelphi’s typical undergraduate student budgets for 2001–2002 are based on the costs of living at a modest level over a nine-month period (September–May). (We strongly recommend that students confer with an Adelphi Student Financial Services counselor to determine additional items they should budget for college costs.)

	Resident	Commuter
Tuition and Fees	\$17,800	\$17,800
Books	\$1,000	\$1,000
Room and Board	\$8,500	\$1,500
Transportation	\$1,100	\$3,000
Personal Expenses	\$1,000	\$1,800
<hr/>		
Total	\$29,400	\$25,100

NOTE: Charges may be subject to change. Tuition and fees may vary depending on major and special laboratory fees.

Appeals

An appeals committee exists for students and parents who feel that individual circumstances warrant exceptions from published policies. Any written requests for appeals should be directed to the committee’s coordinator. The address is:

Kay McGuire
Adelphi University
South Avenue
Garden City, NY 11530

RULES AND
REGULATIONS

University Regulations

All undergraduate students in the University are bound by the regulations set forth here and are responsible for adherence to these regulations. There are additional policies specific to the individual units: College of Arts and Sciences, Gordon F. Derner Institute of Advanced Psychological Studies, Honors College, School of Education, School of Business, School of Nursing, School of Social Work, and University College including the ABLE and General Studies Programs. These policies are indicated in the sections describing these units. The responsibility for knowing and meeting the applicable degree requirements, as well as other academic regulations of the University, rests with each student.

The Office of Academic Services and Retention is charged with the interpretation, execution, and maintenance of the standards, policies, and procedures that guide and govern undergraduate studies and pedagogy at Adelphi University.

Dispensations from Regulations

Students may request dispensations from University regulations or deadlines only for exceptional circumstances by filing a petition. A student may petition through the Office of the Dean in the appropriate college or school for a waiver of an academic regulation or deadline. Students who have not declared a major petition the College of Arts and Sciences. Petitioning students must provide supporting documentation with their petition. ***Academic approval of course drops or course withdrawals does not imply a right to a refund.*** Petitions requesting retroactive actions must be submitted within one calendar year. Federal, state, and local regulations are not subject to petition.

Age of Majority

Under New York State law, 18 is the age of majority. Except for the provision and sale of alcohol, students that age and older have the rights, responsibilities, and privileges of all other adults. Adelphi University will normally communicate directly with students in matters of academic progress and standing, discipline, grades, and financial obligations. Individuals outside the University seeking this information must obtain the written consent of the students. Under federal law, the parents or legal guardians of a dependent student—defined by the Internal Revenue Service, U.S. Treasury Department, Internal Revenue Code of 1954, Section 152—have the right to request information about their dependents without their dependent's written consent. Upon the written request from a parent or legal guardian, together with documentation that the student is a dependent by federal criteria, the University will respond to such requests on an individual basis.

Student Code of Conduct and Judicial Policy

As members of an educational community, students are expected to behave responsibly, appropriately, and civilly toward all persons with whom they interact. In addition, students are expected to abide by all University rules, regulations, and policies. The Code of Conduct describes the University's standards and expectations for the behavior of its students. The code requires that students comply promptly with the directives of Adelphi employees who are acting in accordance with their authority as officials of the University. Failure to comply could result in suspension from the University. All students are expected to read and adhere to the letter and spirit of the Code of Conduct.

Non-academic violations of the Code of Conduct are adjudicated under the Adelphi University Student Judicial Policy. Matters of academic misconduct are adjudicated under the policies that govern the University's Honor Code.

Inquiries may be made to the Committee for Academic Honesty, through the Office of the Provost, (516) 877-3160. The Code of Conduct and Student Judicial Policy, as well as Academic Honesty at Adelphi, are published in the annual edition of the Guide to Student Life. For questions or more information, contact the Office of the Dean of Student Affairs, University Center 106, (516) 877-3660.

Academic Integrity

Adelphi University demands the highest standards of academic integrity. Proper conduct during examinations, the proper attribution of sources in preparation of written work, and complete honesty in all academic endeavors is required. Submission of false data, falsification of grades or records, misconduct during examinations, and plagiarism are among the violations of academic integrity. Students who do not meet these standards are subject to dismissal from the University. (See the Honor Code in Adelphi's *Guide to Student Life*.)

Matriculation

New students officially join the University, become candidates for its degrees, bound to its principles, responsible to its policies, and eligible for its privileges at the annual matriculation ceremony held at the beginning of the academic year.

The Associate

Adelphi confers associate degrees on undergraduates who have fulfilled the requirements in the ABLE program. The 64-credit associate degree in liberal arts consists of 28 credits of General Education requirements and 36 credits of electives and major course work.

The Baccalaureate

Adelphi confers baccalaureates—bachelors degrees—on undergraduates who have fulfilled the requirements. Typically, eight semesters are sufficient to complete a baccalaureate, a total of at least 120 credits. All Adelphi baccalaureates have three components: General Education, a

major course of study, and a grouping of electives. Adelphi awards these baccalaureates: B.A. (Bachelor of Arts), B.S. (Bachelor of Science), B.B.A. (Bachelor of Business Administration), B.F.A. (Bachelor of Fine Arts), B.S.Ed. (Bachelor of Science in Education), and B.S.W. (Bachelor of Social Work).

Attendance

Only students who have been registered by the Office of the Registrar may attend courses at the University. Adelphi students make a commitment to be active participants in their educational program; class attendance is an integral part of this commitment. *Attendance requirements for each course will be announced by the faculty member at the beginning of each term.* Students are expected to be present promptly at the beginning of each class period, unless prevented by illness or by other compelling cause. In the event of such absence, students may request that faculty members be notified by the Office of Academic Services and Retention. Students are responsible for completing course work missed through absences. Students should wait a reasonable length of time for an instructor in the event that the instructor is delayed.

The Academic Calendar

The Academic Calendar consists of two semesters (fall and spring), approximately 15 weeks each, and two summer terms, five weeks each. Entering students (freshmen and transfers) begin in the fall or spring semester, and may register during the several registration periods. Adelphi University does not schedule classes on Labor Day; Thanksgiving; Christmas; New Year's Day; Martin Luther King, Jr., Day; Memorial Day; Rosh Hashanah; Yom Kippur; and Independence Day. The University recognizes that there are other holidays, both secular and religious, that may be observed by individuals or groups on campus. Students who wish to observe such holidays must so inform their instructors within the first two weeks of each semester so that

alternative arrangements convenient to both students and instructors can be made.

Deadlines

Every semester students have sufficient opportunities to reconsider, for a period of time, their selection of courses. The academic calendar (a copy of which can be found in the front of this *Bulletin*) sets forth the specific deadlines for decisions about, and adjustments to, registration, adding and dropping courses, changing a grading option, and withdrawing from courses. Meeting academic deadlines is the student's responsibility.

Registration

Registration is the process by which the Office of the Registrar certifies the enrollment of students in courses of study or their right to use the services available at the University. Registration materials are mailed, by the Office of the Registrar, to eligible students every semester. The *Directory of Classes* is available at the Registrar's Office, Levermore Hall lower level or online at www.adelphi.edu.

Freshmen and transfers register separately for their first semester at the University. In subsequent terms they register with all other students. Freshmen and transfers are mailed all pertinent information for their respective orientations and registrations.

There are several ways to register at Adelphi:

Priority registration begins in late fall and spring and continues until the first day of the semester. It is an opportunity for students to select the courses in which they wish to enroll the following semester.

Late registration begins on the first day of classes. A late fee is assessed.

Definition of a Student

Official designation of the status of "student" at Adelphi University is reserved for those individuals who are properly registered and engaged in a program or course of study. This University recognition as a student does not, however, by itself initiate, imply, or establish matriculation in any of the University's schools or programs. Candidates who desire matriculation to a degree or certification program are advised to investigate all of the requirements necessary for official acceptance into the program concerned, since it is possible to carry the designation of "student" at Adelphi University and yet not have completed all necessary requirements for program acceptance or matriculation.

The University requires that all students submit proof of compliance with New York State immunization requirements (see "Admission Credentials").

Only students who have been cleared by the Office of Student Financial Services and who are officially registered for a course as of the end of the second week of the semester shall be eligible to receive a grade for that course.

Concurrent Registration

Normally, Adelphi will not permit matriculated students to register for courses at other institutions while they are concurrently registered at Adelphi. In all cases, the policies on study at other institutions apply (see section titled "Study at Other Institutions").

Changes in the Registration

After the registration periods end, students may make four kinds of changes to their registration: adding courses, dropping courses, changing the grading option, withdrawing from courses. Forms to initiate these changes (Action Request) are obtained from, and returned to, the Office of the Registrar. Deadlines to effect these changes are clearly set forth in the academic calendar published in this *Bulletin*, in the *Directory of Classes*, and elsewhere.

Records

Adelphi recognizes two kinds of student records. *Directory information* includes student's name, school, class, major, participation in officially recognized sports, weight and height of athletes, dates of attendance, degrees, honors, and awards received. *Academic records* are maintained by the Office of the Registrar, and consist of credits, grades, and grade points earned. It is the obligation of students to notify the Registrar of any change of name or address.

Access to Records

Directory information may be released to anyone without the consent of the student unless the student has requested in writing to the Registrar that this information not be released. Forms for such requests are obtained from, and returned to, the Registrar. Academic records may not be released without the prior written consent of the student. Access to records is protected by the Family Education and Privacy Act. The Offices of Academic Services and Retention, Student Affairs, Student Financial Services, and the Registrar may, for cause, withhold the academic records of students or discontinue their course registration.

The Transcript

The transcript lists the complete academic record of students. Students may obtain a copy of their transcript from the Registrar by completing a request form. There is a charge per transcript. An *official transcript* is one that bears the seal of the University and the signature of the Registrar (\$10). *Unofficial transcripts* are given to or sent directly to students and carry the notation UNOFFICIAL COPY. *Transcripts will not be issued for students who have failed to meet their financial obligation to the University.*

Academic Advising

Adelphi undergraduates have many sources for academic advice: faculty advisers, academic advisers in the offices of the deans of their School, and the Office of Academic Services and Retention. Faculty advisers from the individual academic units and departments assist students who have identified their major with course selection and are charged with approval of registration decisions, including changes made after the beginning of a semester.

Students who have not declared a major are assigned a freshman adviser on entering the University as freshmen. They advise the undecided students in their course selection and registration until they declare a major.

Students who wish to change majors or who have questions about the planning or progress of their degrees that cannot be answered by their major adviser can seek the advice and assistance of academic advisers in the Office of the Dean of their academic unit or the Office of Academic Services and Retention. Students who have not declared a major are included within the Arts and Sciences and go to that office for help if needed. Similarly, students with problems relating to the conduct of courses (lectures, laboratories, evaluations, work load, grades, etc.) that cannot be resolved with the instructors concerned can also seek the advice and assistance of the academic adviser in the office of their dean. Students may also seek assistance in the Office of Academic Services and Retention at any time.

Academic advising at Adelphi both challenges and supports students as they examine, determine, and work toward their educational and career goals. Each full-time member of the faculty holds a minimum of six office hours per week to serve the interests of students and to provide full and accurate academic advice. All undergraduates are required to consult with their advisers about their academic progress and to seek their approval for their academic plans. In addition to the academic advisers, there are faculty appointed to counsel students who are interested in pursuing law, medicine, or engineering.

The Major

All students must pursue and complete an approved major. A major is a prescribed series of courses that enables students to acquire depth of knowledge and competence in an academic area of particular interest to the student. Adelphi recognizes and respects that students need different time frames to make their decision about a major. Students are urged to read the information on the different majors in this *Bulletin*. Students are also encouraged to discuss their options with departmental chairs or deans. All prerequisites are included in the major and course descriptions appearing in this *Bulletin*. A minimum GPA of 2.0 in the major is required for graduation. Departments or schools may establish a GPA higher than 2.0.

Declaration of Major

Adelphi students may formally choose (declare) a major at any point during their first four semesters at the University. *All students must have declared their major by their fifth semester, or after the completion of 60 credits of course work.* Once students decide on an area of interest, they are assigned to faculty advisers in their major. Majors are declared by obtaining a Change of Major form from the Registrar, obtaining appropriate signatures, and returning it to the Office of the Registrar.

Acceptance into a Major

Students must meet the minimum required grade point average (GPA) of the major in order to gain acceptance into that major. Sometimes the student might have to complete certain prerequisites before formal acceptance into the major.

Change of Major

As students learn more about their preferences and abilities—through course work and more precise knowledge about the characteristics and expectations of a major—they may make new choices.

When changing majors, students must thoroughly discuss their degree progress with their academic advisers. Students who wish to change their major may obtain a Change of Major form from academic departments or from the Registrar's Office. A change of major may also require adjustments to students' graduation plans. These should be carefully reviewed by the students and their academic advisers. Students changing their major are expected to meet requirements for graduation according to the University *Bulletin* at the time the change is made.

Separation from a Major

Students who fall below the minimum GPA for their major may be placed on academic probation or separated from the major. A student cannot graduate with a GPA below the minimum required for her/his major.

Double Majors

Students who wish to complete the degree requirements of two departments in the College of Arts and Sciences or between Schools may do so with the permission of the chair of each department or School. The forms for declaring a double major are available in the Registrar's Office and after completion should be returned to that office. Double major students are candidates for a single degree only and must indicate the degree toward which they are working. If a course fulfills the requirements of two departments, the course may be accepted as fulfilling requirements of both departments toward the completion of the double major.

Minors

Many departments offer academic minors. Students are encouraged to declare a minor by the end of the junior year and must do so no later than the start of the second semester of their senior year. To receive official recognition and have the specified minor listed on their final transcript, students must complete a sign-off form available from the Registrar and obtain

written permission from the departmental chair of the minor and of the Dean. Minors must include a minimum of 18 credits. Pass/fail grades may not be included in the minor and students must achieve a minimum 2.0 GPA in their minor in order to qualify for the minor.

Credits for Physical Education Skills Courses

Each College of the University establishes the maximum number of physical education skills credits that count toward the baccalaureate degree. They are:

- College of Arts and Sciences—2 credits
- School of Education (non Physical Education majors)—3 credits
- School of Business—3 credits
- School of Nursing—4 credits
- School of Social Work—2 credits
- Derner Institute—2 credits

Credits

The unit of credit at the University is the total semester hours a course meets per week. The Board of Regents of the State of New York defines a credit unit as follows:

- a minimum of 45 hours of work by each student is required for each credit unit;
- an hour of work is equivalent to 50 minutes of class time (contact time);
- an hour of work is the equivalent of 50 minutes of independent study work.

Credit Hours

The total number of credit hours students take in one term determines their course load, or total course credits. A full course load, or full-time status, means that a student is registered for at least 12 credit hours. Fewer than 12 credits means part-time status. Tuition and fee rates are determined by course load, which may also affect financial assistance eligibility.

Credit for Courses

For courses taken at Adelphi, a student receives academic credit for those completed with a grade of D– or better, or a grade of “P” in a class taken Pass/Fail. If a student fails a course and subsequently repeats it, both grades will appear on the transcript and will be used in computing the GPA. If a student who passed a course elects to repeat it, both grades will appear on the transcript and will be used in computing the GPA; however, the credits will be counted only one time toward graduation.

Standard Number of Credits

Students who wish to complete the 120 credits required for graduation within eight semesters (four years) should register for an average of 15 credits per semester. Students who wish to major in disciplines that require a significant commitment of credits or that call for credits to be taken in a particular sequence (chemistry and physics, for example) may find it necessary to register for more than 15 credits in some semesters. Students may not register for more than 17½ credits without written permission of their adviser. Students wishing to register for more than 18½ credits must also have the approval of their academic dean. These additional credits require additional tuition charges.

Credits from Professional Schools

Adelphi will give credit toward the baccalaureate degree for appropriate courses taken at an accredited professional school after the student has left Adelphi without completing the bachelor's degree. Such credit will be granted, however, only under the following conditions:

1. Completion of 90 academic credits at Adelphi with a 3.0 GPA;
2. Approval of the chair of the student's major department at Adelphi;
3. Approval of the Adelphi department of the subject matter of the courses submitted for such credit;

4. Approval of the appropriate Academic Standards Committee.

A student in the College of Arts and Sciences who leaves Adelphi at the end of the junior year, having completed all work through the end of that year at Adelphi, may apply for the baccalaureate degree, contingent on satisfying the conditions listed above. Students must seek advance approval of the conditions from the Academic Standards Committee of the College of Arts and Sciences before leaving Adelphi.

Credits for Advanced Placement

Students may enter Adelphi with advanced standing in some disciplines because of their high achievement on the Advanced Placement (AP) examinations offered by the Educational Testing Service (ETS) of Princeton, NJ, 08541. Students who take AP examinations should have their scores sent by ETS to the Office of Admissions. The request must include the code #203, assigned by ETS to Adelphi. Advanced Placement credits mean that students will be granted Adelphi credits—but no grades—because of the AP scores. If a student registers for courses in which they have received AP credits they will not receive additional credit, but the grade will be used in computing the GPA. Adelphi accepts AP credits in most areas.

Transfer Credits

The official transcript of a transfer student from another college or university is evaluated by the Office of Admissions and the evaluation is sent to the Registrar, who records it on the permanent Adelphi University record. A student admitted to Adelphi and holding an associate degree (oriented toward a baccalaureate degree offered by Adelphi) with a GPA of “C” or better from an accredited two-year institution will be accepted for junior standing. Only courses in which grades ranging from “A+” to “C–” may be transferred; courses in which a “D” was earned will not be awarded transfer credit.

Grade points for courses in which grades of “A,” “B,” or “C” have been earned are not transferred to the permanent Adelphi University record, nor are they included in the Adelphi cumulative GPA (see statement regarding graded credit in section titled “Latin Honors.”). Students wishing to transfer from any one of the professional schools within the University into the College of Arts and Sciences, in order to earn a Bachelor of Arts degree, can transfer no more than 30 professional school (applied) credits.

Study at Other Institutions

(See also section on “Senior Honors.”)

Matriculated students who wish to take a course or courses at another institution must secure permission for the courses to be taken. Applications for this purpose are available in the unit Deans’ Offices. Students who are undeclared should go to the Office of the Dean of Arts and Sciences.

Approval to take courses at another institution must be obtained from:

1. The student’s major adviser;
2. The chair of the Adelphi department of the courses to be taken elsewhere;
3. The Office of the Adelphi Dean of the student’s school. Students who are undeclared should go to the Office of the Dean of Arts and Sciences; and
4. The Office of Academic Services and Retention.

The student may be granted permission to take courses at another institution only if:

1. The student needs extra credit to graduate on time or to move to the next class;
2. Student needs a prerequisite for major classes to keep pace for graduation;
3. Student demonstrates better academic success with 12–13 credits per semester than with 15–17; or
4. Student wants to take a class that is not offered at Adelphi University.

Grades earned in courses taken at other institutions appear on the Adelphi transcript but are not calculated in the student's GPA.

Credit from a two-year college cannot be accepted toward a bachelor's degree if a student has earned 64 or more credits toward that degree.

Preliminary arrangements for courses to be taken at overseas institutions to be applicable toward an Adelphi University degree should be approved through the Office of International Student Services in the same manner outlined above.

General Education Transfer Policy

In principle, all Adelphi undergraduates are obliged to satisfy General Education requirements. Transfer students, however, meet requirements as determined by their credits taken at the point of transferring into Adelphi.

Students transferring in with A.A., A.S., B.A., or B.S. degrees (but not A.A.S. degrees) from accredited U.S. institutions are exempt from all General Education requirements.

Other students transferring in with 60 credits or more are exempt from Freshman Seminar, Orientation Experience, and Second Competency requirements, but their Distribution requirements differ from those of other students in the following way: instead of needing six credits in each of the four Distributions areas, these students need six credits in Science/Math, six credits in Social Sciences, and 12 credits in any combination of approved courses in the Arts and Humanities Distribution areas.

Students transferring in with 30–59 credits are exempt from the Freshman Orientation Experience and the Freshman Seminar. They must meet all other competency and distribution requirements.

Students transferring in with fewer than 30 credits must meet all General Education requirements.

All petitions from students for any waivers of General Education requirements should be given to the Associate Dean of Arts and Sciences.

Courses

Courses are listed by prefix, number, and title in the sections of this *Bulletin* entitled "Courses of Instruction." For a list of current course offerings, students should consult the *Directory of Classes*, published by the Office of the Registrar each semester and for the summer terms.

Course Policies and Practices

Course policies and practices are made explicit each term in each course syllabus. These are established by the course instructor and are never at variance with University policies and practices. The course syllabus describes attendance policy, course requirements, and grading criteria. The instructors are required to distribute course syllabi during the first week of classes. Course syllabi are also on file in the appropriate Dean's Office. Students planning to take advantage of advanced technology (e.g., recorders, laptops) in the classroom must seek the consent of the instructor. At Adelphi, time spent in the classroom is only a part of the student's course work. Courses require reading, research, and study to complete the classroom work assignments and may also require laboratory, tutorial, or fieldwork.

Course Prefixes and Numbering System

Every course offered has a three-letter prefix. In Arts and Sciences and Business, the course prefixes are normally the first three letters of the name of the major or area (BIO for Biology, ACC for Accounting, for example), or the prefix may combine other significant letters (PFD for Performing Arts, Dance Program; MGT for Management, for example). The other schools use single prefixes for all their courses: NUR for Nursing, SWK for Social Work, for example.

Below is the course numbering system used by the University:

- 000 to 099, no credit;
- 100 to 299, appropriate for freshmen and sophomores;
- 300 to 499, appropriate for juniors and seniors;
- 500 to 599, graduate courses, sometimes open to seniors.

Students should note that registration in a graduate course does not constitute admission to graduate studies. See “Acceptance of Seniors into Graduate Courses” in this section of the *Bulletin*.

Course Description

Every course listed by number and title is also briefly described in this *Bulletin*. Students may request a more complete description of the course contents and practices from the department offering the course or from the instructor.

Adding Courses

Students who wish to add a course to their program after the registration periods must complete an Action Request, including appropriate signatures of approval. Students are advised that there is a fee for adding courses and that there may be additional tuition charges.

Dropping Courses

Students may drop a class within the first four weeks of the semester. Students who wish to drop a class must complete an Action Request. Students are advised that there is a fee for dropping courses. Dropped courses will not appear on the transcript. Students should be aware that their status as a full-time student will be affected by dropping courses if their credit load is less than twelve credits.

Withdrawing from Courses

Withdrawals from courses are possible after the deadline to drop courses but no later than

Friday of the ninth week of the semester, the third week of a summer term, or the second week of a one-month term. Students who wish to withdraw from a course must complete an Action Request including appropriate signatures of academic approval. Withdrawals from courses appear on the transcript as a “W.”

Nonattendance in a course does not constitute an official drop or withdrawal from a course. The student’s failure to drop or withdraw properly from a course does not preclude the instructor from submitting a grade for the student on the basis of the work previously submitted.

An instructor may make a request to the Associate Provost in the Office of Academic Services and Retention to withdraw a student from a course because the student’s behavior disrupts the conduct of the course. Students have the right to appeal such withdrawals to the Provost’s Office.

Auditing a Course

A course may be audited if the student has registered and paid the regular tuition for the course. Normally, an auditor will attend the course regularly. The instructor will stipulate the auditor’s responsibilities in the course. Once students have elected to register as auditors, a change in that status is not possible beyond the last day to add courses, nor can students who have elected to register as regular students change that status beyond the last day to add courses.

Academic Assistance for Students with Disabilities

Students who have a documented disability may be eligible for reasonable accommodations, academic assistance, or academic adjustments. Students who need any form of academic assistance must contact the Office of Disability Support Services. Reasonable accommodations are determined individually by the Office according to documented need. Some of the

more typical accommodations are: extended time testing, private room for testing, readers and/or scribes for exams, note-takers, books on tape, enlarged-print textbooks and class materials, sign language interpreters for students who are deaf or hard of hearing, and handicapped parking permits. In addition, assistive technology is available for students with disabilities (for example, Kurzweil, JAWS, Magic, and Dragon). The Office of Disability Support Services also arranges for such accommodations as: modified residence hall facilities, accessible classroom seating, and classroom relocation to accessible sites.

To apply for accommodations, the student must complete the Petition for Reasonable Accommodations and Academic Adjustment form, the Consent for Release of Information form, and provide recent, valid disability documentation from a qualified professional. Guidelines for disability documentation are available at the Office of Disability Support Services or online at students.adelphi.edu/sa/dss

The Office of Disability Support Services is located in the University Center, 310, is open Monday through Thursday 8:30 a.m. to 7:30 p.m. and Friday 8:30 a.m. to 4:00 p.m. The Coordinator may be reached at (516) 877-3145 or TTY (516) 877-3138.

Acceptance of Seniors into Graduate Courses

Acceptance of undergraduates into graduate courses is carefully supervised by the institution, as follows:

College of Arts and Sciences and School of Nursing

A limited number of seniors of superior scholastic ability who are within 15 credit hours of completing requirements for the bachelor's degree may be accepted into certain graduate courses. Senior registration for a graduate course must be countersigned on the student's registration form by the student's major adviser, by the

chair of the department offering the graduate course desired, and by the dean of the student's college or school.

Acceptance into a graduate course during the senior year does not constitute admission to graduate standing. At the discretion of the Graduate Admissions Committee, however, a limited number of credits so earned, and not used to fulfill the requirements for the bachelor's degree, may be applied toward an advanced degree. Such credits may not be applied toward fulfillment of the residence requirement for a higher degree.

School of Education

Under advisement, undergraduate students in their junior or senior year may take 500 and 600 level courses for undergraduate credit toward their bachelor's degree; or with permission of the chair for graduate credit (courses for graduate credit will not count toward bachelor's degree).

School of Business

No undergraduate student may register for graduate course work in the School of Business.

Gordon F. Derner Institute of Advanced Psychological Studies

Undergraduates may register for graduate courses in the Derner Institute *only* with permission of the Dean.

School of Social Work

Junior and Senior students enroll in SWK 500 graduate level courses as part of their required course of study and receive undergraduate credit for these courses. They are eligible to enroll in selected SWK 700 graduate level elective courses for which they receive undergraduate credit.

Independent Study

The purpose of independent study is to pursue an academic interest not adequately covered by the regular course offerings. Students must register for independent study during the regular

registration periods and never later than the last day to add courses. Each college and school has separate requirements concerning independent study. Information concerning these requirements are listed by school. *Independent study may not be taken Pass/Fail.*

Final Examinations

Final examinations for fall and spring semesters are held at the close of the semester and in the summer terms. Examination times are scheduled by the Registrar and announced in the *Directory of Classes*. Instructors indicate their final examination requirements on syllabi or announcements distributed during the first week of class. If a course does not require a final examination, appropriate course-related activity will be substituted at the scheduled time during finals week. Final examinations for summer courses are normally held during the last regularly scheduled class meeting. Classes may not meet at other times during finals week without written consent of the appropriate academic dean.

Students are advised that:

- No final examinations will be administered to an individual or group before the last official class meeting without the written consent of the appropriate academic dean;
- No instructor may increase the time allowed for a final examination beyond the scheduled two hours without written consent from the appropriate academic dean or the Office of Academic Services and Retention;
- No instructor may change the time or date of the final examination;
- No student may be required to take more than two final examinations during one calendar day. Students with more than two examinations on one calendar day should go to the appropriate academic dean or to the Office of Academic Services and Retention;
- Postponed examinations may be requested only by students who are seriously ill or who have more than two examinations in one day. Students will make the arrangements through the appropriate academic dean or the Office of Academic Services and Retention;
- Postponed examinations will be held no later than the first week of the following term;
- Instructors must offer a make-up examination to all students who were excused from the final examination because of illness or because of conflict with other examinations;
- All students must be allowed to see their graded finals;
- Access to graded finals should be ensured for a period of one semester after the examination was completed;
- Completed and graded finals may not be left in public places for retrieval by students.

Grades

Grades represent the instructor's evaluation of student competencies and course performance. Grades assigned by Adelphi instructors conform with University standards, policies, and procedures. Each instructor will inform students of applicable grading standards for a course. Students may review the material submitted to the instructor for evaluation, such as that student's papers and examinations. At the end of each semester, grades are given in semester courses. Instructors submit grades to the Registrar at the end of each term. Grades are mailed to students by the Registrar after the close of each term, provided they have no outstanding financial obligations with the University.

Grading System

Adelphi has a letter grading system. Passing grades, in rank order, are A, B, C, D, and P (Pass). Failing grades are designated with F.

F	(Failure) is recorded when a student has academically failed a course. The student may be eligible for dismissal following a departmental review.	stated course objectives and requirements were met by the student.	
P	(Passing) Where the grade of A, B, or C is not used.		
B+	Above average mastery of facts and principles; evidence that	3.3	
B	stated course objectives and	3.0	
B-	requirements were met by the student.	2.7	

Other Transcript Designations

AU	(Audit) Students who are auditors register for the course, pay the regular tuition, but do not receive a grade.			
I	The designation “I” (Incomplete) will be issued when the student has not completed the course requirements by the end of the semester and has obtained permission from the instructor to take additional time to complete the course work. The incomplete designation “I” may be used by instructors only if a student has been excused from the completion of course requirements because of illness or other exceptional, compelling circumstances. <i>Students may have no more than one calendar year after the end of the semester in which the grade was given to resolve Incompletes.</i> Unresolved Incompletes convert to Fs after this time. This then becomes the final grade.			
		C+	Average mastery of facts and principles; some evidence that stated course objectives and requirements were met by the student.	2.3
		C		2.0
		C–		1.7
		D+	Little mastery of facts and principles; acceptable evidence that stated course objectives and requirements were met by the student.	1.3
		D		1.0
		D–		0.7
		F	No mastery of facts and principles; little evidence that stated course objectives and requirements were met by the student.	0.0

Computing the Grade-Point Average (GPA)

Earned Hours are credit hours awarded to the student for successful completion of academic course work or its equivalent. *Attempted Hours* are the number of credit hours actually registered for by a student, except for audited courses and those from which one has been officially dropped. *Quality Points* are computed by multiplying the grade points per hour by the credit

Computing the Grade-Point Average (GPA)

Earned Hours are credit hours awarded to the student for successful completion of academic course work or its equivalent. *Attempted Hours* are the number of credit hours actually registered for by a student, except for audited courses and those from which one has been officially dropped. *Quality Points* are computed by multiplying the grade points per hour by the credit hours of the course. For example, a B+ in a 3-credit undergraduate course would generate 9.90 quality points. *Quality Hours* are all graded credits taken at Adelphi University.

No points are given for the P grade, and the P is not computed in either the semester or the cumulative GPA. A failing grade is recorded and

What Grades Signify

Letter Grade	Quality Range	Grade Points (per credit hours)
A+, A	Superior mastery of facts and	4.0
A-	principles; clear evidence that	3.7

computed as an F. Refer to the section “Unfinished Course Work” concerning how “I” is treated in the computation of the GPA. For each semester’s work, a semester’s GPA is computed as follows:

The total number of quality points earned is divided by the total number of quality hours. For example,

$$\begin{array}{rcl} 45 \text{ Quality Points} & & \\ \div & & \\ 15 \text{ Quality Hours} & = & 3.000 \text{ GPA} \end{array}$$

A student who has received advanced placement credit and/or transfer credit will have the cumulative GPA computed on the basis of total quality hours at Adelphi. Example: if a student presents 120 credits for graduation, 8 credits of which are for advanced placement or transfer credit, the cumulative GPA is computed on 112 credits.

Unfinished Course Work

The designation “I” (Incomplete) will be issued when the student has not completed the course requirements by the end of the semester and has obtained permission from the instructor to take additional time to complete the course work. The incomplete designation “I” may be used by instructors only if a student has been excused from the completion of course requirements because of illness or other exceptional, compelling circumstances. *Students may have no more than one calendar year after the end of the semester in which the grade was given to resolve Incompletes.* Unresolved Incompletes convert to Fs after this time. This then becomes the final grade.

Pass/Fail Option

The Pass/Fail grade option is designed to encourage students to explore disciplines outside their major without affecting their GPA. The letter P (Pass) or F (Fail) are the only grades assigned when students choose the Pass/Fail grade options. The student will be given credit for courses in which the grade of P is earned, but these courses will not affect the computation of

the GPA. A grade of F earns no credit but will affect the computation of the GPA.

The following restrictions apply:

The P/F option is not available

- to students whose semester or cumulative GPA is less than 2.0;
- for courses required for a major or a minor;
- for independent study;
- for General Education courses (except second competency).

Only a maximum of eight courses may be taken with the P/F option in the baccalaureate.

Transfer students are advised to consult the section titled “Latin Honors.”

Grade Changes

Students who believe their grades are incorrect or unfair should:

- Discuss their course work with the instructor;
- Review with the course instructor the grading policies for the course;
- If still dissatisfied, disputes concerning grades shall be addressed and initially resolved by the chair or the dean of the department offering the course;
- Resolutions by the chair or the dean shall be subject to review by the Office of Academic Services and Retention. In the absence of any prior resolution, the Provost may act to resolve grade disputes.

A grade may be changed only if there is unequivocal evidence that it was the direct result of arbitrary and capricious conduct on the part of the instructor, or because of mathematical or mechanical errors in scoring examinations. *Grade changes are possible only within one calendar year.* Grade changes must first be signed by the instructor and then by the department chair and the appropriate dean before being brought to the Registrar.

Academic Standing

Academic standing is defined by a student's semester and cumulative GPA and the level of progress made toward the number of credits required for the completion of the baccalaureate.

Class Standing

Class standing is determined by the number of credits *passed*. Credits not completed or completed unsuccessfully do not count toward the number of credits required for class standing. The number of credits *passed* required for each class is:

Freshman	0 to 29 credits
Sophomore	30 to 59 credits
Junior	60 to 89 credits
Senior	90 or more credits

The Dean's List

The deans of Arts and Sciences, Education, Business, Nursing, Social Work, and DERNER IAPS recognize superior academic work every semester. The Dean's List comprises full-time students—registered for 12 or more credits—who have completed at least 9 graded credits and achieved a GPA of 3.5 or above for that semester. This recognition by the deans becomes part of the student's academic record and is entered into the student's transcript.

Good Academic Standing

Good academic standing describes the minimum academic attainment required of students in order to remain at the University.

- All Adelphi undergraduates, regardless of grades in their major, must maintain a minimum cumulative GPA of 2.0 in order to remain in good academic standing and to be eligible for graduation;
- Students who have not chosen a major must maintain a minimum cumulative GPA of 2.0 in order to remain in good academic standing;
- Students who have declared a major must maintain the minimum GPA of that major

in order to continue their affiliation with that school, and to graduate with the chosen major. Some majors may require a GPA higher than 2.0.

Grade-Point Average Requirements	Minimum Cumulative GPA
Good Standing, all undergraduates	2.0
Students who have not chosen a major	2.0
Arts and Sciences—all majors	2.0
Education—all majors	2.75
Business—all majors	2.3
Nursing Majors	2.5
Social Work Majors	2.5 overall 2.8 in Social Work

Poor Academic Standing

Students who fall below the minimum GPA required by the University or their major are in poor academic standing and will be placed on academic probation. The fall from good academic standing does not preclude students from registering for courses of study but they may register for no more than 13 credits. It may have consequences for their eligibility to participate in student activities such as student government, intercollegiate athletics, fraternities, sororities, and other student organizations.

If they receive financial assistance, students in poor academic standing may also lose their eligibility to continue to receive such assistance, as determined by the New York State Department of Education and U.S. Department of Education. Students and their advisers should read carefully the state and federal policies and criteria that relate academic standing to financial aid eligibility. Students who participate in intercollegiate athletics must comply with the eligibility regulations agreed upon by the University and the NCAA and, therefore, may become ineligible for participation in team sports because of their poor University academic standing.

University Academic Probation

University academic probation indicates that the student's academic performance, as reflected in the semester or cumulative GPA, raises doubts about the student's ability to complete the particular requirements and meet the specific standards for the baccalaureate. Such students will be placed on probation by the dean of the college or school offering the student's major. Students who have not declared their majors and are not in good academic standing will be placed on academic probation by the College of Arts and Sciences.

School Academic Probation

Students who do not maintain the GPA required for their major will be placed on School Academic Probation by the dean of the appropriate school in which the major is maintained.

Terms of Academic Probation

Academic probation ordinarily entails an academic contract, between the student and the dean, to complete a specific number of courses in a specific period of time, and to achieve a specific GPA. Academic contracts normally prescribe other remedial actions, such as reduced course load, assessment of learning skills, or tutoring.

Length of Academic Probation

Students placed on academic probation must remedy their academic deficiencies within the next regular semester. This period may be extended by the appropriate dean if the student shows significant academic progress or if the student was admitted to the University under the academic agreements of a particular program.

Notification

Students placed on academic probation will be advised of this action by a letter from their dean. The letter will specify the criteria used in determining the probation action (GPA, number of credits, for example) and will specify the

terms under which good academic standing can be regained. Students who fulfill the terms of their academic probation will be advised in writing by their dean of their return to good academic standing.

Failure to Return to Good Academic Standing

Students on academic probation who fail to fulfill their academic contract or fail to return to good academic standing will be separated (dropped) from their major or, if warranted, dismissed from the University.

Students who are separated (dropped) from their majors but who still have a minimum cumulative GPA of 2.0 will be reassigned to the College of Arts and Sciences for assistance in the identification of a new major or pertinent remedial actions.

Dismissal

Academic dismissal means separation from the University because of the student's poor quality of academic attainment and low level of progress toward the baccalaureate. Dismissal is a most serious academic action. Students who are dismissed from the University will have their next term's registration canceled, if they have registered in advance, and will have all their affiliations with the University terminated.

Students who have been dismissed from the University will not be considered for readmission within the year following their dismissal. Dismissed students are advised that there is no real or implied right to such readmission.

Academic dismissals can occur after the conclusion of any semester. Academic dismissals are carried out on behalf of the University by the Office of Academic Services and Retention. A student who is subject to dismissal may petition the Associate Provost for Academic Services and Retention.

Leave of Absence

A leave of absence is a permission to be temporarily away from the University, generally to study at another institution in the United States or abroad. (See “Study at Other Institutions.”) A leave of absence is sought in writing from the appropriate academic dean. A leave of up to one year can be granted to students in good academic and financial standing. Medical and personal leaves are also possible. (See Withdrawal for Medical Reasons.)

A request for a leave of absence must be received by the appropriate academic dean prior to the beginning of the semester(s) for which the leave is requested. After a leave of absence, students should seek readmission from the appropriate academic dean. (See “Readmission” following.)

Withdrawal from the University

Withdrawal from the University means that students interrupt the course of their study and discontinue all their affiliations with the University. Withdrawal from the University is sought in writing from the Office of Academic Services and Retention. The date of receipt of the written request determines refunds or financial obligations.

Students who withdraw from the University by the end of the ninth week of the semester receive the grade of W for all their courses. W is not calculated into the cumulative average. After the ninth week of the semester, a withdrawal for medical reasons is possible. Students who withdraw from the University for medical reasons will be withdrawn from all their courses. Withdrawals from the University after the ninth week of the semester will not be granted because of inability to attend classes, take final examinations, or complete course work. (See “Incomplete.”)

Adelphi reserves the right to withdraw from the University students who discontinue their registration for one semester. In addition, Adelphi reserves the right to withdraw from the

University any student for any reason without notification to parents or guardian. Students who withdraw or are withdrawn from the University are advised that there is no real or implied right to readmission.

Withdrawal for Medical Reasons

Students requesting a withdrawal from the University because of medical reasons must submit the appropriate medical documentation and a letter requesting a medical withdrawal to the Office of Academic Services and Retention. This must be done during the semester for which the leave is requested. Students approved for medical withdrawal will have a credit posted to their account to be applied toward future semesters. All unused credit will be forfeited within one year of issuance and **tuition and fee charges will not be refunded**. Students wishing to return after a Medical Withdrawal must submit medical documentation clearing them for return to the Office of Academic Services and Retention.

Residence fees will be refunded according to the policies outlined in the section “Residence Fees Refund.”

Readmission

Except for Medical Withdrawals students who wish to be readmitted to Adelphi University should petition their school or college. Students who wish to be readmitted after a Medical Withdrawal petition the Office of Academic Services and Retention. Students in good standing who return within two years following a leave for personal reasons, not related to medical or health problems will be asked to review their academic program with their academic adviser, their Dean or an adviser in the Office of Academic Services and Retention. Students who withdraw for medical reasons must supply medical documentation as to their ability to return to school from either their medical doctor or a licensed psychological counselor. Students who have been dismissed from the University for academic deficiencies will not be

considered for readmission within the year following their dismissal. Dismissed students will be readmitted under conditions agreed to by the student in an academic contract drawn up by the appropriate academic dean.

Graduation

GPA Required for Graduation

Students who have completed at least 120 credits and attained a cumulative GPA of 2.0 must apply for graduation. Majors in the Schools of Business, Nursing, and Social Work are required to have a higher cumulative GPA for graduation, respectively 2.3, 2.8, and 2.8. Majors in Physical Education and Communication Science (School of Education) should refer to Chapter VI for specific requirements.

Applications for graduation are obtained from, and returned to, the Registrar. Degrees will not be conferred to students who have not applied for graduation.

Determination of Graduation Requirements

Normally, matriculated students follow the graduation requirements established in the *Bulletin* under which they are admitted to the University; however, students who interrupt enrollment for six or more consecutive semesters (excluding summer sessions) are governed by the *Bulletin* in effect when they are readmitted. Requests for exceptions are reviewed by the appropriate academic dean.

Residence Requirements

A student must complete the final 30 credits toward a degree at Adelphi in order to be eligible for the degree.

Students who transfer credits in excess of 64 from two-year colleges may apply only 64 of those credits toward a baccalaureate degree to be awarded by Adelphi University. (See statement regarding graded credits in section titled "Latin Honors.")

Conferring of Degrees

Degrees are conferred in May, August, or January. The formal conferring of degrees takes place annually at Commencement in May. Students who will complete their degree requirements in August may participate in the Commencement ceremonies but will not receive their degree until they have completed all degree requirements.

All students *must* apply for graduation. For January graduates, applications must be filed with the Registrar on or before the last Friday in September; for May graduates, on or before the second Friday in October; for August graduates, on or before the first Friday in June.

Students who have completed degree requirements but who have not applied for graduation will not receive a diploma nor will the degree be conferred. Students who have applied for graduation but who have been assigned Incomplete grades for course work taken in the final semester may attend the commencement exercises but will not be awarded degrees at the Commencement ceremonies. Students in this category may be awarded their degrees if the registrar's office receives written notification of the removal of the Incomplete grade or grades prior to:

- For May graduates, June 30;
- For August graduates, September 30;
- For January graduates, February 28/29.

Changes in grade, other than Incompletes, received after the official date for the awarding of degrees will be entered on the student's record with the date of receipt and will be computed in the student's GPA but will have no bearing on eligibility for Latin Honors.

Diplomas

Students who are awarded degrees are mailed diplomas certifying that all degree requirements have been met. Adelphi University will not issue diplomas to students who have outstanding financial obligations with the University.

Latin Honors

A student may graduate with honors (cum laude) whose GPA is between 3.3 and 3.599; with high honors (magna cum laude) whose average is between 3.6 and 3.849; with highest honors (summa cum laude) whose average is 3.85 and above.

Fifty-six Adelphi credits of graded courses—excluding P grades—must be completed for a student to be considered for Latin Honors.

If a student has 56 earned hours at Adelphi but was required, for completion of the major, to take a major course offered *only* on a Pass/Fail basis, the student may request the Registrar to calculate the cumulative GPA (for purposes of determining Latin Honors only) based on *all* grades and course work taken both at Adelphi and other institutions.

Departmental or School Honors

Students graduating with the highest average in their major may be nominated for departmental or school honors, provided that the GPA of the nominated student is 3.5 or above for courses taken in that department. A student must have completed 33 credits in a major field to be eligible for departmental or school honors.

Academic Forgiveness Readmission Policy

Former Adelphi students who have been away from the university for at least three years who had a GPA of less than 2.0 can apply for Academic Forgiveness. The applicant would be admitted or readmitted to the school to which s/he is applying under a Final Probation Contract. The student would qualify for “Forgiveness” after completing one semester (12-13 credits) with a GPA determined by the school. In no case would the qualifying GPA be less than 2.3. If the student is successful the GPA prior to readmission would be cancelled. All grades would remain on the transcript. Credits received prior to readmission in which the grade of D-, D, or D+ would be cancelled. Students must complete at least 30 credits at Adelphi after return.

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How to Reach the Adelphi Garden City Campus

From J.F.K Airport:

Take the JFK Expressway to the Belt Parkway East. Take the Belt Parkway to the Southern State Parkway. Then follow the Southern State Parkway directions below.

From La Guardia Airport:

Take the Grand Central Parkway East; this becomes Northern State Parkway. From here follow the directions below for Northern State Parkway East.

By train:

Travel time from NYC is approximately 45 minutes. Take the Hempstead line from Penn Station in Manhattan or the Flatbush Avenue Station in Brooklyn or the Jamaica Station in Queens to the Nassau Boulevard Station in Garden City. The campus is a short walk east on South Avenue.

By car:

Via the Long Island Expressway (Route 495)

Traveling east — Take the L.I.E. to exit 34 south (New Hyde Park Road). At the first traffic light, turn right onto New Hyde Park Road. Continue south on New Hyde Park Road for 3.2 miles. Turn left onto Stewart Avenue. At the fourth light, turn right onto Nassau Boulevard. Turn left onto South Avenue (immediately after crossing the railroad tracks). The Adelphi campus is on the right.

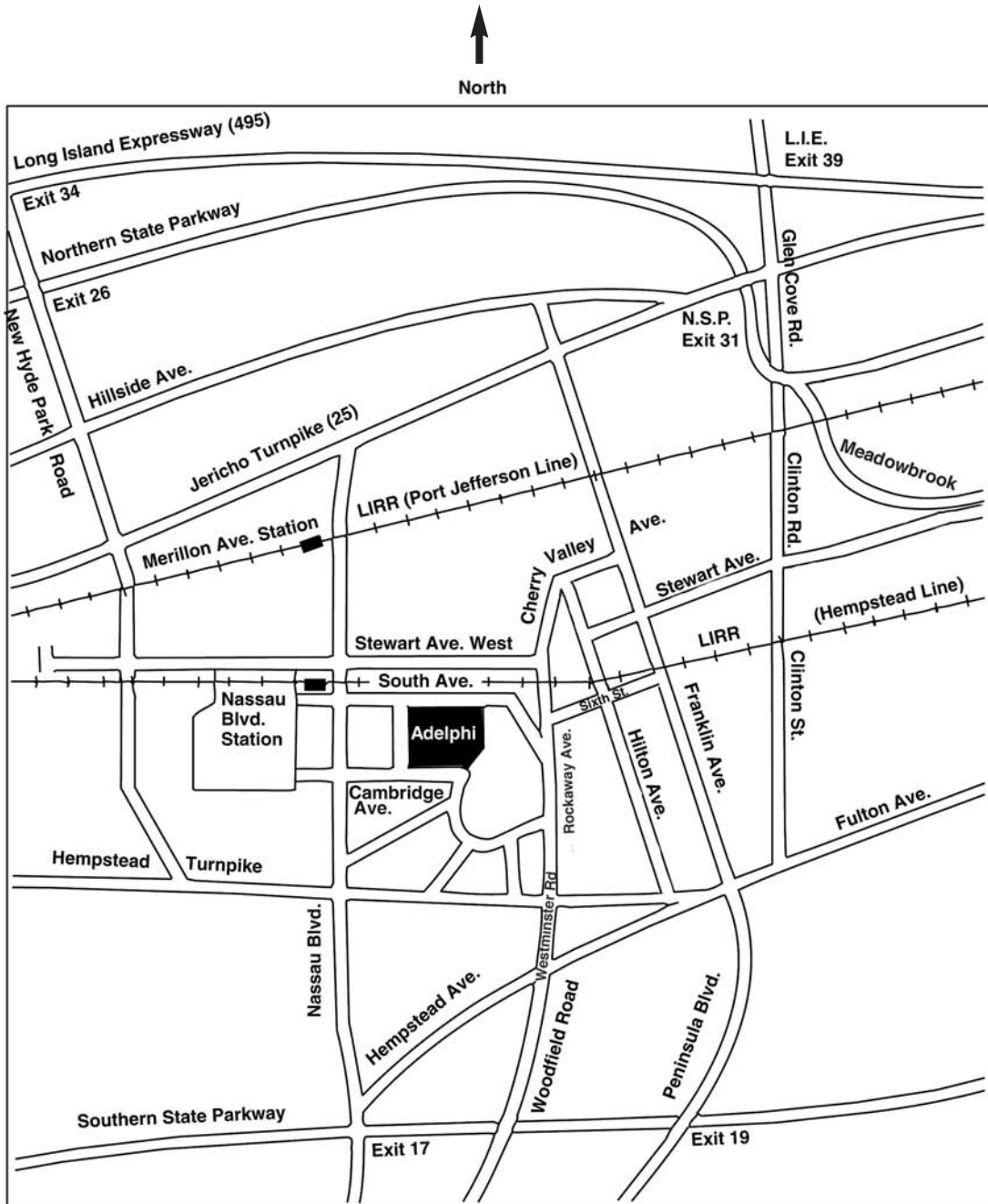
Traveling west — Take the L.I.E. to exit 39 south (Glen Cove Road). Travel south for four miles (the road will change from Guinea Woods Road to Glen Cove Road to Clinton Road). Turn right onto Stewart Avenue, go one mile and turn left onto Hilton Avenue. Turn right onto Sixth Street (immediately after crossing the railroad tracks). Continue onto South Avenue. The Adelphi campus is on the left.

Via the Northern State Parkway

Traveling east — Take the Northern Parkway to exit 26 south (New Hyde Park Road). Turn right onto New Hyde Park Road. Continue south on New Hyde Park Road for three miles. Turn left onto Stewart Avenue. At the fourth light, turn right onto Nassau Boulevard. Turn left onto South Avenue (immediately after crossing the railroad tracks). The Adelphi campus is on the right.

Traveling west — Take the Northern Parkway to exit 31 south (Glen Cove Road). Continue south on Glen Cove Road (which turns into Clinton Road) for 2.3 miles. Turn right onto Stewart Avenue. Go one mile and turn left onto Hilton Avenue. Turn right onto Sixth Street (immediately after crossing the railroad tracks). Continue onto South Avenue. The Adelphi campus is on the left.

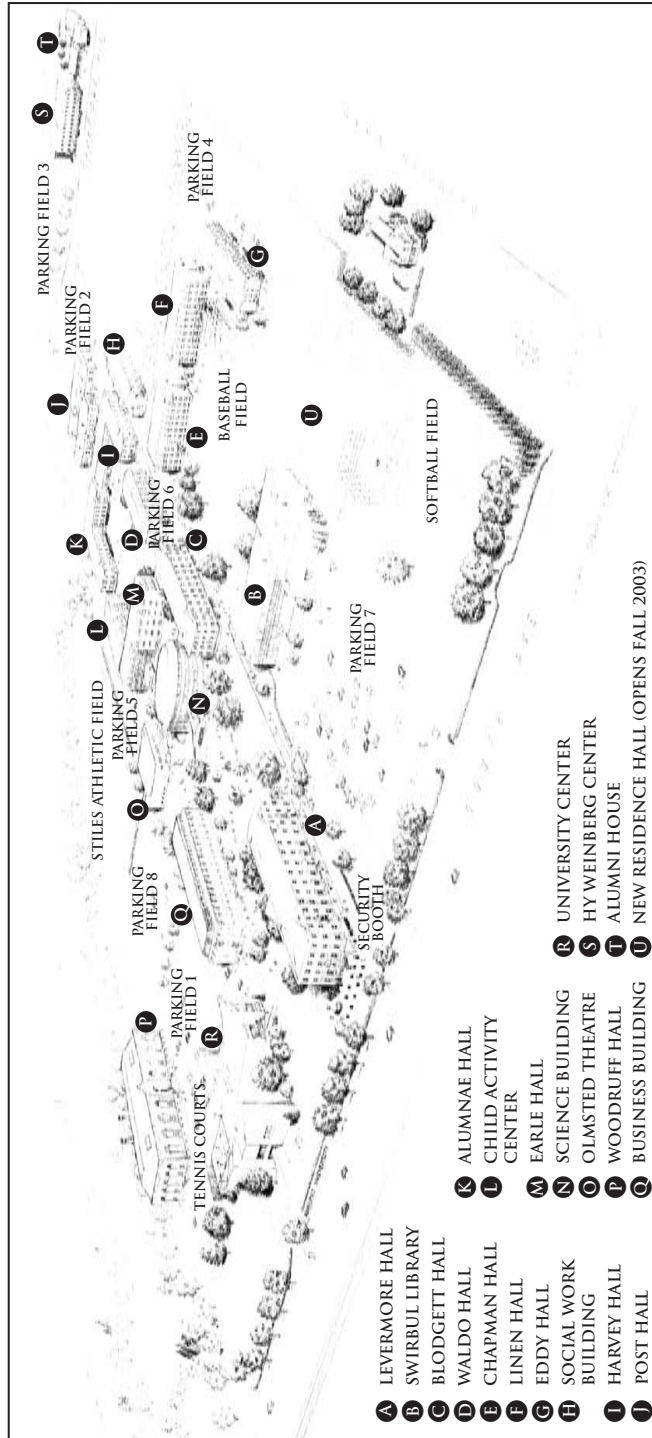
Via the Southern State Parkway — Take the Southern Parkway to exit 17 north (Hempstead Avenue). Continue on Hempstead Avenue traveling north. Make a left at the second traffic light (Nassau Boulevard). Continue north for 2.5 miles to the ninth traffic light. Make a right turn onto South Avenue (immediately before crossing the railroad tracks). The Adelphi campus is on the right.



This map is simplified to show Adelphi University's location relative to major highways and selected streets.

ADELPHI UNIVERSITY

GARDEN CITY, NEW YORK



Directions to Adelphi University's Manhattan Center

Adelphi's Manhattan Center is located in SoHo at 75 Varick Street, 2nd Floor, New York, NY 10013 at the corner of Varick and Canal streets.

By Subway:

Take the No. 1 or 9 (Seventh Avenue local) train to the Canal Street stop. The stop is right at the corner of Canal and Varick streets. Using the Eighth Avenue subway, take the A/C/E train to the Canal Street stop which is at the corner of 6th Avenue and Canal. Walk two blocks west to Varick Street and one block north to the main entrance. The L train also runs in Manhattan on 14th Street; take it to the 6th Avenue stop and transfer to the No. 1 or 9 trains heading downtown.

By Bus:

The M10 bus stops directly in front of the Center. Connections for the M10 can be made with any intersecting service on Seventh Avenue heading downtown, and Eighth Avenue heading uptown.

By LIRR or NJ Transit:

Take the train into Penn Station, New York, and follow the subway directions above.

By Car:

Adelphi University's Manhattan Center is located on the west side of Manhattan on Varick Street [one way heading downtown (South)] at Canal. Traveling west on Delancey or Houston Streets, make a left turn on Varick Street and head downtown. Traveling on Canal Street, make a right onto Sixth Avenue. Proceed two blocks until Watts Street. Make a left turn, go one block, and make next left onto Varick Street.

Directions to the Hauppauge Center

Adelphi University's Hauppauge Center is located at 55 Kennedy Drive and is off Motor Parkway, just north of the intersection of Motor Parkway and the Long Island Expressway.

Via Long Island Expressway (Route 495): Traveling East:

Take the Long Island Expressway to Exit 55 (Motor Parkway). From the service road, turn left at the first traffic light, onto Motor Parkway. Then turn right at the third traffic light (Kennedy Drive). Go a short distance and turn right into Adelphi's Hauppauge Center at 55 Kennedy Drive.

Traveling West:

Take the Long Island Expressway to Exit 55 (Motor Parkway). From the service road, turn right at the first traffic light, onto Motor Parkway. Then turn right at the second traffic light (Kennedy Drive). Go a short distance and

turn right into Adelphi's Hauppauge Center at 55 Kennedy Drive.

Via Northern State Parkway:

Traveling east, take the Northern Parkway to Exit 37A and merge onto the Long Island Expressway (Route 495) East. Take the Long Island Expressway to Exit 55 (Motor Parkway). From the service road, turn left at the first traffic light, onto Motor Parkway. Then turn right at the third traffic light (Kennedy Drive). Go a short distance and turn right into Adelphi's Hauppauge Center at 55 Kennedy Drive.

Via Southern State Parkway:

Take the Southern Parkway to Exit 41A (Sagtikos Parkway North). Take the Sagtikos Parkway to Exit S1 East (Route 495 - Long Island Expressway). Take the Long Island Expressway to Exit 55 (Motor Parkway). From the service road, turn left at the first traffic light, onto Motor Parkway. Then turn right at the third traffic light (Kennedy Drive). Go a short distance and turn right into Adelphi's Hauppauge Center at 55 Kennedy Drive.

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