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Graduate Catalogue 2002-03



Seton Hall University

Publication Number CXLVI, Volume II.

Produced by the Seton Hall University Office of the Provost in conjunction with the Department of University Relations.

The information presented in this catalogue is current as of May 2002. While this catalogue was prepared on the basis of updated and current information available at the time, the University reserves the right to make changes, as certain circumstances require. Please visit our Web site for your convenience at www.shu.edu

Seton Hall University is committed to programs of equal employment opportunity and affirmative action (EEO/AA). These programs are consistent with our basic mission, enjoy a high priority among our institutional goals and objectives, and are carried out in accordance with the teachings of the Catholic Church and the proscriptions of the law.

The University supports and implements all state and federal anti-discrimination laws including Executive Order 11246, as amended, which prohibits discrimination in employment by institutions with federal contracts; Titles VI and VII of the 1964 Civil Rights Act, which prohibit discrimination against students and all employees on the basis of race, color, religion, national origin or sex; Title IX of the Education Amendments of 1972, which prohibits discrimination against students and all employees on the basis of sex; Sections 503 and 504 of the Rehabilitation Act of 1973, which require affirmative action to employ and advance in employment qualified disabled veterans of the Vietnam Era; the Equal Pay Act of 1963, which prohibits discrimination in salaries, the Age Discrimination in Employment Acts of 1967 and 1975, which prohibit discrimination on the basis of age and, the Americans with Disabilities Act of 1990, which prohibits discrimination on the basis of disability.

No person may be denied employment or related benefits or admission to the University or to any of its programs or activities, either academic or nonacademic, curricular or extracurricular, because of race, color, religion, age, national origin, gender, sexual orientation, handicap and disability, or veteran's status. All executives, administrators, faculty and managers – both academic and administrative – are responsible for individual and unit support of Seton Hall University's EEO/AA programs. EEO/AA policies are to be applied in all decisions regarding hiring, promotion, retention, tenure, compensation, benefits, layoffs, academic programs, and social and recreational programs.

Mr. Richard Hill, senior human resources generalist, is the University's equal employment opportunity /affirmative action officer who is responsible for providing information regarding the provisions of the laws and regulations referenced in the preceding paragraphs and their applicability to the services, programs, and activities offered by the University. Mr. Hill is located in the Department of Human Resources in the lower level of Presidents Hall and may be contacted via e-mail at hillrich@shu.edu or by telephone at (973) 761-9284. Mr. James Gillson is the University compliance officer who is responsible for providing information regarding sexual harassment and for investigating complaints of sexual harassment. Mr. Gillson is located in Presidents Hall and may be contacted via e-mail at gillsoja@shu.edu or by telephone at (973) 313-6132.

To apply to a graduate program, call or write directly to the individual program department for an application. Graduate program offices may be reached via the University switchboard at (973) 761-9000.

Note: University policy indicates that the provost is responsible for the decision regarding partial or complete suspension of classes on campus and any substantial delayed opening of University operations. When classes are canceled, the University is closed except for essential services. Information regarding suspension of classes and/or University operations will be made available via voice mail and aired by the following radio stations: WSOU (89.5 FM), WMGQ (93.3 FM), WKXW (101.5 FM), WBUD (1260 AM), WCTC (1450 AM). Resident students should call their voice mail. Commuter students and those not on voice mail should call (973) 761-9000. Every effort will be made to have emergency closing information available by 6 a.m.





From the President

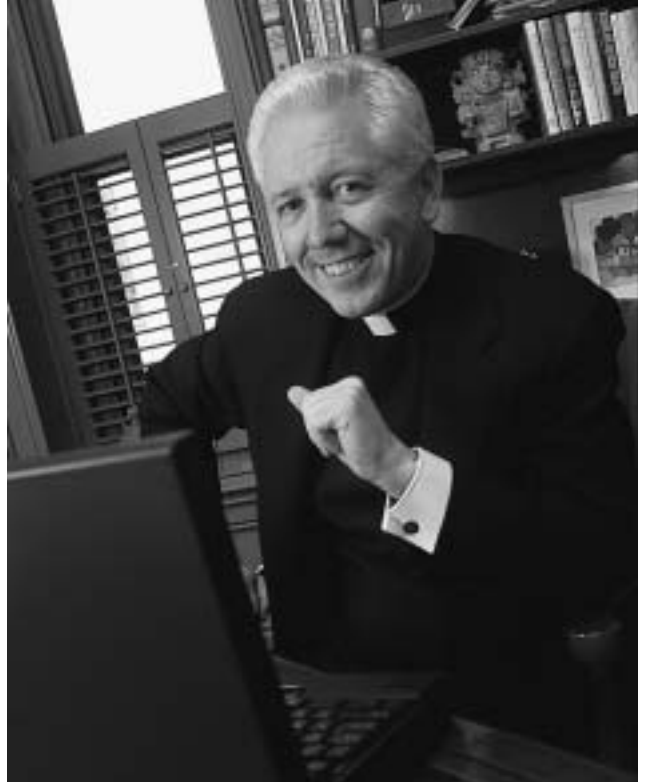
Nearly 150 years ago, Bishop James Roosevelt Bayley had a vision for a place of higher education. Named for his aunt, Saint Elizabeth Seton, Seton Hall, according to Bishop Bayley, would be a home – for the mind, the heart and the spirit.

As we move forward into this new century, Seton Hall plays a clearly established role as a vibrant and innovative university community. Yet this dynamic, complex institution continues to fulfill Bishop Bayley's simple vision. While we offer you and all our students access to the world, in all its bewildering complexity, Seton Hall also provides the ethical and spiritual grounding you need to find your way in that world — and to make a difference.

This combination of knowledge and discernment has long been Seton Hall's formula for success. The strength of our curriculum continues to serve our alumni well in a broad range of professional fields — business, law, health care, education and service to the Church. In addition, the University community prides itself on preparing its students for success in life beyond the workplace. The diverse backgrounds of our students, faculty, and staff bring a rich texture to the lessons offered not only in our classrooms and through our technology, but also through the many extracurricular activities and social opportunities of life at Seton Hall.

On behalf of the entire University, I welcome you to our 2002-03 academic year. I encourage you to allow Seton Hall to make a difference in your life, so that you may go forward as a leader in our global community. I pray that this year will be for you, and for all of us, one of exciting challenges and great achievements.

Monsignor Robert Sheeran
President
Seton Hall University



From the Provost



The *Seton Hall University Catalogue* is your guide to the academic programs for each of the schools, colleges and other divisions within the University. Questions about admission to programs, tuition and fees, student services and the specific academic requirements leading to certificates and degrees, can simply be answered by referring to the catalogue. I recommend that you keep a copy of the catalogue from the year of admission to your academic program in a place where you can refer to it often. Your admission catalogue constitutes the academic agreement between you and the University on matters of program and degree requirements. The catalogue is a comprehensive guide that can be used in combination with the guidance you will receive from your academic adviser. Your adviser will be able to work with you more effectively if you know the general program information to which you were admitted.

The catalogue provides an overview of the University, informing you about our nationally recognized technology support services, our library services, our institutes and centers for learning and research, as well as cultural and community programs. The University is more than a collection of schools and colleges housing academic programs; it is also a diverse community, one that will aim to continually support your academic and personal growth. Monsignor Sheeran's vision statement for our community is that of creating an environment that will help students grow in the direction of becoming servant leaders in a global society. Regardless of how the vision is interpreted, the University will provide you the means to grow so as to achieve that vision.

I am pleased to present this 2002-03 catalogue to you and sincerely hope that it will serve you in achieving a successful academic experience throughout the year.

Mel J. Shay, Ed.D.
Provost and Executive Vice President for Academic Affairs
Seton Hall University

"The University's faith and justice commitments will inform all its efforts in supporting faculty and educating students to be servant leaders in a global society."

FROM THE UNIVERSITY VISION STATEMENT

2002-03 Academic Calendar

Fall 2002

Mon., September 2	Labor Day - University Closed
Wed., September 4	Classes Begin
Wed., September 11	Mass of the Holy Spirit - 12 p.m. - 1 p.m. - Classes Canceled
Fri., October 11	Fall Break - No Classes
Wed., November 27	No Classes
Thurs. - Sat., Nov. 28 - 30	Thanksgiving Recess - University Closed
Fri., December 13	Last Day of Classes
Sat. - Fri., Dec. 14 - 20	Final Examinations

Spring 2003

Wed., January 1	New Year's Day - University Closed
Mon., January 13	Classes Begin
Mon., January 20	Martin Luther King, Jr. Day - University Closed
Mon., February 17	Presidents Day - University Holiday; Classes in session, core services available
Fri., February 28	St. Elizabeth Ann Seton Charter Day (tentative)
Mon. - Sat., March 10 - 15	Spring Recess - No Classes
Thurs. - Sun., April 17-20	Holy Thursday, Good Friday, Holy Saturday Easter Sunday - University Closed
Mon., April 21	Easter Monday - No Day Classes; All weekly Evening Classes will be held
Thurs., May 1	Last Day of Classes
Fri. - Thurs., May 2 - 8	Final Examinations
Mon., May 12	Commencement

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Seton Hall University

Our Mission

Seton Hall is a major Catholic university.

In a diverse and collaborative environment

it focuses on academic and ethical development.

Seton Hall students are prepared to be leaders

in their professional and community lives

in a global society and are challenged

by outstanding faculty, an evolving

technologically advanced setting and

values-centered curricula.



AS APPROVED BY THE SETON HALL UNIVERSITY
BOARD OF REGENTS, JUNE 6, 1996.

University Overview

Seton Hall University was founded in 1856 by Bishop James Roosevelt Bayley, the first bishop of Newark, who named it after his aunt, Elizabeth Ann Seton, a pioneer in Catholic education and the first American-born saint. The University is the oldest diocesan university in the United States.

Nestled on 58 acres in the suburban village of South Orange, New Jersey, Seton Hall's campus is home to eight schools and colleges: the College of Arts and Sciences, the College of Education and Human Services, the College of Nursing, the School of Diplomacy and International Relations, the School of Graduate Medical Education, the Stillman School of Business, the Immaculate Conception Seminary School of Theology and University College. Seton Hall's School of Law is located in Newark, New Jersey.

A Tradition of Christian Values

Seton Hall University is founded on and defines itself and its academic, student life and community programs on a Christian understanding of the nature of the world and the human person. With a tradition of quality education based on Christian values, the University takes pride in its concern for the intellectual, ethical and spiritual development of its undergraduate and graduate students.

Religious beliefs and values are taken seriously at Seton Hall. The University emphasizes the importance of religious and ethical concerns to all areas of human inquiry. With Roman Catholic teaching and tradition as a life-enhancing and enabling vision, the University calls on its students to explore and appreciate all that is the best and most humane in the world.

Seton Hall is Catholic not only by its charter and mission, but also by its ongoing spirit and activity. There exists a basic tenet at the University that religious faith is vital to life and its meaning. This tenet provides a context in which the University has and will continue to define and develop its identity.

At the same time, Seton Hall is committed to bringing together people of different races, cultures, religious traditions, lifestyles and ethnic backgrounds into a community that is respectful and supportive. This commitment has helped to establish a truly multicultural community in which all people of good will are welcome.

Seton Hall strives to develop the intellectual, social and religious talents of its students so they may live their lives responsibly, generously and successfully.

Academic Programs: A Commitment to Excellence

At the graduate level, Seton Hall offers more than 45 degree programs. These curricula are continually evaluated and enhanced to meet the changing educational, professional and technological needs and expectations of an increasingly complex society.

One thing that has remained consistent, however, is the University's commitment to individual attention: With nearly 350 full-time faculty and many adjunct faculty, the average class size

is just 25 students, and the student-faculty ratio is 14-to-1. In addition to a highly dedicated and accessible faculty, the University offers a diversity of special services designed to assist students in their academic, personal, professional and spiritual development. At Seton Hall, students find people who are willing to listen, offer support and help them achieve their goals.

A Window to the Wider World

Seton Hall is in the midst of one of the world's most cosmopolitan centers of education, business, publishing, art and entertainment. The University's close proximity to New York City (which is 14 miles from South Orange) allows students to explore the best that the "Big Apple" has to offer, such as museums, plays, concerts and sporting events, as well as career opportunities.

The History of Seton Hall

From its original enrollment of a handful of students, Seton Hall grew rapidly. During its first 12 years, the College enrolled more than 500 freshmen from 17 states and six foreign countries. The seeds of diversity at Seton Hall were planted almost from its birth.

Seton Hall has always reflected the growing ethnic scope of its students and the increasing diversity of the Church and society it has served. In the 19th century, in spite of setbacks, major fires, lean times and the Civil War, the College continued to expand. By 1937, Seton Hall established a University College. This marked the first matriculation of women at Seton Hall. The University became fully coeducational in 1968.

The years after World War II witnessed unprecedented growth for Seton Hall as it responded to the needs of thousands of veterans seeking higher education. The College was organized into a University in 1950, comprising the College of Arts and Sciences and the schools of Business, Nursing and Education. The School of Law opened its doors in 1951.

The next two decades saw the construction and modernization of a large number of facilities and the construction of the library, science building, residence halls and the University Center. Many new programs and majors were inaugurated, as were important social outreach efforts. New ties were established with the private and industrial sectors, and a growing partnership developed with federal and state governments in creating programs for the economically and educationally disadvantaged.

The '70s and '80s continued to be a time of growth and renewal. New business and nursing classroom buildings and an art center were opened. In 1984, Immaculate Conception Seminary returned to Seton Hall, its original home until 1926, when it moved to Darlington. With construction of four new residence halls between 1986-88, and the purchase of an off-campus

"Every life has a theme, and the theme of the great life raises questions, to answer which one must advance the actual frontiers of knowledge."

ISAAC ROSENFELD

apartment building in 1990, Seton Hall now provides living space for approximately 2,100 students.

The physical development of the campus continued in the 1990s. In 1994, construction was completed on the \$20 million, four-story Walsh Library. This facility provides first-class study and research resources to undergraduate and graduate students, faculty and scholars from around the world. The opening of Walsh Library is symbolic of Seton Hall's transformation from a small, local institution whose library housed the personal collection of its president to a major national university with library holdings of nearly 500,000 volumes.

The opening, in September 1997, of Kozlowski Hall, Seton Hall's newest academic center, was a clear example of the University's continued commitment to technology and the expanding role of information technology in higher education. A six-story, 126,000 square-foot facility, Kozlowski Hall houses the Stillman School of Business, the College of Education and Human Services, the Center for Public Service and the Department of Psychology, and provides a wide range of teaching spaces – from seminar rooms to a 390-seat auditorium. All classrooms in the building are wired to accommodate notebook computers, and many of the lecture halls are equipped with distance-learning technology.

Programs in business, education and human services, nursing, public service, medicine, pastoral theology, corporate and public communication, museum professions and other areas have kept the curriculum abreast of the needs of graduate students into the 21st century.

The 1956 centenary history of Seton Hall concludes with these words: "Seton Hall University's great boast and claim to fame is not predicated on expansion, buildings or even curriculum. It lies rather in the hearts and minds of a dedicated and devoted faculty." Seton Hall's history has been one primarily of people: students and faculty living and working together in a community of learning, a community rooted in a Catholic tradition that is a home for the mind, the heart and the spirit.

Priest Community at Seton Hall

From its earliest existence as a diocesan college, Seton Hall has been staffed by the priests of the Archdiocese of Newark. At present, approximately 42 priests serve the University community in a variety of ways. Some are in administration or on the staff, others are professors on the University or Seminary faculties. Some work directly with students in a pastoral capacity in Campus Ministry.

The presence of the priests of the Archdiocese of Newark, and those from other dioceses or religious orders who also work on campus, is a vital element in furthering the Catholic orientation and commitment of the University. In addition to their administrative or academic duties, the priests minister to all members of the University community, not only through the scheduled liturgical services in the University chapels, but also through their availability, personal concern and response to individual needs.

Accreditation and Memberships

Seton Hall University is fully accredited by the Middle States Association of Colleges and Schools. The academic qualifications of the undergraduate programs have merited their accreditation by appropriate professional memberships as well. Below is a list

of University memberships; additional information regarding individual program accreditation is available from appropriate University departments.

Documents describing the University's accreditation status are available for review in the Special Collections Center, University Libraries.

Accreditations

Accreditation Council for Continuing Medical Education (ACCME)
 Accreditation Council for Graduate Medical Education (ACGME)
 Accreditation Council for Occupational Therapy Education (ACOTE)
 Accrediting Commission on Education for Health Services Administration (ACEHSA) (Pre-Candidacy Status)
 American Bar Association
 American Chemical Society
 American Dental Association-Continuing Education Recognition Program
 American Osteopathic Association
 American Podiatric Medical Association
 American Psychological Association
 American Speech-Language-Hearing Association
 Association of Professional Schools of International Affairs (APSIA) (Pre-Candidacy Status)
 Association of Theological Schools in the United States and Canada
 Association to Advance Collegiate Schools of Business-International (AACSB)
 Commission on Accreditation of Allied Health Education Programs (CAAHEP)
 Commission on Accreditation for Marriage and Family Therapy Education (Candidacy Status)
 Commission on Accreditation in Physical Therapy Education (CAPTE)
 Commission on Collegiate Nursing Education (CCNE)
 Council on Social Work Education
 Institute of Internal Auditors Endorsed Internal Auditing Program (EIAP)
 Middle States Association of Colleges and Schools
 National Association of Schools and of Public Affairs and Administration (NASPAA)
 National Athletic Training Association (NATA)
 National League for Nursing Accrediting Commission (NLNAC)
 New Jersey Department of Education
 New Jersey State Board of Nursing

Memberships

Alliance for Continuing Medical Education (ACME)
 Alpha Theta Chapter of Alpha Delta Mu National Social Work Honors Society
 American Association of Colleges of Nursing
 American Association of Colleges for Teacher Education
 American Association of University Women
 American College of Healthcare Executives
 American Council on Education (ACE)
 American Education Research Association
 American Institute of Physics
 American Library Association
 American Society for Public Administration (ASPA)
 American Society for Higher Education
 American Theological Library Association
 Association of American Colleges and Universities
 Association of American Law Schools
 Association of Arts Administration Educators (AAAE)
 Association of Baccalaureate and Higher Degree Programs in Nursing

Association of Catholic Colleges and Universities
 Association for Clinical/Pastoral Education
 Association of College and Research Libraries
 Association of College and University Telecommunications Administrators (ACUTA)
 Association of Continuing Higher Education (ACHE)
 Association for Excellence and Equity in Education (AEEE)
 Association of Governing Boards
 Association of Independent Colleges and Universities in New Jersey
 Association of Independent Liberal Arts Colleges for Teacher Education
 Association of University Programs in Healthcare Administration (AUPHA)
 Association for the Study of Higher Education (ASHE)
 BIG EAST Athletic Conference
 Catholic Library Association
 Colloquium
 Corporation for Research and Educational Networking (CREN)
 Council for Advancement and Support in Education (CASE)
 Council for Graduate Schools
 Council for Higher Education Accreditation
 Cooperative Education and Internship Association (CEIA)
 Collegiate Leadership of New Jersey
 Educause (formerly EDUCOM and Cause)
 Kappa Delta Pi International Education Honor Society
 Mathematical Association of America
 Metro International
 Middle States Association of Collegiate Registrars and Offices of Admission
 NAFSA
 National Association for College Admission Counseling
 National Association of College and University Business Officers
 National Association of Baccalaureate Program Directors
 National Association of Baccalaureate Social Work Educators
 National Association of Colleges and Employers (NACE)
 National Association of College and University Business Officers (NACUBO)
 National Association of Graduate Admissions Professionals
 National Association of Independent Colleges and Universities
 National Catholic Education Association
 National Collegiate Athletic Association
 National Commission for Cooperative Education
 National Council of University Research Administrators
 National League for Nursing
 National Women's Studies Association
 National University Continuing Education Association
 New Jersey Association for Affirmative Action in Higher Education
 New Jersey Association of Colleges and Universities
 New Jersey Association of Colleges for Teacher Education
 New Jersey Association of Teacher Educators
 New Jersey Library Association
 New Jersey Marine Sciences Consortium
 New Jersey Project
 NJEdge.Net (formerly the New Jersey Intercampus Network)
 North American Association of Summer Sessions
 Pi Alpha Alpha National Honor Society for Public Administration
 Psi Chi National Psychology Honor Society
 Sigma Theta Tau, Gamma Nu Chapter International Nursing Honor Society
 Theta Alpha Kappa National Honor Society for Religious Studies

Schools and Colleges

Graduate programs in the College of Arts and Sciences, College of Education and Human Services, College of Nursing, School of Diplomacy and International Relations, Stillman School of Business, School of Graduate Medical Education, Immaculate Conception Seminary School of Theology, and the School of Law's Health Law Policy Program are included in this catalogue within the appropriate school or college section (please refer to the Table of Contents).

Information regarding the School of Law (described briefly below) may be obtained by contacting the School of Law Admission Office, (973) 648-8747.

Undergraduate programs offered by the University are described in the *Undergraduate Catalogue*, available in Enrollment Services.

School of Law J.D./M.B.A

The Seton Hall University School of Law was founded in 1951. It is the only law school in New Jersey operated by a private university. It offers a full-time program, leading to a J.D. in three years and a part-time evening division leading to a J.D. in four years. It also offers an LL.M. and an M.S.J. in Health Law.

In addition to basic courses required for admission to the bar in all states, the School of Law offers advanced courses in a variety of areas of the law, including a number considering legal and policy questions being addressed across the nation and internationally. The School offers opportunities to specialize in areas, such as health law, intellectual property, criminal law, corporate law, employment law and international law. Active participation in appellate and trial moot court provides training in the effective presentation of legal cases and argument.

In the area of clinical legal education, the School of Law's Center for Social Justice has developed a number of litigation clinics and other programs that offer practical skill training and an opportunity to serve the community.

Further information is available from the School of Law, One Newark Center, Newark, NJ 07102, (973) 642-8800, or visit the Web site at law.shu.edu

Information Technology

Dennis J. Garbini, M.B.A., Vice President for Finance and Technology

Stephen G. Landry, Ph.D., Chief Information Officer

The University's Technology Long-Range Plan

Seton Hall University has made a major commitment to information technology through its Information Technology Long-Range Plan. This plan was approved by the University's Board of Regents in 1995 and revised in 1997. Under this plan, the University has invested more than \$15 million to improve its technology systems and services, including wiring of classrooms, residence halls and public spaces, and replacing the University's fiber optic network and servers. The University's technology plan focuses on the use of information technology in support of teaching and learning. The University views information technology as a transformative agent that not only enhances traditional modes of teaching and learning, but also enables new kinds of teaching and learning and new methods of delivering the University's educational services.

The second Technology Long-Range Plan, currently in development, intends to build on the momentum and success of the first plan. It will encourage further innovation in the use of technology to enhance the learning experience of the student and explore the possibilities for achieving an even greater sense of community. This plan intends to explore the ability provided by technology to transcend the limits of the physical classroom, to keep students connected with each other and their teachers beyond the allotted class time, engaged in dynamic and shared learning activities, as well as with campus life. The second Technology Long-Range Plan also is being developed to focus on the use of technology to streamline and improve the administrative activities of the University.

The Mobile Computing Program

One of the cornerstones of the University's technology plan is making technology ubiquitous throughout the educational experience. This commitment is embodied in the University's Mobile Computing Program. This is an innovative, academic program with three components:

- **Ubiquitous Access:** All students in the Mobile Computing Program are provided with a current IBM ThinkPad® computer as part of their tuition and fees. The computer is upgraded at the end of the student's second year as a full-time undergraduate student at Seton Hall University.
- **Curricular Integration:** The University supports and encourages faculty to integrate the use of technology into the curriculum.
- **Infrastructure and Support:** The University provides the technology infrastructure and support services that enable students and faculty to make effective use of this teaching and learning tool.

Participation in the Mobile Computing Program is mandatory for all full-time entering undergraduate students. This program is

not just a computer lease arrangement; rather, it is a comprehensive, academic program designed to integrate information technology into all aspects of student life. No computer skills are required to participate; the University provides appropriate training and support for all students, whether they are beginning or advanced computer users.

The Mobile Computing Program, along with other teaching, learning and technology initiatives at Seton Hall University, is designed to achieve the University's goal of providing a technologically advanced learning environment. Through this program, Seton Hall University makes the best possible use of technology in teaching and learning and prepares students for life and careers in the Information Age.

Transforming Education Through Information Technology

Seton Hall University has institutionalized the process of educational change through the use of information technology. The University's **Teaching, Learning and Technology Center (TLTC)**, located in Walsh Library, provides the programs and services that support the effective use of information technology to enhance teaching and learning. The **Curriculum Development Initiative (CDI)** provides systematic support for departments integrating information technology into required core courses or course sequences. The **University Technology Fellows Program (UTF)** supports faculty from a variety of academic departments to lead their peers in the use of information technology to improve teaching and learning.

The **Student Technology Assistants Program (STA)** engages students in supporting the University's technology initiatives for integrating technology into the curriculum. The STA program is



student-centered and student-run, with guidance from University faculty and technologists, providing students with a structured experience in technology support and consulting services. Students interested in part-time careers as technology consultants should contact the Teaching, Learning and Technology Center (TLTC) or visit the TLTC's Web site at tltc.shu.edu/ace

Seton Hall has formed partnerships and alliances with various technology vendors and service organizations in order to ensure that the best possible technology and services are available to support information technology. For example, the University has a strategic partnership with IBM Corporation to provide IBM ThinkPad® computers for the Mobile Computing Program and the network systems and services that enable the effective use of those computers. The University's partnership with AT&T created a private cellular network for the campus which provides students with a tremendous value on AT&T wireless services.

The Campus Network

Seton Hall University's campus network received the 1999 EDUCAUSE Award for Excellence in Campus Networking. The University is included in the *Yahoo! Internet Life* listing of the Top 50 "Most Wired" universities in the United States. All residence halls are fully wired. All of the University's classrooms have data connections, including a significant number that support notebook computers by providing power and data to each seat. A number of public spaces also have been wired, including the University Library, study lounges in Kozlowski Hall, the Pirate's Cove coffee house and the University Green. In addition to the large number of wired areas, there also are a number of academic and public areas where wireless network connectivity is available. This includes the University Center Main Lounge; Pirate's Cove; Galleon Room; Pirate's Cellar; the University Libraries, and classrooms in Corrigan, Fahy, Duffy and McNulty halls.

Each incoming student at the University receives a network account. The campus network provides access to e-mail, the Internet and a wide variety of instructional software. Most computers use the Microsoft Windows operating system and the Microsoft Office application suite. The University's campus e-mail is based on Lotus Domino, and students access their e-mail by using their standard Internet browser. A number of classes use Blackboard as a collaborative learning environment, providing online document repositories, discussion groups and assessment tools for faculty and student use. The University provides Web-hosting services for student home pages and network storage for student files. For student home pages and networking storage, each student is provided 125 Mb of space for each. Web development information for home pages can be found at technology.shu.edu/webdev. More information about the University's network, including technical specifications for the network and servers, can be found at technology.shu.edu. Upon graduation, students are eligible for an alumni e-mail account. This is an e-mail account that they would have for life at no cost.

Technology Services

The University provides a wide range of facilities and services to support information technology. Among these are:

PC Support Services: Located in the lower level of Corrigan Hall, PC Support Services provides walk-in support, computer repairs and laptop one-on-one consultation, as well as phone

support for the entire University community. Technical services personnel are available Monday through Friday, 8 a.m. - 6 p.m. The consultation office is open Monday through Friday, 8 a.m. - 6 p.m. The Technology Help Desk is open Monday through Friday, 8 a.m.-1 a.m.; and Saturday, 9 a.m.-5 p.m. Call ext. 2222 (973-275-2222) for more information.

Public Computer Labs: The University maintains five public computer labs containing more than 100 computers in four academic buildings (Arts and Sciences Hall, Corrigan Hall, Kozlowski Hall) and Walsh Library. Public computer labs are open Monday through Thursday, 8 a.m.-11p.m.; Friday, 8 a.m.-9 p.m.; Saturday 9 a.m.-5 p.m.; and Sunday, 1 p.m.-11 p.m. Call ext. 2222 (973-275-2222) for more information or visit the Web site at technology.shu.edu/pcsupport

All of the University's public computing labs are equipped with modern Pentium computers connected to the campus network, public access printers and mobile ports for those students who wish to use a laptop in the lab. The public computer labs are staffed by student technology assistants (STAs) who provide assistance in the use of the University's computers, networks and software. PC Support Services also employ STAs as student technicians to work in the consultation area, troubleshooting and repairing laptop problems as well as at the technology help desk, troubleshooting software problems over the phone. Students interested in learning more about computers and/or working in the field of information technology can stop by Room 25 in Corrigan Hall or call (973) 275-2222 to inquire about job opportunities with PC Support Services.

In addition to the public computing labs, a number of academic departments, including Chemistry and Biochemistry, Communication, English, Mathematics and Computer Science, Modern Languages, Nursing, Physics and Psychology maintain their own computer labs.

University Computing Services and Telecommunications: Located in Corrigan Hall, University Computing Services is responsible for maintaining the campus network, all campus servers (e-mail, Web, applications), including the Student Information System, and the administrative and financial systems. Telecommunications is responsible for all telephones, telephone switches, voice mail accounts, cellular phones and the Seton Hall directory, along with several administrative functions at the University.

Teaching, Learning and Technology Center (TLTC): Located in Walsh Library, the Teaching, Learning and Technology Center (TLTC) integrates the traditional functions of academic computing and media services. The TLTC promotes and supports the use of information technology in teaching and learning, including support for information technology in the classroom. Facilities in the TLTC include a media production center for acquisition, conversion and editing digital media; a faculty development and training center; viewing and listening carrels; and an interactive television classroom. Instructional support for teaching and learning includes all types of learning support for classroom activities, including state of the art media equipment, streaming video and audio, interactive television, and technical support and training for faculty.

The Computer Training Center (CTC), located in Walsh Library, is charged with providing appropriate training in all University-supported computer software to the entire Seton Hall community. Its mission is to link training with the University's

strategic technology goals and to provide free training to faculty, students, administration and staff year round in either a formal class, one-on-one session or customized program.

The University's **Institute for Technology Development (ITD)** is the central point of coordination for service to the larger academic community on teaching, learning and technology initiatives. The ITD was founded in response to the abundance of requests for assistance by colleagues external to the University, and it incorporates a fee for service structure to support its programs and internal developmental activities. Through contracts with other colleges and universities, sponsorship of teaching, learning and technology events, and conferences and inter-institutional alliances, Seton Hall University shares its expertise with other educators for the goal of educational reform. These engagements offer Seton Hall staff, faculty and students learning opportunities through consultation, collaboration, publication and leadership. The ITD's four areas of core competence and, therefore, service offerings are: (1) Faculty Training and Development, (2) Student Technology Assistant Programs, (3) Assessment and Educational Evaluation, and (4) Strategic Planning for Ubiquitous Computing Initiatives. Visit the Web site at itd.shu.edu

University Library Services

Arthur W. Häfner, Ph.D., Professor and Dean of University Libraries

Librarians and staff provide Seton Hall University library services on the South Orange campus in the Walsh Library for approximately 90 hours per week and longer during final examination periods. This four-story 155,000 square-foot facility, which opened in August 1994, houses the University Libraries; the Walsh Library Gallery; and the Monsignor William Noé Field University Archives and Special Collections Center, which includes the University's Records Management Center. Walsh Library also accommodates the Teaching, Learning and Technology Center, which includes the Faculty Consultant/Instructional Design Team, the Computer Training Center, the Student Technology Assistance Program, the Interactive Television Classroom and University Media Services. The Seminary Library is located in Lewis Hall as part of Immaculate Conception Seminary. The Peter W. Rodino Jr. Law Library, located on the Newark campus at the School of Law, is separately administered. Strong onsite collections in the University Libraries are augmented by electronic gateways to connect Seton Hall University library community members with global academic resources in other libraries and institutions worldwide. Visit the Web site at library.shu.edu

The University Library

The University Libraries has notable resources, including extensive holdings of almost 500,000 books and 1,875 current periodical subscriptions and back-files on open stacks, a broad selection of digital and print academic indexes and abstracts, a large selection of full-text academic journals in digital format, music CDs and audiovisuals. The non-print collection includes about 776,500 microfilm/microfiche pieces that span ERIC and other reports, periodicals and newspapers. The University Libraries is a selective depository for U.S. Federal and State of New Jersey documents and a full depository for U.N. documents.

Depository status provides access to more than 350,000 documents, in addition to Web-accessible documents. For added bibliographic access and document delivery, the University Library participates in consortia such as New Jersey's Virtual Academic Library Environment (VALE) and the national-international OCLC consortium. It provides interlibrary loan through ARIEL for online document delivery to the user's desktop and the consortium Libraries Very Interested in Sharing (LVIS). The University Libraries has strong and growing collections in the areas of Asian studies, Judaeo-Christian studies and Italian studies through its Valente Collection. The Curriculum Resource Lab contains K-12 resources that support instruction provided by the College of Education and Human Services. New books are available on open stacks and are displayed on specially marked "New Book" shelves. Popular periodicals and a variety of local, national and international newspapers are displayed in the Browsing Room, which offers soft-chair seating and study tables. All information resources are catalogued and accessible through SetonCat, the University Libraries' online public access catalog. Ergonomic seating accommodates more than 1,100 students, faculty and visitors in a variety of study facilities, including tables, carrels, group-study rooms and scholar study rooms.

A faculty of 13 qualified full-time professional librarians, supported by administrative and clerical staff, focus on Seton Hall's community of students, classroom faculty and scholars by seeking out and listening to needs, and continuously transforming the University Libraries to exceed clientele expectations. Librarian faculty, staff and administrators practice the virtue of hospitality in welcoming and assisting students to be successful in utilizing information resources for scholarship and faculty for knowledge creation and classroom instruction. The librarian faculty provide reference desk service, consultation services and research assistance seven days per week. Along with onsite reference service, librarian faculty offer bibliographic and information services via telephone at (973) 761-9437 and e-mail at library@shu.edu to enrolled students and current faculty and staff in on-campus programs or to enrolled participants in off-campus distance education programs offered through SetonWorldWide. Librarian faculty teach classes in bibliographic and information instruction to provide undergraduate and graduate students with specific information literacy skills needed for scholarship and to prepare students to make effective lifelong use of information, information sources and information systems. Librarian faculty serve as subject bibliographers and liaisons to various academic disciplines for collection development and curriculum support. The University's Curriculum Development Initiative, "Information Literacy in the Wired University" is a joint undertaking with several librarian faculty in conjunction with Freshman Studies and the English and Psychology departments, with its focus being to merge information literacy with the teaching of core subject disciplines. Librarian faculty also provide library services to high school students. These are participants enrolled in special summer programs at Seton Hall, students in the University's Project Acceleration or participants in the Academic School and Public Libraries Program (ASAP), which is a cooperative information project among the Maplewood Public Libraries, South Orange Public Library, South Orange/Maplewood Public School Libraries, and Seton Hall's University Library. Through ASAP, Seton Hall students may use nearby public and school libraries to benefit from the rich array of available local resources.

Technology available in the University Libraries includes the Web-based delivery of key academic databases of indexes, abstracts, and digital full-text resources for study and research, e.g., EBSCO Host, Lexis-Nexis, ProQuest, PsycInfo, and Project Muse, among others. The University Libraries' Learning Resource Center provides users with 28 state-of-the-art computer workstations, and the University Libraries features wireless connectivity throughout the facility. The Libraries' electronic-reserve (e-Reserve) capability allows students to access faculty-assigned readings and electronic academic databases from anywhere on campus, or remotely off campus, with Internet access anytime of the day or night.

The University Libraries facility complies with the Americans with Disabilities Act (1990) and the Rehabilitation Act (1973) by providing building access via an entrance ramp and elevator service, accommodating wheelchair-bound individuals, providing handicapped-accessible rest rooms and providing nearby parking spaces for the handicapped. Students or faculty with visible or invisible disabilities, who self-identify at the Circulation Desk, may receive assistance with photocopying and retrieving collection resource materials. Additionally, individuals may use an array of adaptive equipment that is available to assist handicapped/challenged persons in the use of resources and facilities in the University Libraries.

Seminary Library

The Seminary Library is located in Lewis Hall on the South Orange campus. Its collections support the curriculum of the Immaculate Conception Seminary School of Theology, a graduate School of Theology at Seton Hall and the major seminary of the Catholic Archdiocese of Newark. The collection contains approximately 60,000 books, 400 periodical titles, periodical microfilm holdings and some audiovisual material. The collection's focus is on theology and Church history. It is particularly strong in liturgy and biblical studies. Some resources are available in German, Hebrew, French, Latin and Spanish. The Seminary Library's collections are included in SetonCat, the online catalogue. The Seminary Library is housed in a modern facility that provides comfortable and convenient study areas. Collection resources are on open shelves. Access to the collection is limited to students and faculty of Immaculate Conception Seminary School of Theology and other University faculty. Seton Hall undergraduate and graduate students may obtain a one-time-use courtesy card at the University Libraries Reference Desk. Other persons must access the collections through inter-library loan services provided by the University Libraries or their home library. Visit the Seminary Library Web site at library.shu.edu/seminary.htm

The Walsh Library Gallery

The Walsh Library Gallery offers Seton Hall's community an opportunity for cultural appreciation and spiritual growth. Since opening in Fall 1994, the Walsh Library Gallery has provided a forum for community members to share society's richly diverse cultural heritages and experiences of others through artistic expression.

Located on the first floor, the gallery is a state-of-the-art, climate-controlled space encompassing 2,500 square feet. During the academic year, Walsh Library Gallery offers a number of

rotating exhibits, providing students and community members with an opportunity to observe and experience beauty in works of art. In addition to interior exhibit space, there are six exterior window exhibits. These window galleries highlight exhibitions being shown in the main gallery, showcase special events on campus, draw attention to issues of current interest, and provide an ongoing visual survey of new library acquisitions and technology. Exhibits and special event programs are free-of-charge.

Artists from around the world have displayed their work in Walsh Library Gallery, including artists from the United States, Brazil, China, the Dominican Republic, France, Italy, Lithuania, Poland and the Ukraine, among others. Mediums have included paintings, watercolors, sculpture, etchings, photographs, posters, prints and textiles. Styles have been equally diverse. Historical topics for exhibits have ranged from the cultural heritage of the Lenape Indians and the history of the Harlem Renaissance to photography of parks designed by Frederick Law Olmsted in Union County, New Jersey.

The Walsh Library Gallery audience continues to broaden. University students from undergraduate liberal arts classes such as art, anthropology, ethics, history and literature, and graduate students in programs such as art and museum professions often have class assignments and oral presentations that are integrated with exhibit themes. Walsh Library Gallery provides opportunities for students, under the direction of faculty and the Walsh Library Gallery director, to plan, produce and mount exhibitions. Students from around New Jersey in grades 3-12 visit Walsh Library Gallery to hear presentations that focus on exhibits. Pre- and post-visitation packets provide activities and curricular materials for teachers to enhance their student's educational experience.

In addition to exhibits, Walsh Library Gallery regularly hosts scholarly events, such as the English department's Poetry in-the-Round series, which features monthly visits from renowned and award-winning authors and poets. These activities draw a large number of visitors to the gallery's exhibits. Receptions often take place in conjunction with exhibits and feature lectures, live music, ethnic food tasting, and ample opportunity for students and visitors to meet and speak with featured artists. Friends of the Walsh Library Gallery and various campus and off-campus offices provide financial support for programs.

Activities of Walsh Library Gallery are regularly featured in many local and large circulation newspapers, including feature articles in *The New York Times* "New Jersey" section and *The Star Ledger*. The Walsh Library Gallery has been featured in the *New Jersey Monthly Magazine's* "Out and about Calendar" of not-to-miss events during the month. Television Channel 12 News, NJN/Channel 13 and Spanish language Channel 48 provide frequent coverage of Walsh Library Gallery exhibits. The campus community regularly learns about exhibits and special programs in *The Setonian*, staff newsletters and e-mail community announcements. Visit the Walsh Library Gallery Web site, which provides access to current and past exhibits, at library.shu.edu/gallery

Gifts of art from donors and artists, along with the occasional purchase of art, are developing a significant permanent art collection for the University. Many of these pieces are available for viewing throughout the University Libraries and in other campus

public spaces. The director of Walsh Library Gallery, JoAnn Cotz, may be contacted at (973) 275-2033 or via e-mail at cotzjoan@shu.edu

The Monsignor William Noé Field University Archives and Special Collections Center

The Monsignor William Noé Field University Archives and Special Collections Center is located on the first floor of Walsh Library. Encompassing nearly 4,000 square feet, it contains various historically unique and significant resources that document the history of Seton Hall University and the Archdiocese of Newark. Manuscripts, ledger books, photographs, newspapers, annual reports, scrapbooks, physical artifacts and other types of archival resources form this collection. The papers of different bishops, parish histories and Catholic directories constitute a portion of the collection highlighting the continuous development of the Archdiocese of Newark from 1853 to the present day. Institutional resources in the form of presidential papers, departmental files, physical plant data and self-study records are integral parts of the expansive school history archival file, which dates from 1856.

Among the distinctive collection resources are the manuscripts of prominent former New Jersey governors Richard Hughes and Brendan Byrne and the papers of national political figures, including Marcus Daly, Leonard Dreyfuss, Matthew Rinaldo and Bernard Shanley. The Seton-Jevons papers (1792-1963) showcase activities undertaken by various relatives of the first American-born saint, Elizabeth Ann Seton. Other significant collections include those of prominent Seton Hall personalities and prolific authors such as the late Monsignor John Oesterreicher (1904-1993), founder of the Judaeo-Christian Studies department, and the late Monsignor William Noé Field (1915-2000), English professor and archivist. The collection contains more than 9,000 printed works, including rare and autographed books, the MacManus Irish History and Literature Collection, the Gerald Murphy and Pierce Byrne United States Civil War and World Military Uniform Book collections, and hundreds of master-level and doctoral dissertations of Seton Hall graduate students.

The Monsignor William Noé Field University Archives and Special Collections Center provides a comfortable reading room designed for serious research and an adjacent room for instruction and small-group seminars. Microfilm readers are available for scanning records along with computer workstations that facilitate research and access to academic databases and gateways to worldwide information resources. Public service is a priority, and Seton Hall students are encouraged to use these resources as part of their scholarly development. The University's collections and archives also are open, by appointment, to faculty, clergy and the general public who have specific research needs. The Monsignor William Noé Field University Archives and Special Collections Center coordinates appointments for research and accepts donations of materials that fit within its scope. Professor Alan Delozier, Librarian/Archivist, may be contacted at (973) 275-2378 or via e-mail at delozial@shu.edu. Many of the center's activities and events are sponsored by The Friends of the Archives. Visit the Monsignor William Noé Field University Archives and Special Collections Center Web site at library.shu.edu/scclg.htm or call (973) 761-9476.

The Records Management Center

The Records Management Center is located within the Monsignor William Noé Field University Archives and Special Collections Center. It houses non-current and permanent non-archival institutional records. The records management program is designed to create, facilitate and monitor the official standardization of retention schedules for each University department. Information files are systematically transferred, stored and made available for review by the originating University office upon request. The Records Management Center can be reached at (973) 275-2063.

Institutes and Centers for Learning and Research

The Center for African-American Studies

William W. Sales Jr., Ph.D., Director

The Center for African-American Studies, established at the University in 1970, encourages serious scholarship committed to social change and human rights. Through the study of the unique history, society and life of black people, it also seeks to encourage active participation in the struggle for social justice and freedom for black people and for all peoples.

The Center is assisted in its activities by an advisory board consisting of members of various divisions of the University, students and the community. It seeks to involve the entire University in an appreciation of the black experience and the promotion of social change. Further, it seeks to respond to the black community and, by extension, other related community groups. To achieve these objectives, the Center offers special programs for community agencies that take place on campus and at various community sites.

American Humanics

Roseanne Mirabella, Ph.D., Campus Executive Director

Joseph Marbach, Ph.D., Faculty Adviser

The American Humanics (AH) program is an innovative course of study that equips college and university students to become skilled professionals and leaders in local nonprofit organizations. The mission of the program is to prepare and certify future nonprofit professionals to work with America's youth and families and to be the region's preferred source of nonprofit professionals. Seton Hall University's students are increasingly civic-minded and committed to community service - including an inclination to pursue employment in nonprofit organizations. American Humanics graduates immediately impact the nonprofit agencies they join and continue to make a significant contribution to the nonprofit sector throughout their careers. The American Humanics program is offered to undergraduate students on more than 80 campuses across the country. Seton Hall University became an American Humanics affiliate in December 2000.

Seton Hall University's American Humanics program offers an innovative course of study and experiential education to students. The benefits to the students include the following:

- certification in entry-level nonprofit employer competencies;
- coursework grounded in the foundation and practices of nonprofit management;

- tested practices and principles through experiential learning;
- one-to-one support, career development and mentoring;
- networking with prospective employers;
- opportunity to test skills and various nonprofit roles through internships, co-curricular and community service activities;
- potential for references and referrals from nonprofit organizations' executive directors, advisory board members and community leaders;
- exposure to national nonprofit network of partners and career options;
- increased sense of being connected and belonging to the community; and
- opportunities for lasting friendships.

The Archaeological Research Center for New Jersey

The Archaeological Research Center for New Jersey has conducted excavations since 1964, primarily in the upper Delaware River and Musconetcong River Valleys. These studies have helped to extend New Jersey's prehistoric heritage back 12,000 years. The results of these excavations and other research are published in numerous books and scholarly publications. Artifacts recovered in the excavations are displayed in Fahy Hall. The Archaeological Research Center also is headquarters for the Archaeological Society of New Jersey.

The Asia Center

June C. Yoon, C.P.A., M.B.A., Director

The Asia Center of Seton Hall University works to bridge the cultural and political divide between East and West. The Asia Center provides insight and solutions to the issues affecting Asia and the United States by creating a global gateway to mutual understanding, respect and cooperation. The Asia Center is a dynamic think tank on Asia-related issues. With the participation of its advisory board of noted experts on Asian affairs, the Center offers unique insights and innovative services concerning Asian culture, economics and current issues.

The Asia Center's vision is to become an internationally recognized organization that promotes understanding and heals divisions that might otherwise stand in the way of unity and peace, both around the corner and around the world. The Asia Center sponsors forums and conferences, develops diplomatic and scholar exchange programs, promotes research on Asian affairs and provides multicultural educational opportunities. The Center also serves as an entrepreneurial arm of the University, initiating new ventures involving East Asia and working closely with Seton Hall's schools and colleges.

For more information, contact The Asia Center in Alfieri Hall, Room 29 at (973) 275-2304; fax: (973) 761-9744; e-mail: asiacntr@shu.edu; or visit the Web page: academic.shu.edu/asiacenter

The Center for College Teaching

Albert B. Hakim, Ph.D., Director

The Center for College Teaching was established in 1987. The primary initiative for welcoming new faculty, introducing them into the life of the University, and supervising their inauguration into college teaching rests with their departments and their colleagues. The Center, however, is one among many vehicles for extending this initiative inasmuch as it supplements departmental input by fixing on those aspects of teaching that transcend

the several departments. The Center brings to the attention of the faculty new styles in teaching and learning, successful innovations, different approaches to specific categories of students and other items of pedagogical worth, which serve to broaden the vision of what is happening on the college landscape. This is done by developing a calendar of events addressing these objectives, by making current literature available and by offering practical interdisciplinary opportunities.

Paralleling this direct approach to teaching enhancement is the Center's goal of fostering a sense of community among the faculty in the hope of realizing that education is a common enterprise, that one is not obliged to go it alone and that one does better in the classroom individually when he or she knows that the effort is shared by others. Time and again, respected educators have insisted that what the faculty in higher education in this country need most of all is a renewed sense of common enterprise and common vocation. For these reasons, the Center makes community its primary focus.

The Center for Leadership Studies

Lisa McCauley Parles, J.D., Director

Since its inception in 1994, The Leadership Studies Program has been shaped by a Leadership Council of corporate executives, entrepreneurs, and community leaders from the New York/New Jersey metropolitan area.

The purpose of the program is to develop in its students a core set of competencies that will enhance students' existing talents to lead organizations. These essential skills include proficiency in strategic thinking, critical analysis, logical reasoning, and oral and written communication. In addition, the development of the leadership potential of participating students is emphasized.

Practical business experience is an integral part of the Leadership Studies Program. During their junior year, leadership students are paired with mentors from the Leadership Council and work with these corporate executives on a project related to the executive's company or organization. Through a joint program initiative with the Career Center, the program offers several workshops and events, as well as assistance with securing summer internships. In addition, guest lecturers are invited each Fall and Spring semester to address the leadership students. Students are required to complete community service projects and hold leadership positions both on and off campus to complement their studies. Students must maintain a 3.0 GPA. Visit the Web site at business.shu.edu/leadership

The Center for Sport Management

Ann M. Mayo, Ph.D., Director

The Center for Sport Management, established in 1996, serves as the center for sport management expertise, nationally and internationally, at the undergraduate, graduate and industry levels. The Center offers a cutting-edge approach to sport management education from a business school perspective, offering the B.S.B.A., the M.B.A., graduate certificates and executive education covering all facets of the sport industry.

Located in the heart of the sport industry, the Center for Sport Management at Seton Hall University provides students with unparalleled internship opportunities and takes advantage of its unique location by using industry professionals as instructors and guest lecturers in the classroom. The Sport Management Advisory

Council, composed of sport industry professionals from around the country, provides the center and its students with ongoing curriculum review and professional opportunities. Visit the Web site at business.shu.edu/sports

The G.K. Chesterton Institute

Ian Boyd, C.S.B., Director, and Dermot Quinn, D.Phil., Associate Director

The G.K. Chesterton Institute, a not-for-profit educational organization incorporated in the United States, Canada and Great Britain, is located at Seton Hall University. Its purpose is to promote the thought of the English writer G.K. Chesterton (1874-1936) and his circle and, more broadly, to explore the application of Chestertonian ideas in the contemporary world. Poet, novelist, journalist and theologian, Chesterton was one of the most versatile writers of his day. He was able to write of serious matters in a style accessible to the ordinary person, making him one of the most beloved literary figures of the century. His thought has particular importance for scholars of the sacramental tradition, Catholic social teaching and Christian spirituality.

The Institute's work consists primarily of organizing conferences and lecture series of research and writing. Under the editorship of its president, Reverend Ian Boyd, it also publishes *The Chesterton Review*, a widely respected academic journal. Other journals sponsored by the Institute are *Gilbert* and *Second Spring*. For more information, contact the Institute in Presidents Hall, Room 9, at (973) 275-2430.

The Institute for International Business

Hector Lozada, Ph.D., Director

The Institute for International Business, established in 1964, serves as the center of international business expertise for students, faculty and the business community. In 1994, the Institute received a \$1 million endowment from the estate of W. Paul Stillman to support its initiatives. The Institute offers an innovative program of study leading to the Master of Science in International Business and cooperates with the School of Diplomacy and International Relations in a joint program. The program provides professional education for present and future corporate leaders. The Certificate in International Business, offered as part of the Master of Business Administration program, is interdisciplinary and consists of courses in the international aspects of accounting, economics, finance, management and marketing. The certificate is also available to qualified individuals from industry on a nondegree basis. On the undergraduate level, the Institute offers a minor in international business in which the curriculum includes language and cultural components, as well as core business courses.

Additionally, the Institute sponsors courses abroad, lectures, internships and scholarly exchange for both students and faculty with several leading academic institutions in the world. In its efforts to serve the business community, the Institute offers international business lectures and executive training programs for international business leaders.

The Institute for Near East Archaeological Research

The Institute for Near East Archaeological Research fosters interest in the entire ancient Near East and focuses on the archaeology of Tell Safut, a Middle-Late Bronze Age and Iron Age site,

occupied approximately 4,000 to 2,500 years ago, during the time and region of the Old Testament. The Institute is unique in that the artifacts and other findings from this important site are available nowhere else outside of Jordan.

The Institute's first Near East archaeological expedition was to Tell Safut in Jordan in 1982, in a project jointly sponsored by Seton Hall University, the American Schools of Oriental Research and the Department of Antiquities of Jordan. For this and the subsequent seven digs, faculty and students from numerous colleges and universities have taken the opportunity to travel to the Near East, tour its archaeological sites and become active participants in archaeological fieldwork. Future trips are planned.

The Institute, which now houses the findings of these expeditions, provides access to them for first-hand examination. The Institute also is open to the public at regular times and by appointment.

The Institute for Service Learning

Joseph Marbach, Ph.D., and Roseanne Mirabella, Ph.D., Co-Directors

The Institute for Service Learning was established in 1997 to support the activities of Seton Hall University as it implements service learning on campus. Service learning, defined as a form of experiential education in which students engage in activities that address human and community needs together with structured opportunities intentionally designed to promote student learning and development, is a relatively new pedagogy that integrates academic and community-based learning with the intellectual work at the University.

Designed to introduce students to the complexity of social issues and community decision making, the Institute provides students with opportunities to participate in both in-class and on-site projects, such as volunteerism, community development and nonprofit management. Service learning affords students the opportunity to explore the causes of community problems, clarify his or her values, consider social service as a career choice, and become a more informed citizen and decision maker.

To assist in the achievement of these goals, the Institute develops and implements seminars to introduce faculty to the theory and practice of service learning, works with faculty in graduate and undergraduate departments as they develop courses that involve service learning, facilitates collaboration among professors and staff to enhance volunteerism in the community, and works with community leaders in Essex County and beyond to establish service learning and nonprofit management relations.

The Institute of Judaeo-Christian Studies

Reverend Lawrence Frizzell, D.Phil., Director

The Institute of Judaeo-Christian Studies, founded in 1953, is primarily a center for research and publication. Its area of study is the Church's rootedness in Judaism and the relationship between the Church and the Jewish people through the ages. Its work include an annual series of lectures, study days and conferences. These are intended to inform the general public about various facets of Christian-Jewish relations. A special lecture in the fall of each year celebrates the memory of Monsignor John M.



Oesterreicher, the founder of the Institute. He was an important collaborator in preparing the statement by the Second Vatican Council on "The Church's Bond with the Jewish People."

The Institute began a graduate program in Jewish-Christian studies in the fall of 1975. In 1978, the program was incorporated into the College of Arts and Sciences; in 1979, it became a department of the College. Department and Institute are thus independent units, even though origin and goal bespeak an intimate relationship. The requirements for admission to the program and a description of the course offerings may be found in this catalogue. Visit the Web site at artsci.shu.edu/Graduate/jewish

The Institute on Work

Barrie A. Peterson, M.Div., and William J. Toth, Ph.D., Co-Directors

The Institute on Work was established in 1997 under the direction of Ray Bramucci who served as assistant secretary for Employment and Training of the U.S. Department of Labor from 1998-2001. Under the aegis of the Center for Catholic Studies it has as its mission the creation of constituencies of conscience that generate fresh thinking, new partnerships and creative long-term strategies to ensure full public access to family-supporting jobs in New Jersey. The Institute examines moral, economic and spiritual issues of work in contemporary society: Who gets work in our society? How well do we prepare people, particularly the next generation, for the world of work? How just are our workplaces? What is the meaning of work? How can we make our work more communal and humane? How can we mutually integrate the demands of family and work?

The inaugural activity of the Institute was the 1997 Seton Hall University Job Creation Summit Conference, followed by five task forces considering issues raised at the conference and recommendations. The Institute completed a study "Employer Attitudes and Experiences with the Welfare-to-Work Transition in New Jersey" for the New Jersey Department of Labor in November 1998 and, in 1999, delivery of the Personal Enhancement Program to 1,300 employees of the Newark Archdiocese Catholic Community Services and a national conference on Work-Life Ministry. A program of Technical Assistance was begun to aid community and faith-based groups in starting nonprofit temporary to permanent help agencies. In 2000, the Institute began providing aid to two state programs: the Governor's Faith-Based Initiative and the Entrepreneurial Training Institute, and papers on Immigrant Workers in New Jersey and American employers' contingent worker practices were produced.

The Institute has been asked to serve as evaluator for community-based organization training/job-creation projects, offered a course, Human Capital in the New Economy, through the Stillman School of Business and planned a March 2002 conference on contingent work and work-life issues for employers. Public education and advocacy is accomplished through public speaking, serving on statewide taskforces, our Web site and interviews with *Business Week*, *The New York Times*, *The Wall Street Journal*, *The Washington Post*, *The Record* and *The Star-Ledger*. For more information visit the Web site at academic.shu.edu/ccs/work or contact the office in Kozlowski Hall, Room 533, at (973) 313-6103.

The International Institute for Clergy Formation

Monsignor Andrew Cusack, Ph.D., Director

The International Institute for Clergy Formation of Seton Hall University is the only formation center for priests in the world. The off-campus site of the five-week Summer Institute is San Alfonso Retreat Center, West End, New Jersey. In addition, there are off-campus, one-week winter institutes at Our Lady of Florida Spiritual Center, North Palm Beach, Florida, and the University of San Diego, both in January.

The mission of the Institute is "to provide for the individual Catholic priest a graduate university teaching and learning environment that addresses his body, soul and spirit, as well as his unique vocation in a way that leads him to a clearer perception and fuller/richer experience of the essential ministerial significance that is his by virtue of his ordination, so as to support his ongoing formation as a person and his sacred mission as a shepherd." The implementation of the objectives and/or goal of this statement follows Pope John Paul II's document "Pastores dabo Vobis: I Will Send You Shepherds."

The Institute has been in existence for 13 years, and more than 5,000 priests have attended all or part of the summer and winter institutes. Foundation money assists the institute in financing the best possible international faculty; scholarships awarded to priests, especially those of developing nations; research efforts to guide the implementations of the Vision Statement; and lowering tuition costs to reach as many priests as possible. Visit the Web site at clergy.shu.edu

The Seton Hall University Museum

The Seton Hall University Museum, founded in 1960, serves as an exhibition area and repository for archaeological specimens and objects of art. Included in its collections are tools, weapons and domestic implements from North and South America, Europe, Africa and the Middle East, some dating from as early as one million years ago. The museum is renowned for its collection of Indian artifacts and pottery from New Jersey. Other Indian tribes are represented by examples of clothing, beadwork, blankets, and cultural and ceremonial items. The University Museum maintains a fine archaeological reference library as well.

The New Jersey Center for Civic and Law-Related Education

Arlene Gardner, Esq., Executive Director

The New Jersey Center for Civic and Law-Related Education (NJCLRE) is part of the College of Education and Human Services. Created in 1990, NJCLRE's primary mission is to provide continuing education programs for K-12 teachers. This includes one-day conferences, traditional courses and week-long summer institutes. In addition, NJCLRE offers in-service and professional development programs for schools, Youth Summits and other programs directly for K-12 students, training for teachers at juvenile justice facilities, programs for juvenile offenders, curriculum development and technical assistance and a biannual statewide newsletter.

Law-related education is a combination of substance and strategy for teachers and students aimed at developing an understanding and appreciation of the role of law in history, society and everyday lives. NJCLRE programs focus on practical law, the Bill of Rights, the New Jersey courts and constitution, controversial issues, conflict resolution, prejudice reduction, violence prevention and law and literature. The programs bring together teachers; counse-

lors and administrators from public and private schools; law enforcement officers; attorneys; law students; probation officers; and other members of the educational, legal, law enforcement and juvenile justice communities.

NJCLRE is part of a national training and dissemination network. Its programs are supported by grants, contracts and registration fees.

Center for Public Service Graduate Department of Public and Healthcare Administration

Naomi Wish, Ph.D., Director

The Center for Public Service and its associated Graduate Department of Public and Healthcare Administration houses two graduate degree programs — a Master of Public Administration (M.P.A.) and a Master of Healthcare Administration (M.H.A.). The Center coordinates interdisciplinary research and outreach to the public (e.g., government) and nonprofit sectors, as well as health-related agencies such as medical centers. Please visit the Web page at artsci.shu.edu/cps

The M.P.A. program is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA). It offers four concentrations: Health Policy and Management; Public Service: Leadership, Governance and Policy; Nonprofit Organization Management; and Arts Administration. All concentrations stress the development of managerial and analytic skills, in addition to ethical and professional values.

The M.H.A. program, designed for professionals who wish to advance in their management careers or for individuals interested in careers in healthcare administration, prepares students to assume leadership positions in a variety of healthcare settings. The curriculum focuses on the competencies and skills needed to succeed in responsible healthcare managerial positions. Both on-campus and Internet-based online programs are offered.

The Graduate Department of Public and Healthcare Administration also offers graduate certificate programs in healthcare administration, nonprofit organization management and arts administration. These programs are geared to meet the continuing education and professional development needs of managers and administrators in these fields. For qualified students, courses in these programs may be applied toward the M.P.A. or M.H.A. degree.

Classes are scheduled to accommodate working professionals, with classes being offered in late afternoons and evenings, as well as on alternate Saturdays and online. A rolling-admissions policy allows students to apply at any time during the year.

For detailed information regarding academic programs offered by the Center for Public Service, see the Center for Public Service in the College of Arts and Sciences section of this catalogue.

The Writing Center

Kelly Shea, Ph.D., Director

The Writing Center serves as a support system for all students through the Department of English. It provides a range of services, including free consultations and tutorials, to both undergraduate and graduate students. Located in Fahy Hall, Room 251, the Center is open during the academic year Monday through Thursday, 9 a.m. - 8 p.m., and Friday, 9 a.m. - 4 p.m. For details and Summer Session hours, call (973) 761-9000 ext. 7501 or ext. 2183.

In addition to the onsite Writing Center, Seton Hall's Online Writing Lab (OWL) also is available. This service is a Web-based, virtual tutoring program, designed primarily for upper-class and graduate students as well as faculty and staff, through which individuals can get feedback on their writing from Writing Center tutors via the Web and electronic mail. As with the onsite Writing Center, the OWL is designed for writers from all academic disciplines and departments. OWL tutors are trained to provide advice, feedback and suggestions on how writers might improve their writing, focusing especially on content, organization, structure and flow, as well as some mechanics. The Web address for the OWL is academic.shu.edu/owl

The Alumni Association

The Office of Alumni Relations, with a constituency of more than 67,000 alumni, serves as a resource for all Seton Hall University alumni. The Alumni Association comprises nine constituent boards: the College of Arts and Sciences, Stillman School of Business, College of Education and Human Services, College of Nursing, School of Law, Immaculate Conception Seminary School of Theology, African-American Alumni Council, Young Alumni and the Golden Pirates.

The association's board of directors is composed of six elected representatives from each constituent group. The executive committee has a president, president-elect, five vice presidents, a treasurer and a secretary. The board is responsible for the development of all activities involving University alumni.

The objectives of the association are to communicate the mission ideals of Seton Hall University by establishing a dialogue and environment that encourages Seton Hall alumni to be proud proponents and competitive supporters of their alma mater and fellow alumni. Committees that assist in carrying out these objectives are: Board Retention and Recruitment, Annual Fund, SHARP, Career Center and the Activities Board.

Membership is open to anyone who has received a degree from Seton Hall University or who has been a student in good standing for a period of one academic year, but has withdrawn under honorable conditions. All members are entitled to vote and hold office in the constituent association to which they belong.

The association, through the Office of Alumni Relations, is overseen by personnel within the Division of University Affairs. The Office of Alumni Relations publishes a newsletter, *The Network*, which contains updates on campus activities, feature stories about alumni and news from the various schools, alumni chapters and associations.

For more information on the Alumni Association and alumni activities, call (973) 378-9822 or 1-800-992-GRAD. Write to the Office of Alumni Relations, Seton Hall University, George M. Ring Building, 457 Centre Street, South Orange, NJ 07079-2691, or visit the Web site at alumni.shu.edu

Cultural and Community Programs

Seton Hall University hosts many cultural programs that are open to the general public as well as the University community. They are:

Theatre-in-the-Round

Peter Reader, M.F.A., Designer

The Seton Hall University Theatre-in-the-Round program runs throughout the year and consists of three schedules of productions. Four shows are presented during the school year, September to May. The actors in these shows are primarily students directed by a faculty member. Shows vary from classical to modern. The program strives to give students a practical and historical approach to the dramatic arts. All students are eligible to audition.

The second schedule is that of the Celtic Theatre Company (CTC), which presents plays on Irish themes. CTC is a repertory company in residence at Seton Hall.

The Summer Theatre-in-the-Round is a semi-professional program committed to a lighter fare of entertainment. The season usually starts during the last week of June, with a musical, followed by a comedy, and ends with a mystery in the second week of August. The acting staff for the summer productions includes professional, community and student talent. The Summer Theatre-in-the-Round offers Seton Hall students a taste of competitive commercial theater. For more information, call (973) 761-9000 ext. 5345, or visit arts.shu.edu/theater



Poetry-in-the-Round

David Stevens, Ph.D., Director

Widely regarded as one of the best reading series in the nation, Poetry-in-the-Round invites the world's most compelling and celebrated writers to Seton Hall each year to read and discuss their works with students and community members. Among the many poets, novelists and critics who have come to Seton Hall are George Plimpton, Frank McCourt, John Updike, Arthur Miller, Ted Hughes, Jorie Graham, Nadine Gordimer, Derek Walcott and James Merrill. For more information about the series, call (973) 761-9388, or visit the Web site at artsci.shu.edu/poetry

The International Chamber Music Festival Series

Professor Emeritus Julius Zsako, Ph.D., Director

For more than 18 years, Seton Hall's Arts Council has sponsored the International Chamber Music Concert Series, presenting more than 300 compositions of more than 100 composers performed by soloists and large and small ensembles from 25 countries around the world.

Students and guests from the community at large have enjoyed the opportunity to hear and meet world-renowned soloists such as Jorge Bolet, Leonard Pennario, Rudolph Firkusny, Bella Davidovich, Ilana Vered, John O'Connor and Ruth Laredo, pianists; Ransom Wilson, flutist; Ruggiero Ricci, Jaime Laredo and Robert McDuffie, violinists; Kim Kashkashian, violist; Janos Starker and Nina Kotova, cellists; the Romeros, Sharon Isbin and Brazilian Guitar Quartet, guitarists; Fusako Yoshido, koto player; and many others.

All events are free to students with valid I.D. To receive information about the series, call (973) 275-2750.

Archbishop Peter L. Gerety Lecture Series

Monsignor Robert Wister, Hist.Eccl.D., Director

Through a grant received from Archbishop Emeritus Peter L. Gerety, the School of Theology sponsors a lecture series in Church history, broadly defined. These lectures (usually one per semester) are given by prominent figures from the fields of education, Church, public service and journalism. They address issues of contemporary interest with some attention to the historical roots of these issues.

Information about the Archbishop Peter L. Gerety Lecture Series may be obtained by calling the School of Theology, (973) 761-9575.

Monsignor John M. Oesterreicher Lecture

Reverend Lawrence Frizzell, D.Phil., Director

The John M. Oesterreicher Endowment funds an annual lecture in memory of Monsignor Oesterreicher, founder of the Institute of Judaeo-Christian Studies at Seton Hall University.

Additionally, a series of conferences and workshops sponsored by the Institute deal with current and historical perspectives in the relationship between Christians and Jews. These programs are open to the public.

More information may be obtained by calling the Institute of Judaeo-Christian Studies at (973) 761-9751.

The Multicultural Program Film Series and Lecture Series

Larry A. Greene, Ph.D., Director

The Multicultural Program, in addition to its academic courses, offers a film and lecture series open to the general public as well as the Seton Hall community. Both the film and lecture series explore diversity issues related to ethnicity, race, religion, class and gender. Feature films, domestic and foreign, and riveting documentaries give the film series a focus and a universal perspective. The film series has lively discussions following each viewing led by an expert guest host. The lecture series has brought to the campus well-known scholars such as two-time Pulitzer Prize-winning historian David Levering Lewis, Andrew Hacker and Deborah White, as well as prominent film directors/producers Frederick Marx, William Miles and Peter Miller.

Through films, lectures and conferences, the Multicultural Program has sought to bridge the racial, religious, class and gender fault lines of the national and global divide through the promotion of increased understanding of our similarities and appreciation of our differences. Church and community groups are welcome, free. For information, call (973) 275-2768 or 761-9385.

Enrollment Services



Bayley Hall
1-800-THE-HALL (843-4255)
(973) 761-9332
admissions.shu.edu

Admission

Classification of Graduate Students

Call or write directly to the graduate department for an application. Graduate offices may be reached via the University switchboard at (973) 761-9000.

Degree students

Students who have been accepted as candidates for a graduate degree.

Nonmatriculated Graduate students

Students who usually fall into one of the following categories:

- those who are pursuing courses outside of a degree program for continuing education purposes;
- those enrolled in nondegree certificate programs or licensing programs; and
- those intending to make formal application to a degree program after preliminary coursework (12-credit limit). Only those with graduate degrees are eligible to register for School of Business classes on a nonmatriculated basis.

Full-Time Graduate Students

Those registered for 9 credits or more.

Part-Time Graduate Students

Those registered for fewer than 9 credits.

Graduate Auditors

Those who are enrolled in specific courses taken on a noncredit basis. Students may be admitted to auditor status by proving to the department chair that they can profit from class discussion and/or by filing an audit declaration.

Qualifications for Admission

Among the criteria applied in determining eligibility for admission to graduate studies are a satisfactory undergraduate scholastic average in appropriate coursework from an accredited college or university; satisfactory scores on any entrance examinations required by the department; and interviews, appropriate references and any other assessment procedures when requested. Graduate students must meet the course and credit requirements of the department in which they intend to study.

No documents submitted as part of the application procedure will be returned, nor will any requests to duplicate documents be honored.

Applicants whose files become complete after specified deadline dates may be considered for admission in the following semester. The credentials of applicants whose files remain incomplete after specified deadline dates will be retained for a period of two years. In the School of Business, there is a one-year period of retention. These applicants must notify the appropriate office in writing should they desire to continue the application process.

The completed application and all necessary documentation must be submitted and ready for review by the following dates:

College of Arts and Sciences

July 1	Fall Semester
November 1	Spring Semester
May 1	Summer Session
Rolling Admission	Public and Corporate Communication Master of Public Administration Master of Healthcare Administration M.A./M.P.A. with School of Diplomacy and International Relations

Stillman School of Business

Rolling Admissions (see School of Business section)

College of Education and Human Services

Department of Education Leadership, Management and Policy

Rolling Admission - M.A. in Human Resources Training and Development - Corporate, M.A./Ed.S. in Administration and Supervision/K-12, M.A./Ed.S. in New Jersey State Police Law Enforcement

January 15 - Fall Semester for Counseling Psychology (Ph.D.) and Clinical Psychology (Ph.D.)

February 1 - Fall Semester for Education Leadership, Management and Policy

(Ed.D.) and Higher Education Administration (Ph.D., Ed.D.)

February 15 - Fall Semester for Marriage and Family (Ph.D.)

October 1 - Spring Semester for Education Leadership, Management and Policy

(Ed.D.) and Higher Education Administration (Ph.D., Ed.D.)

December 1 - Spring Semester for Executive (Ed.D.)

K-12 (Accelerated Program)

School of Diplomacy and International Relations

Rolling Admission - Students may begin the program in August, January or May

School of Graduate Medical Education

Rolling Admission - (M.S. in Health Sciences)

Contact School of Graduate Medical Education (973) 761-7145

(M.S. Physician Assistant and Occupational Therapy)

College of Nursing

Rolling Admissions

(No Summer Session admissions)

School of Theology

August 1 - Fall Semester

December 15 - Spring Semester

Rolling Admissions - Summer Session

Advanced Standing (Transfer Students)

Graduate credits earned recently in another accredited college or university, and not applied toward a prior degree, may be accepted in partial satisfaction of graduate degree credit requirements at Seton Hall. The courses taken should be similar to required or elective courses approved for the curriculum concerned. The grades earned must not be lower than a "B." In general, a total of 6 credits may be approved for master's degree programs and 30 credits for the doctoral program. Graduate students applying for transfer of credit should contact their adviser in the appropriate college/school, requesting advanced standing on the basis of official transcripts.

Once enrolled, students may not register for graduate course work at another institution without prior written permission of the department chair or program director. Some departments will not authorize any transfer credits or may impose restrictions. Students should consult their adviser prior to any registration at another institution.

Admission Information

Students are expected to acquaint themselves with all procedures and requirements applying to graduate studies, as well as with specific requirements of the college and department in which they intend to study. Graduate admissions materials are available through the following areas:

General Graduate Information

Graduate Program Information

School/Program	Graduate Coordinator	Phone
Business	Lorrie A. Dougherty Director	(973) 761-9220
Diplomacy	David Giovannella, M.A. Director	(973) 313-6138
Education	Reverend Kevin Hanbury, Ed.D., Associate Dean	(973) 275-2854
• Education Leadership, Management and Policy	Charles Mitchel, Ed.D. Chair	(973) 761-9397
• Educational Studies	William McCartan, Ed.D. Chair	(973) 761-9394

- Professional Psychology and Family Therapy
John E. Smith, Ed.D. (973) 761-9449
Chair
- Nursing** Mary Jo Bugel, M.A., R.N. (973) 761-9285
Director of Recruitment
- Arts and Sciences**
- Application Information
Dean's Office (973) 761-9430
College of Arts and Sciences
- Asian Studies
(Chinese, Japanese, Asian Area Studies,
East Asian, Bilingual/Bicultural Education)
Winston Yang, Ph.D. (973) 761-9469
Chair
- Biology, Microbiology
Eliot Krause, Ph.D. (973) 761-9532
Graduate Adviser
- Chemistry
Nicholas Snow, Ph.D. (973) 761-9035
Associate Chair
- Corporate and Public Communication
Patricia Kuchon, Ph.D. (973) 761-9490
- English
Angela Weisl, Ph.D. (973) 761-9000
Graduate Adviser ext. 5868
- Jewish-Christian Studies
Rabbi Asher Finkel, Ph.D. (973) 275-2177
Chair
- Museum Studies
Barbara Cate, M.A. (973) 761-7966
Director
- Public and Healthcare Administration
Miriam Lyons Frowl, M.P.A. (973) 761-9510
Director of Student Services
- Graduate Medical Education**
- Health Science
Genevieve Pinto-Zipp, Ed.D. (973) 761-7145
- Physician Assistant
Brian Shulman, Ph.D. (973) 761-7145
- Occupational Therapy
Elizabeth Lannigan, OTR, C.U.E. (973) 761-7145
- Theology**
Reverend C. Anthony Ziccardi, S.S.L.
Associate Dean (973) 761-9575

Application Procedures

Degree graduate students

Students applying for admission to graduate courses leading to a degree must submit the following items according to the directions received with the application packet:

- completed application form and application fee;
- official transcripts of all academic work completed beyond high school;
- statement of Professional Goals (not required of applicants to the School of Business);
- letters of reference (varies according to program).

Test scores:

College of Arts and Sciences

Graduate Record Exam (GRE)*

Stillman School of Business

Graduate Management Admission Test (GMAT)

College of Education and Human Services**

Miller Analogies Test (MAT)

School of Graduate Medical Education

Graduate Record Exam (GRE) or

Miller Analogies Test (MAT)

College of Nursing

Miller Analogies Test (MAT) or

Graduate Record Exam (GRE)

School of Theology

Graduate Record Exam (GRE) or

Miller Analogies Test (MAT)

Note: Applicants are advised to check with specific graduate program departments to verify the materials required for their application packet.

**Some programs accept MAT, GRE, GMAT or LSAT scores.*

***The College of Education and Human Services additionally requires a resume of professional background for those applying to the doctoral program. Some programs accept GRE scores.*

Nonmatriculated Graduate Students

To enroll for graduate courses on a nonmatriculated basis, the students must complete an "Application for Nonmatriculated Graduate Students" at the time of their initial registration.

Evidence of receipt of an undergraduate degree must be submitted to the office at that time. The maximum number of credits nonmatriculated students may earn before matriculation is 12.

The Stillman School of Business does not allow students to enroll on a nonmatriculated basis unless they possess an M.B.A. or M.S. degree in taxation, have permission to transfer to another M.B.A. program or are enrolled in a post-master's certificate program.

International Graduate Student Applications

Seton Hall welcomes applications from international students for admission into full-time graduate degree programs. The international student adviser assists international students in becoming active members of the University and surrounding community. The Office of International Programs, located in Presidents Hall, offers a variety of services and social/cultural activities for this purpose. It also organizes student exchange programs and study tours. More information is available from the Office of International Programs, (973) 761-9072, or visit the Web site at www.shu.edu/intl.html

International Admission Requirements:

- completed application form and application fee;
- original transcript of academic credentials. All credentials in languages other than English must be accompanied by certified English translations;
- scores attained on the Test of English as a Foreign Language (TOEFL) given by the Education Testing Service, Princeton, New Jersey, (609) 921-9000; and scores attained on the appropriate entrance examination required by the department; and
- letters of reference (varies according to program).

Visas

Seton Hall University is permitted by the U.S. Immigration and Naturalization Service to admit nonimmigrant students. Upon admission to a degree program, prospective graduate students are issued an immigration form by the University permitting them to enter the country. Upon entry, the student is issued an I-20 A/B, which must be current at all times. The international graduate student must pursue a full-time course of study (nine or more semester hours) to remain in status, except during the summer.

Before an immigration form is issued, the following must be submitted to the University:

- Declaration and Certification of Finances form, with supporting documentation;
- Request for Certificate of Eligibility (Form I-20); and
- Certification of enrollment in an approved health and accident insurance program. Graduate students who do not hold this required insurance must enroll in a University-sponsored insurance program upon registration for classes. Students must maintain insurance coverage throughout their studies.

International graduate students desiring further information about courses of study should contact the Office of International Programs at (973) 761-9072. The address of this office is: Presidents Hall, Seton Hall University, 400 South Orange Avenue, South Orange, NJ 07079, or access the University's home page at www.shu.edu

The following deadlines apply to international applicants:

July 1	Fall Semester
November 1	Spring Semester
May 1	Summer Session
Rolling Admission	Public and Corporate Communication, Master of Public Administration Master of Healthcare Administration M.A./M.P.A. with School of Diplomacy and International Relations

No documents submitted as part of the application process will be returned nor will any requests to duplicate documents be honored.

F-1 Visa students accepted by other institutions are eligible to transfer after they successfully have completed at least one semester of full-time academic work at that institution, demonstrated sufficient proficiency in English and submitted adequate evidence of financial support.

Acceptance

After the application has been processed, and if the qualifications are satisfactory, graduate students will receive a letter of acceptance from the graduate office of the appropriate college/school. Students who are unable to attend during the term for which they are accepted, must advise the department. Students may request in writing a deferment of their acceptance until the next semester.

Deferment of Application

If applicants for admission to a graduate program finds it impossible to submit all required documentation by the application deadline, they may request a deferment to the next semester. This request for deferments must be submitted in writing. In no case may applicant defer an application after receiving an unfavorable admission decision.

Duplicate Degrees

Students who have earned a graduate degree at Seton Hall may be accepted to another program with a different major that culminates in the same degree provided that the content of the program is significantly different. In this case, the dean determines the number and distribution of credits required in the second degree.

Financial Aid University Graduate Assistant Program

The University offers a limited number of graduate assistantships (by separate application only) (teaching, research and administrative) each year for full-time, matriculated graduate students.

Each assistantship is usually for one academic year, carries a stipend for nine or 10 months (September through May or June) and includes tuition remission for a maximum of 12 credits per semester (except for law students, for whom the maximum is 9 credits). Assistantships are renewable for the next year upon the recommendation of the hiring department.

Applicants generally spend 20 hours per week doing directed, quasi-professional work or teaching. Job descriptions outlining specific responsibilities are on file in the Office of Graduate Studies Support Services.

Applicants for graduate assistantships must show evidence of formal University acceptance into a graduate degree program as part of their application. Applications and information are available in the Office of Graduate Studies Support Services.

Please note: Applicants for teaching assistantships in biology, chemistry and English also must contact those departments.

Residence Hall Graduate Assistantships

Several assistantships are available to graduate students in University residence halls. Information on these positions and application procedures are available from the Department of Housing and Residence Life, 64 Duffy Hall. Applications must be submitted by March 1.

International Students

Financial aid for international students is extremely limited. Citizenship and residency requirements eliminate all foreign students from the federal assistance programs in which the University participates. International students who qualify for admission to the University must seek financial assistance through agencies in their own country rather than attempting to base an education at Seton Hall on scholarship awards or other aid from the University.

*“Action will
remove the doubt
that theory cannot
solve.”*

TEHYI HSIEH

Minority Graduate Access Program

Graduate Educational Opportunity Fund (EOF) grants are available to eligible students in the amount of \$2,500. Students must be full-time, matriculated students and must document financial eligibility as determined by the students' gross income.

Although priority in awarding the EOF graduate grant is given to those who received undergraduate grants, those who did not also are considered but must demonstrate historical poverty.

Applicants must complete and submit the Data Sheet for Graduate and Law School Students to the coordinator of Enrollment Services, located in the Educational Opportunity Office on the South Orange campus. In addition, applicants must complete the Free Application for Federal Student Aid (FAFSA).

Federal Assistance Programs

Various departments and agencies of the federal government offer programs of aid for graduate students. These include fellowships, traineeships, summer traineeships or loans. Students interested in these programs are requested to contact the department in which they intend to study.

Veterans Benefits

Educational benefits may be available to eligible veterans and children or spouses of deceased or permanently disabled veterans. Details of the program are available from any Veterans Administration Office or Seton Hall University's Enrollment Services Office.

Federal Direct Stafford/Ford Loans

Seton Hall participates in the Federal Stafford Student Loan Program. Loan proceeds are delivered to the student directly through the University and repaid to the loan servicer.

Enrollment Services processes applications for the Stafford Loan, both subsidized and unsubsidized. A promissory note must be signed before the loan proceeds will be credited to a student's account.

Applicants must enroll at least half-time and complete the Free Application for Federal Student Aid (FAFSA) to determine financial need for the loan. In completing the FAFSA, be sure to include Seton Hall's Title IV School Code: 002632. Students who do not qualify for the subsidized Stafford Loan may receive an unsubsidized loan. Loan limits are \$18,500 per year for the Stafford subsidized and unsubsidized combined.

More information about these loan programs may be obtained from Enrollment Services.

Student Eligibility

In order for students to receive financial aid they must meet certain eligibility requirements listed below:

- have financial need as determined by the FAFSA;
- be a high school graduate;
- be enrolled at least half-time at Seton Hall in a degree granting program;
- be a U.S. citizen or eligible noncitizen;

- be making satisfactory academic progress toward a degree (the following section provides details);
- not be in default of a federal loan or owe a repayment of a federal grant;
- comply with the terms of the Anti-Drug Abuse Act;
- certify registration with selective service if required; and
- certify that information reported on the Student Aid Report (SAR) is accurate.

Requirements to Maintain Eligibility for Federal Aid

In addition to the requirements above, the Higher Education Amendments require colleges and universities to define and enforce standards of academic progress. Students receiving federal financial aid must conform to these requirements in order to be eligible for this financial assistance.

Satisfactory academic progress requirements at Seton Hall provide a maximum time frame for completion of a degree, a graduated credit accumulation over time, as well as a quality mechanism. These minimum standards require students to demonstrate that they are actively pursuing their degree.

Satisfactory Academic Progress Guidelines

General Considerations

- Federal Regulations (General Provision CRF 668.43) require the Seton Hall University Enrollment Services to review the academic progress of students who apply for and/or receive financial assistance. This regulation applies to each financial aid applicant whether a previous recipient or not.
- Annual Satisfactory Academic Progress evaluation cannot take place until final grades have been posted each year. Therefore, any financial assistance awarded prior to the annual academic evaluation is subject to cancellation if the minimum standards are not met.
- New transfer students will be considered for assistance for one academic year prior to the evaluation of Satisfactory Academic Progress. At the end of the first academic year of attendance at Seton Hall University, transfer students will be evaluated based on the standards for their designated academic level.
- Deficiency with the quantitative and qualitative Satisfactory Academic Progress Guidelines will result in the denial of financial assistance. Applicants denied financial assistance because of inadequate Satisfactory Academic Progress will be granted the option of appealing their aid denial. Appeals must be based on "special or unusual circumstances."

Financial Assistance Programs Affected

Federal Programs: • Pell Grant • Perkins Loan • Supplemental Educational Opportunity Grant • Work-Study • Paul Douglas/Byrd Teacher Scholarship • Stafford Loan • Parent Loan for Undergraduate Students
State Programs: • Tuition Assistance Grants • Distinguished Scholars • Urban Scholars
Institutional Programs: • University Scholarships

Academic Requirements

Grade Point Average

- Graduate students must maintain a cumulative GPA of 3.00, consistent with Seton Hall University standards;
- Students whose cumulative GPA does not meet the minimum requirements are automatically placed on probation for the current semester;

Number of Credits Completed – Full-Time

- Graduate students must complete a minimum of 75 percent of credit hours attempted for each academic year (i.e., Fall 2002; Spring 2003; Summer 2003) at Seton Hall University;
- Students attending the University a portion of an awarding year will be evaluated on that portion of the academic year;
- Students who leave the University for an awarding year will be evaluated on their most recent academic year or attendance at Seton Hall University.

Determination of Award Amounts

To be considered for federal or state financial aid, a student must complete the Free Application for Federal Student Aid (FAFSA). The federal government will then process the information and send it to the colleges indicated and to the appropriate state agencies. Students should make sure that Seton Hall University is listed on the FAFSA.

Student Loans: Rights and Responsibilities

Two types of federal student loans are available to assist in financing a student's education. They are the Federal Subsidized Stafford Loan and the Federal Unsubsidized Stafford Loan. Before incurring any loan, students should know the terms and conditions of the loan, as well as their rights and responsibilities as student borrowers.

A loan is money that is borrowed and paid back with interest. The specific sum of money borrowed is called the principal. Interest is a percentage of the principal that the student pays as a fee for borrowing. Students usually pay back the loan in monthly installments until the entire amount of the loan (principal and interest) is repaid. In some cases, students may postpone or defer payment of the loan, but a deferment must be approved by the loan servicer. If students fail to repay their loan (or defaults), the government may impose a penalty and may withhold money from paychecks and tax refunds. In addition, students will be ineligible to receive any future federal aid, and their credit ratings will be negatively affected. The exact terms and conditions of a student loan may be obtained in detail from the loan servicer.

While student loan programs differ in some ways, students' rights and responsibilities as a borrower are basically the same for all programs. These rights and responsibilities are explained during mandatory counseling sessions at Seton Hall. The first one takes place when students start school and is called an "entrance interview." The other session, the "exit interview," takes place when students graduate or withdraw from Seton Hall.

Rights

As borrowers, students have the right to be provided with clear and concise information about the terms and conditions of student loans. The following list describes students' rights regarding financial aid:

- students must receive a copy of the promissory note that legally binds them to repay the loan;
- students have the right to a "grace period" before the repayment period begins;
- students must be given a list of deferment conditions;
- students must be informed of the full amount of the loan, the interest rate and when repayment begins;
- students must be informed of the effect borrowing will have on eligibility for other aid;
- students must be aware of any charges to them by the federal government;
- students must know the maximum yearly and total loan amounts, as well as the maximum and minimum repayment periods;
- students must be informed of their expected total debt and what their monthly repayments will be;
- students must be aware what default is and its consequences;
- students must be informed of refinancing and consolidation options; and
- students must be notified if their loan is transferred to a different holder.

Responsibilities

- Students must notify the loan servicer if they graduate, withdraw from school or drop below half-time; transfer to another school; change their name, or address or social security number.
- Students must repay their loans in accordance with the repayment schedule given to them, even if they do not receive a bill or complete their education.
- Students must notify the loan servicer of anything that affects the ability to repay the loan or changes students' eligibility for deferment or cancellation.
- Student borrowers must attend both an entrance and an exit interview.

Estimated Federal Direct Stafford Loan Monthly Payments (8.0%)

Examples of Typical Beginning Payments for Direct Loan Repayment Plans¹

Monthly and Total Payments Under Different Repayment Plans

Total Debt	Standard ²		Extended		Graduated		Income Contingent ³			
							Single		Married/HOH ⁴	
	Per Month	Total Payment	Per Month	Total Payment	Per Month	Total Payment	Per Month	Total Payment	Per Month	Total Payment
\$2,500	\$50	\$3,074	\$50	\$3,074	\$25	\$4,029	\$23	4,462	\$22	\$4,514
5,000	61	7,359	55	7,893	35	8,655	46	8,925	44	9,028
7,500	92	11,039	82	11,839	53	12,982	69	13,387	66	13,541
10,000	123	14,718	97	17,463	70	19,085	92	17,850	88	27,083
15,000	184	22,078	146	26,194	105	28,628	137	26,775	131	27,083

¹ Note: Payments are calculated using the maximum interest rate of 8.25% for student borrowers.² Equal and fixed monthly payments (\$50 minimum).³ (income=\$25,000) Assumes a 5% annual growth (Census Bureau).

⁴ HOH is Head of Household. Assumes a family size of two.

Source: The Student Guide from the U.S. Department of Education 1998-1999.

Student Employment

There are certain requirements that students must meet and maintain to be considered for on-campus employment. A comprehensive explanation of the terms and conditions of employment is listed in the Seton Hall University Student Employment Handbook, available in Enrollment Services. Generally, students must be enrolled and matriculated at Seton Hall on a full-time basis (9 credits for graduate students), be making progress toward a degree as defined by the academic policy of the University and not be receiving other work grants, such as a graduate assistantship. Students also must be given an official work assignment before any work is performed.

Students eligible for a Federal Work Study Award must:

- file a FAFSA and demonstrate financial need;
- submit proof of citizenship and employment eligibility (I-9 Form); and
- give documentation of information provided on FAFSA if required.

Community Service Learning Program

Seton Hall participates in the Community Service Learning Program. Community service jobs are available to interested students. Information is available in Enrollment Services.

Disbursement of Financial Aid

Disbursement of financial aid is done in several different ways depending on the type of aid.

Student Employment

Student employment, whether federally or institutionally funded, is disbursed in a paycheck that goes directly to the student for the hours worked during a specific pay period. Students are paid once every two weeks.

Student Loans

Stafford loans (both subsidized and unsubsidized) are disbursed in two equal payments, and are applied to the student's account after the student signs a promissory note. Stafford loans cannot be applied to a student's account more than 10 days prior to the start of the loan period. First-time borrowers at Seton Hall must complete an entrance interview before loan proceeds will be credited to the student's account.

New Jersey Educational Opportunity Fund (EOF)

New Jersey EOF Grants are disbursed through a state-generated computer tape that feeds through the computer system at Seton Hall and updates each student's account with a credit for the specific award in which he or she is eligible. Tapes are received on a monthly basis.

Institutional Aid

Institutional and certain federal financial aid programs are disbursed through Seton Hall's mainframe computer system. Reports generated through the system identify students who meet all requirements for disbursement. Requirements include completion of verification if required, certifications on file, promissory note completion (Perkins and Federal Stafford Loans). If students meet the requirements, their account is updated from the financial aid records to the student accounts records with credit for each award for which the students are eligible. The disbursement program is run weekly for both the current term and any previous terms in which adjustments need to be made.

For more information about financial aid, contact Enrollment Services at (973) 761-9332.

Repayment Policy

Students receiving federal financial aid, who completely terminate enrollment or stop attending all classes during a term for which payment has been received before completing more than 60 percent of the enrollment period, are subject to specific federal regulations.

The amount of Title IV aid that a student must repay is determined via the Federal Formula for Return of Title IV funds as specified in Section 484B of the Higher Education Act. This law also specified the order of return of the Title IV funds to the programs from which they were awarded.

A repayment may be required when cash has been disbursed to a student from financial aid funds in excess of the amount of aid the student earned during the term. The amount of Title IV aid is determined by multiplying the total Title IV aid (other than FWS) for which the student qualified by the percentage of time during the term that the student was enrolled. If less aid was disbursed than was earned, the student may receive a late disbursement for the difference. If more aid was disbursed than was earned, the amount of Title IV aid that must be returned (i.e., that was unearned) is determined by subtracting the earned amount from the amount actually disbursed.

The responsibility for returning unearned aid is allocated between the University and the student according to the portion of disbursed aid that could have been used to cover University charges and the portion that could have been disbursed directly to the student once University charges were covered. Seton Hall University will distribute the unearned aid back to the Title IV programs as specified by law. The student will be billed for the amount the student owes to the Title IV Programs and any amount due to the University resulting from the return of Title IV funds used to cover University charges.

Tuition and Fees

The tuition and fees listed are in effect as of the date of publication of this catalogue and are for the 2002-03 academic year. The University reserves the right to make whatever changes are deemed necessary by the Board of Regents before the beginning of any semester.

* Per graduate credit (nonbusiness)	\$649
Per graduate credit (business)	\$698
Application fee for admission to degree programs	\$50
** University fee per semester (part-time) \$85; (full-time)	\$105
Summer	\$45
Student teaching placement fee	\$100
Thesis binding fee	\$25
Returned Check Fee	\$35
*** Late Payment Fee (maximum)	\$250
Transcripts (free for first five copies) then	\$3
Recreation Center fee (per semester; optional)	\$100
Technology Fee Full Time (not in program)	\$200
Technology Fee Part Time	\$100

* Priests, brothers and sisters of the Roman Catholic Church are eligible for a 50% religious reduction in the above graduate tuition rates. Full-time teachers and professional administrators in New Jersey Catholic elementary and secondary schools are eligible for a 50% reduction in the above graduate tuition rates. Application must be made to Enrollment Services prior to registration accompanied by verification of eligibility. Enrollment Services will provide written guidelines upon request. Senior citizens also receive a discount on a space-available basis and are asked to present proof of age (65 or older) each semester. Tuition waiver forms are available from Enrollment Services, Bayley Hall, at the time of registration.

** This charge covers a part of the cost of items, such as registration, course counseling, library, computing facilities, placement bureau, Student Center, student activities, vocational guidance and laboratory fees.

*** This fee applies to any semester bill remaining unpaid after the last day of the registration period. The fee is not assessed for students who have arranged in advance for deferred payments.

Estimates of Non-Tuition Costs

Books and Supplies	\$ 700
On-Campus Room and Board, per year (subject to space availability)	\$ 8,400
Other Indirect Costs (resident)	\$ 650
Transportation (nonresident)	\$ 1,000

User Fee Policy

In recognition of the higher costs associated with certain instructional services provided by the University, special course fees may be established and assessed to students enrolled in such courses. Fees may be established only with appropriate prior approvals.

Payment

Tuition and fees are payable in full on the payment date specified on the bill. Full details regarding payment policy are sent with each bill. Students may opt to pay their bills using Visa, MasterCard, American Express or Debit Card.

No students will be allowed to register or attend classes for a subsequent semester with an unpaid balance from the preceding semester. In no case will students receive a degree, diploma, certificate of degree or transcript of credits until all charges have been paid in full.

Deferred Payment Plans

Seton Hall University works with Academic Management Services (AMS) to provide students and their families with no-interest payment plans. A nominal fee is charged by AMS. Please contact AMS at 1-800-635-0120 or www.tuitionpay.com for more information.

Late Fees and Collection Costs

Any amounts unpaid after the bill's due date are subject to late fees. The late fee is \$250 each semester. Students are responsible for collection costs.

Withdrawal from the University

By registering for classes, a student has entered a legal and binding contract to pay all tuition, fees and housing charges with Seton Hall University. Non-attendance of classes does not constitute an automatic withdrawal. A formal withdrawal application must be submitted and approved through Enrollment Services in a timely manner.

Returned Check Policy

If a bill is paid by personal check in order to pre-register and the check is returned for insufficient funds, the student will be dropped from all classes. The student will not be allowed to re-register for classes until after the account is settled. A registration hold will be placed on the student's record until the balance is resolved through an alternate payment. Alternate payment options are credit card (MasterCard, Visa, American Express or Debit Card), cash, money order or cashier/bank check. Future personal check payments will be held until funds have cleared through the student's bank. Students who abuse check payments may be barred from paying by personal check in the future. A returned check fee of \$35 will be charged.

Withdrawal from the University

General University policy for refund/credit of tuition and refundable fees for registered students who wish to withdraw from the University is based on prorated charges keyed to the date of actual withdrawal:

1 week	80%
2 weeks	60%
3 weeks	40%
4 weeks	20%
more than 4 weeks	none

Adjustments will be made only if the official withdrawal forms are properly filled by the student and processed by the University.

During Summer Session, no refunds are made after the second class, and no prorated refund/credit for withdrawal is granted.

If a student is dismissed or withdraws because of prolonged illness, the account will be rendered strictly according to the percentage ratio of the total number of days elapsed during the student's

attendance to the total calendar days of the semester. A "prolonged illness" is one that must be attested to by a doctor's certificate to the effect that the illness is or was of such a nature as to require the student's absence for a period of three consecutive weeks.

If a student has made only partial payment of tuition and fees and the prorated charges exceed the partial payment, the additional amount is due and payable at the time of withdrawal. Students will not receive clearance from the University until all financial obligations have been met.

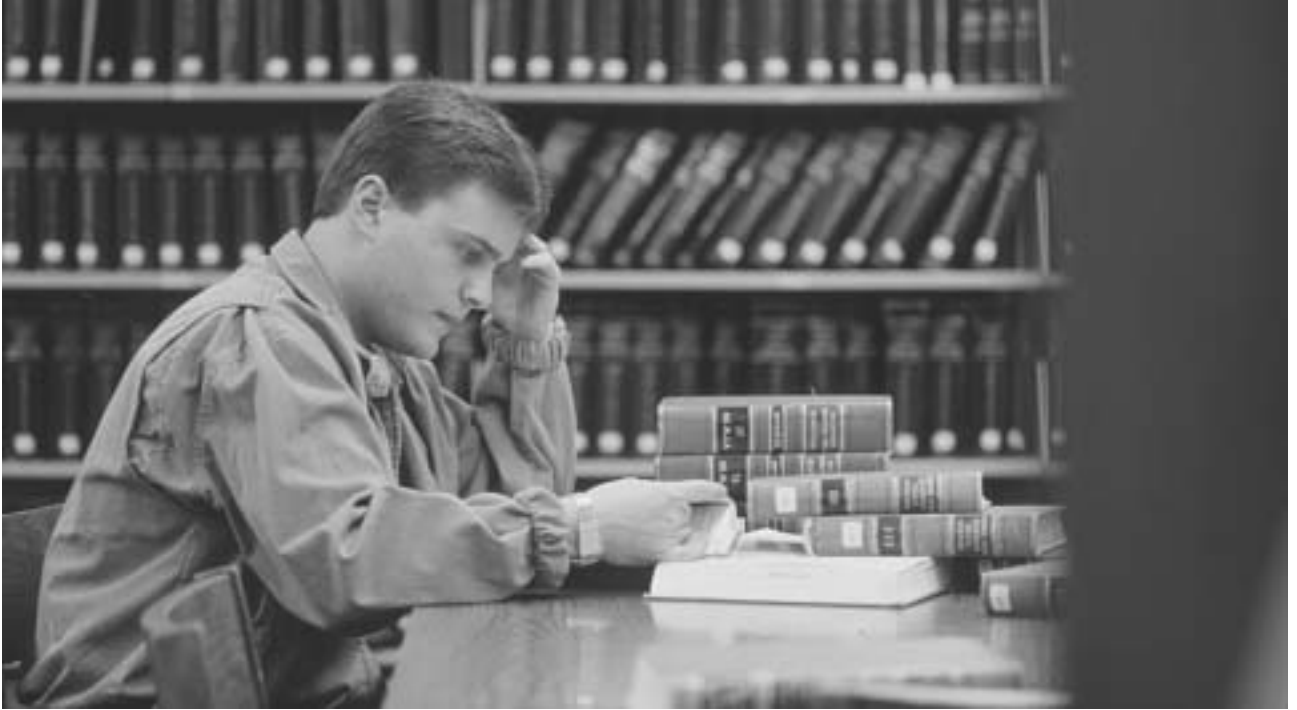
Any refund that is necessary as a result of withdrawal from the University will be made only by mail.

Charges for Course Changes

The payment of additional tuition incurred by a student as a result of a change in program is due on the due date specified on the bill.

Courses may be dropped without financial penalty through the second Friday of the Fall and Spring semesters. Any tuition charges for courses officially dropped during this period will be adjusted in full. Any credit that appears on the student's financial account as a result of a dropped course may be applied toward charges for a subsequent semester or, if requested in writing, will be refunded to the student. No financial adjustment will be made for courses dropped after the change in program period. (See the Academic Policies and Procedures section of this catalogue for additional information.)

Academic Policies and Procedures



Degree Requirements

To qualify for a graduate degree, students must fulfill all course, examination and other requirements prescribed by the department. Only graduate coursework may be applied to a graduate degree. In rare instances, an upper-level undergraduate course may be counted toward a graduate degree on the recommendation of the department chair and dean. Degree candidacy must be established in keeping with departmental and school standards.

Advanced degrees are not awarded automatically upon completion of a required number of courses or credit. Such degrees are awarded for demonstrated achievement in scholarship. A GPA of 3.0 is required for graduate degree eligibility.

Student Educational Records: Access and Privacy

The University provides all present and former students with the right of access to inspect and review by appointment any and all educational records, files and data that relates directly to them. Students also are afforded the opportunity to challenge these records.

All educational records are considered confidential. Their release is regulated by University policy in keeping with the provisions of Public Law 93-380, Family Educational Rights and Privacy Act of 1974, as amended. The University policy is fully detailed in the Student Handbook available at studentaffairs.shu.edu

Students who wish to inspect information or records may do so by requesting a Right of Access form from the office or department in which a specific record is kept and filing it with that office. Right of Access forms also are available from Enrollment Services. Within 10 days of receipt of the Right of Access form, the office or department will notify the student about the date, time and location the record will be available for inspection.

Enrollment Services answers all questions relating to right of access.

Academic Integrity

All University programs require high standards of academic integrity. All forms of dishonesty whether by act or omission, including, but not limited to, cheating, plagiarism and knowingly furnishing false information to the University are prohibited and may elicit University sanctions of suspension or expulsion.

Class Attendance

Attendance at each class meeting is expected of each student. Instructors may take class attendance into account when determining grades as long as a clear statement on attendance policy and its impact on grading is given to students at the start of the semester within the syllabus.

Change of Program

After admission to a graduate program in one department, students who wish to change to another program in the same department must file a Curriculum Adjustment Form. Forms may be obtained at the departmental office. Students who complete one graduate degree may not use the Curriculum Adjustment Form to enter another degree program; in this case, the student must file a new Application for Admission and forward all required documentation to the college's/school's Office of Graduate Admissions. Students accepted into a degree program in one college or department must file a new application for graduate study to qualify for admission to a different college. In all cases, applicants must satisfy all admission requirements before they qualify for admission.

Course Requirements

Students are expected to present themselves for examinations as scheduled and meet all other course obligations by the end of the semester in which the course is offered. All course requirements (examinations, papers, projects, etc.) must be completed by the dates announced in the University semester Registration Handbook.

If students are unable to complete the requirements for one or more courses during the regular term, the course load for subsequent terms may be reduced.

Comprehensive Examination

In addition to department certification that comprehensive command of the field has been established, the successful completion of a final comprehensive examination is a degree requirement in some programs. Examinations are scheduled during Fall and Spring semesters, and some programs also schedule examinations during Summer Session. Applications for the examination are obtained from the department and must be signed by the adviser and submitted by the dates specified by the department.

The candidate is entitled to one reexamination for which a new application must be submitted (see General Fees). A candidate also must maintain continuous registration at the University until the requirement has been fulfilled.

Specific school regulations concerning the examination are included in the appropriate sections of this catalogue.

Transfer Credit Policy for Active Graduate Students

Graduate students may not take graduate courses at any other institution without the prior written permission of their chair and dean and, in cases where the course involved is outside of the student's department, the chair of the course-equivalent department. Transfer policies may vary as to department/school. Some departments do not allow students to take courses at other institutions for transfer, while others impose restrictions. Students should contact their adviser about prevailing policies.

Authorization to study elsewhere is granted upon completion of an Application to Study at Another Institution, which is available in Enrollment Services. No credit for work completed at another school is granted unless the grade is "B" or higher and the course is at the graduate level. Grades for transferred courses are not used in computing the student's GPA. Students should

consult their department for any additional transfer regulations that may apply.

In general, a maximum of 6 credits may be transferred into master's and educational specialist programs.

Thesis

In those programs in which a thesis is required, degree candidates must submit an approved thesis prepared under the direction of a mentor at least three weeks before the end of the semester in which all requirements will be completed. Before conferral of the degree, a minimum of three copies (four for education) suitable for binding must be submitted to the appropriate department.

Continuity

Students enrolled in a degree program are required to register each Fall and Spring semester until all requirements for the degree are satisfied. Failure to register without being granted a leave of absence is interpreted as a resignation, and the processing of a Change of Status application available from Enrollment Services will be required before students may reenter the program.

Students who have completed all degree requirements except the thesis or supervised clinical hours (when required) will register for THCN 7999 Thesis Continuation (Master's) or THCN 8999 Thesis Continuation (Doctorate) as their first thesis continuation registration. Only fees are assessed for the first semester of thesis continuation. Thereafter, students will register for THCN 8000 Thesis Continuation (Master's) or THCN 9000 Thesis Continuation (Doctorate) each semester until the thesis or supervised clinical hours are approved. Thesis continuation and fees are assessed for THCN 8000/9000.

Students who have completed all degree requirements except the comprehensive examination or other required examination must register each Fall and Spring semester in "Continuation" (RGCN 8000) status until the necessary examinations are passed.

Students who have successfully defended their dissertation but are not eligible for their degree until the subsequent semester must register for RGCN 8000 for that semester. Similarly, students who are resolving incomplete grade requirements in order to qualify for their degree must register for RGCN 8000.

Please note: students must maintain continuous registration, including during the semester of graduation.

Leave of Absence

A student who is unable to attend the University during a regular semester because of illness, family emergency, extraordinary job requirements, military service or other factors may be granted a leave of absence without penalty. The student must submit a written request for a leave to Enrollment Services and to their program director.

Except in the case of military service, a leave of absence ordinarily will be limited to one year. Students who have been granted such leave must apply for reactivation by the following dates:

July 1	Fall Semester
December 1	Spring Semester
May 1	Summer Session

When a student has been officially granted a leave of absence, that period of authorized leave shall not be counted toward the degree time limit.

Time Limit for Master Degree Students

Generally, candidates for all master's and the Educational Specialist degree are expected to fulfill all requirements for the degree within six years (five years in the School of Business) after they have been formally accepted. Time extensions may be granted in unusual cases upon written application to a candidate's adviser. Students given an extension may have to repeat courses or enroll in new courses as stipulated by programs.

Doctoral degree time limits vary by program.

Application for Degree

At the beginning of the semester or Summer Session in which all requirements will be satisfied, students must file an Application for Graduate Degree in Enrollment Services.

Eligibility for Degree

Students must be formally accepted as candidates for a specific degree with a declared major in order to be eligible for that degree. Only when the department chair/program director officially advises Enrollment Services that all requirements have been satisfied will the student's record be updated to reflect the award of the graduate degree. A minimum GPA of 3.0 is required for degree eligibility.

Student Policy and Procedure

A handbook delineating policy and procedures for students is available online at studentaffairs.shu.edu

Registration

Registration for New Students

Students are expected to register for courses in the semester for which they have been accepted. Requests to defer an acceptance date must be made in writing directly to the graduate program director. The University will not retain applications and supporting documents of those who do not register within a two-year period.

Students are expected to register on the published registration date.

Graduate Adviser

Students admitted to graduate study are assigned an adviser from the department in which they are studying. The adviser will help determine the student's course load and assist in planning the program of study. The adviser must approve the students' program for each semester (as well as the total program) before they will be permitted to enroll for courses.

To prepare for preregistration for the coming semester, students will consult with their academic adviser, who will assist them in selecting an appropriate schedule of classes from the Registration Handbook. The Handbook is a compendium of important information for the semester. It includes the schedule of courses, the details of preregistration/registration procedures for the semester, the academic calendar, and information about academic regulations and procedures. All students are urged to familiarize

themselves with the Registration Handbook available in Enrollment Services and in departmental offices.

Registration on the Web is available for all students. Students are encouraged to use this convenient method of registration after consulting their adviser for course selection and to get their PIN. Students may also view the semester course schedule on the Web at www.shu.edu

Preregistration

Active students who plan to continue their studies in the following semester are required to preregister for courses. This affords continuing students first priority in course selection. Continuing students who do not preregister may be required to pay tuition and fees at the time of registration. Details regarding registration procedures appear in Seton Hall's Registration Handbook available in Enrollment Services and in departmental offices.

Generally, preregistration dates are scheduled during November for the Spring Semester and during late March/early April for the Fall Semester and Summer Session.

Academic and Financial Responsibility

The University reserves seats in classes for all students who preregister. The students incur both academic and financial responsibility for any preregistered course(s). Accordingly, students who preregister must pay their tuition bills by the due date or officially drop their courses in Enrollment Services by that same date so that their reserved class seats may be reopened to other students. Official cancellation of course reservations by this deadline removes all semester tuition and fee charges.

Preregistered students who cancel course registrations after the payment due date, but before the end of the add-drop period, will be liable for registration fees but not tuition charges. Students who withdraw from all classes will incur prorated charges according to the Total Withdrawal schedule in the Tuition and Fees section of this catalogue. These charges are assessed regardless of payment status or class attendance.

Students who register during the Registration or Late Registration periods incur academic and financial responsibility for their courses and must submit payment by the due date that appears on the bill. These students are liable for tuition charges and fees, unless they officially drop their courses in Enrollment Services before the end of the add/drop period, in which case they are responsible for fees only. Withdrawal after the end of the add/drop period will result in the assessment of prorated charges as delineated under "Charges for Course Changes" in the Tuition and Fees section of this catalogue.

The University reserves the right to drop from classes any student who has defaulted on a payment agreement with Enrollment Services. The University may also require students with a prior balance to prepay the tuition/fees for the semester prior to being allowed to register.

Independent Study

Application forms for programs of independent study may be obtained from department chairs who have information on University and department requirements. Students may not register for any independent study course without the signed approval of the department chair.

Schedule Changes

Adjustments to the semester schedule are permitted through the second Friday of the semester or by the day of the second class meeting for summer courses. To add or drop a course, the student under advisement must complete the schedule adjustment process, as detailed in the Registration Handbook, by the add/drop deadline. When students properly drop a course, the course is removed from the semester schedule.

In no case will students be allowed to add or drop a course after the end of the add/drop period. Also, no refund or credit will be granted for any course that is not officially dropped by the appropriate deadline. Nonattendance does not constitute a drop or a withdrawal. After the end of the add drop period, students who do not wish to continue in a class may submit a Course Adjustment Form to withdraw from the course. This form must be submitted to Enrollment Services with all required signatures by the appropriate deadline.

Semester Credit Load

Full-time status at the graduate level is 9 credits. Normally, a full-time graduate student will not exceed 12 credits in a given semester. Half-time status is considered 5 credits. Students registered at the part-time level will be registered for fewer than 9 credits.

During Summer Session, students may enroll for 6 credits in any one session. The maximum for students enrolling in multiple sessions during a given summer is 12 credits.

Refund Policy

The amount of tuition refund, if any, will be determined by Enrollment Services.

If students totally withdraw from the University during the University's refund period, recalculation of their financial aid (including loans) will be performed by Enrollment Services to ensure that students are entitled to the financial aid they received.

Summary of Procedures for Graduate Programs

Procedure	Responsibility of	Final Date
<ul style="list-style-type: none"> Request appropriate application for admission to graduate studies: application for U.S. citizens with degrees from U.S. institutions; application for students with degrees from countries outside the U.S.; applications for students requiring a student visa 	Student	Six weeks prior to deadline for submission of application; well in advance of deadline for foreign students
<ul style="list-style-type: none"> File Application for Language Examination 	Student	After completion of 12 credit hours; *consult department.
<ul style="list-style-type: none"> Record change of name or personal data 	Student	When appropriate – file in Enrollment Services
<ul style="list-style-type: none"> Record change of major/concentration using Curriculum Adjustment Form 	Student, adviser, receiving department	When appropriate
<ul style="list-style-type: none"> To obtain advanced standing, forward to appropriate graduate office transcript showing courses requested for transfer 	Student	When appropriate
<ul style="list-style-type: none"> Complete Transfer of Credit form 	Student, adviser	When appropriate
<ul style="list-style-type: none"> File Application for Comprehensive Examination 	Student, adviser	October 1 for Fall, February 1 for Spring, June 1 for Summer
<ul style="list-style-type: none"> Schedule oral examination (for Asian language students only) 	Student	See departmental adviser
<ul style="list-style-type: none"> Successful defense of doctoral dissertation 	Student, mentor	November 1 for Fall, March 15 for Spring, June 15 for Summer
<ul style="list-style-type: none"> File a minimum of three/four copies of a thesis with a mentor (where applicable). File approved copies with the department office for binding and pick up of student's copy 	Student	Three weeks prior to graduation. See schedule involved. (Diploma and transcripts are held until doctoral candidates present the final corrected copies of their dissertations.)
<ul style="list-style-type: none"> File Application for Graduate Degree with Enrollment Services 	Student	October 15 for Fall, February 15 for Spring, June 15 for Summer

Please note: All forms may be obtained from the appropriate college/school. See individual degree programs for procedure for doctoral degrees.

* Candidates for the M.A. in English are encouraged to take the language exam as soon as possible after matriculation.

for that term. If it is determined that a student is not eligible for the aid received, either a portion or the full amount of aid will be refunded to the program source from which it was received. Students are responsible for any outstanding balances with the University resulting from reduction or cancellation of financial aid. Federal aid will be reduced or canceled first, followed by state and institutional aid.

Graduate Grading System

The University uses the following letter grades on the graduate level to indicate the record of achievement in courses taken:

Letter Grade	Quality Point Weight
A Superior	4.0
B+	3.5
B Good	3.0
C+	2.5
C Satisfactory	2.0
D+	1.5
D Poor but Passing (School of Business/Theology)	1.0
F Failing	0.0
I Incomplete	0.0
AU Audit	0.0
NR No Record	0.0
IW Incomplete Withdrawal	0.0
WD Withdrawal	0.0
Some Graduate Seminars Only	
S Acceptable	0.0
U Unacceptable	0.0
IP In Progress	0.0

The following are explanations and regulations that apply to certain grades listed above:

I - Incomplete: Indicates noncompletion of assignment(s) or failure to take the examination for a course. Students must obtain written permission to receive an incomplete by submitting a Course Adjustment Form to the professor before the officially scheduled final examination. The professor will indicate on this form the amount of time allowed for completion of this work, up to a maximum of 12 months or by the time the student has graduated (whichever comes first). If the missing course requirements are completed within this time period, the professor must submit a new Course Adjustment Form indicating the changed grade to the dean's office within 10 working days. If a grade of "I" is not resolved within the time allotted, this grade will be changed automatically and permanently to "IW." In extenuating circumstances a written request for a limited time extension to complete course requirements may be submitted in advance of the one-year deadline by the student to the professor and dean of the college in which the course was offered, with a copy to Enrollment Services for approval. The grade "I" is not counted in determining class standing, eligibility or grade point average.

Although a student's GPA is not affected by an "I" grade, the fact that the student receives no credit for the course may impact academic eligibility and, as a consequence, the student's eligibility for financial aid.

An "incomplete" grade cannot be given when a student does not complete any course requirements or fails to attend class meetings. A student who receives an "I" grade may not attend class meetings in a future semester in order to make up outstanding requirements. Students who must attend all class meetings to complete requirements for an "I" in a course must register for the course. Full tuition is due in this circumstance.

IW - Incomplete Withdrawal: If, within 12 months, or by graduation (whichever comes first), a grade of "I" has not been resolved, it is automatically changed to "IW." The grade "IW" indicates that the student has not satisfied within the permissible time period all outstanding requirements for the course in which an "I" was received. An "IW" grade is not reversible; it does not count in determining class standing, eligibility or grade point average.

WD - Withdrawal: Withdrawal from a class with written permission incurs no academic penalty. Appropriate forms must be submitted to Enrollment Services. Withdrawal will be allowed up to the end of the fourth week after the end of the add/drop period without faculty or dean signature during Fall and Spring semesters. The student may file for withdrawal at Enrollment Services using a Course Adjustment Form. After the end of this initial period, withdrawals require signatures of the faculty member and dean. Under normal circumstances withdrawal will be allowed only through the Friday of the eighth week of each semester. Withdrawal after that date will be allowed by the respective deans' offices only under exceptional circumstances. The Summer Session catalogue includes applicable withdrawal deadlines. A "WD" is not reversible; it is not counted in determining class standing, eligibility or GPA.

When students receive a "WD" grade, their grade point average is not affected. However, the fact that the student receives no credit for the course may affect the student's academic eligibility, and, as a consequence, the student's eligibility for Title IV financial aid.

F - Failing: When students receive an "F" grade in a course, no academic credit or quality points are awarded for that course. Their GPA is, of course, negatively impacted by a failing grade. The "F" grade is not counted in determining class standing, but its statistical effect is factored into the calculation of GPA and, consequently, it also affects eligibility issues.

When students fail a course that is required in their program of study, they must successfully repeat that course in order to establish degree eligibility. When students fail a free elective, they are not required to make up the course.

When students successfully repeat a course at Seton Hall that they have failed, the original "F" grade remains on their transcript with the "repeated" designation, but is no longer factored into the students' GPA.

In general, students are not granted permission to retake at another institution a course they failed at Seton Hall.

If students were to retake the course at another institution for transfer to their Seton Hall record, no statistical adjustment would be made. In this case, the "F" would continue to be calculated into the average. Students earn credits, but no quality points, from transferred courses.

Poor academic performance can affect eligibility for financial aid. In general, it is recommended that students repeat courses at Seton Hall that they have initially failed so that they may improve their GPA. Students on probation should consult with their adviser to determine how to improve their academic performance and raise their GPAs.

AU - Audit Option (no credit): Students who register as auditors are expected to attend class regularly but are not obligated to take tests or comply with any other course requirements.

Please note: There are two audit options available:

Audit Declaration at Registration - students who declare an audit option at the time of registration by filing an Audit Declaration are assessed tuition of \$100 per credit plus fees. Audit declaration is restricted to open courses at in-person registration sessions immediately prior to the beginning of a semester. Audit declaration is not allowed in computer, computer-based, laboratory, graphic arts, applied art, applied music, independent study, thesis or dissertation, or off-campus courses. Audit declaration also is not allowed in closed courses.

“The future belongs to those who believe in the beauty of their dreams.”

ELEANOR ROOSEVELT

Students who file an Audit Declaration subsequently may not switch to credit status. Auditors who withdraw from a course for which they have filed an Audit Declaration will not receive any refund. Within the add/drop period, auditors

may drop a course for which they have filed an Audit Declaration; they will receive a refund of tuition only, not fees.

Standard Audit Option - Students who wish to audit a class may submit this request on a Course Adjustment Form available in Enrollment Services. Auditors may enroll for any course for which they are qualified. They may be dropped from a course by the professor if their presence impedes normal class progress. They may not change from audit to credit or vice versa after the fifth week of class or the first third of the course meetings in Summer Session. Regular tuition and fees are assessed for the standard audit option.

The designation of “AU” is noted on the transcript. “AU” is not used in determining class standing, eligibility or GPA.

Grade Point Average

To calculate weighted averages, the quality units assigned to grades are multiplied by the number of credits assigned to the course in which the grade is received. For example, a grade of “B+” in a 2-credit course represents seven quality units; a grade of “A” in a 3-credit course equals 12 quality units and so forth. The sum of the quality units that the student has earned then is divided by the sum of credits attempted which are graded “A” through “F.” The resulting figure when truncated to four decimal places is then rounded by adding .0005 and truncating all but three digits to the right of the decimal.

Academic Good Standing

A grade point average of 3.0 is considered the minimum standard for satisfactory completion of coursework. Students who have accumulated two “C” grades or one “F” grade will undergo a record review by the appropriate faculty to determine future standing.

Dismissal/Suspension

Dismissal and suspension are based on the student’s unsatisfactory academic progress; and therefore, the student is not in good standing with the University and is not eligible for financial aid.

Repeated Courses

A student may repeat a course in order to earn a higher grade. The student must repeat the course at Seton Hall; no statistical adjustment is made when a student repeats a course at another institution. No credit is awarded when a student retakes at another institution a course for which he or she has earned credit at Seton Hall. When a course taken at Seton Hall is repeated at Seton Hall, only the higher grade is used in the calculation of the GPA. In this case, the lower grade will remain on the transcript marked “repeated.” Credit (if any) attached to the lower grade is rescinded; only the credit attached to the higher grade is applied to the student’s record. This statistical adjustment will be made only when the student repeats the exact course with the identical course number.

If the student receives the same grade on the course when it is repeated, the more recent grade will be applied to the student’s record. If a student receives a lower grade when the student repeats the course, the higher grade will remain applied to the student’s record, although the lower grade will be reflected on the individual’s transcript, but will not be calculated into the student’s GPA.

Students must inform their adviser and Enrollment Services if they are repeating a course for a better grade. While there is no limit to the number of times a student can repeat a course, excessive repeated courses may impact on satisfactory academic progress requirements.

Grade Change Requests

A request for a grade change must be made in writing to the instructor no later than four months from the date of the submission of the final grade in the course. (Incompletes are not final grades and are governed by stated University policies.) If the matter is not resolved within 10 class days from the submission of the request for change, the student has recourse to use the University grievance policy.

Grade Changes and Graduation

After clearance for graduation, the student’s academic record is finalized, and no grade changes may be authorized. Graduating students who have a pending grade appeal must advise Enrollment Services in writing of this fact.

Commencement

Commencement takes place once a year in May when degrees for the preceding Summer and Fall terms also are awarded. In June the graduate will receive a diploma reflecting completion of the appropriate graduate degree and the actual completion date. Transcripts also will reflect this information.

Participation in Commencement Exercises is restricted to those graduates who completed degree requirements in the prior Summer and Fall semesters and to confirmed degree candidates completing requirements as of May. Enrollment Services determines eligibility to participate in commencement.

Diploma Policy

Diplomas are normally available by mid-June following the May commencement date. A student's name appears on his or her diploma exactly as it appears on the University's computerized database. Students must file a name change request in the Office of Enrollment Services by April 1 in order to have their diploma reflect that change. Changes in last name require official documentation (e.g., marriage certificate or court order). The addition of a middle name or initial does not require supporting documentation.

Diplomas are released upon determination of academic eligibility and financial clearance. Graduates who have an unresolved financial obligation to the University will not receive their diplomas until cleared by Enrollment Services.

Special Services Program

Located in the Duffy Hall, Special Services provides academic and student support services for disabled students. Services include special parking permits, elevator keys, tutors, notetakers, readers, textbook ordering and accommodations arrangements for test taking. Interested students may call Raynette Gardner at (973) 761-9167 for an appointment.

Transcripts

Transcript requests should be filed well in advance of any deadline. Normal processing time is three days, except for peak periods at the end of the semester and commencement. Transcripts reflecting the award of a graduate degree will not be available until Enrollment Services has confirmed the eligibility of the candidate for the degree.

To send a transcript, the student must file a Transcript Request or alternate signed, written request with Enrollment Services. Telephone and e-mail requests cannot be honored. The mailing address is Seton Hall University, Enrollment Services -Transcripts, 400 South Orange Avenue, South Orange, NJ 07079-2189.

Only student (unofficial) transcripts are released to students. Upon written request of the student, official transcripts may be sent directly to third parties, including colleges, employers, etc.

The University reserves the right to withhold transcript services from students who have an outstanding financial obligation to the University.

The first five transcripts a student requests each year are free; subsequent copies are assessed a \$3 per copy fee.

Name and Address Change

Changes in personal data, including change of name, address, next of kin and expected graduation date, should be reported in writing to Enrollment Services. Requests for changes in last name require accompanying official documentation (e.g., marriage certificate or court order). Graduating students must file name change requests by April 1 preceding the May commencement date. Name changes will not be made after a student has graduated.

Personal Identification Number (PIN)

Each student is assigned a PIN each semester for use in accessing their records for Web-based registration and other services. Students should keep their PIN confidential. In the event that a student forgets his or her PIN, the student should contact their adviser.

Student Affairs



Bishop Dougherty University Center
(973) 761-9075
studentaffairs.shu.edu

Vice President for Student Affairs: Laura A. Wankel, Ed.D.
Associate Vice President for Student Affairs: Reverend Robert S. Meyer, J.D., S.T.L., J.C.L.
Assistant Vice President for Student Affairs: Jeffrey Hurrin, M.S.Ed.

The Division of Student Affairs coordinates the following departments: Athletics and Recreational Services, The Career Center, Health/Counseling Services, Community Development, Housing and Residence Life, and Public Safety and Security. The Division maintains an open-door policy and encourages all students, full-time, part-time, undergraduate, graduate, day or evening, to stop by if they have any questions or concerns in reference to the University.

The Division of Student Affairs assists, directs and informs students concerning the various nonacademic services and programs available to them. For information, call (973) 761-9075, or visit the Student Affairs office located on the second floor of the Bishop Dougherty University Center.

Housing and Residence Life

Director: Craig Allen, M.A.

64 Duffy Hall, (973) 761-9172

Hours: Monday - Thursday, 8:30 a.m. - 5:30 p.m.

Friday, 8:30 a.m. - 5 p.m.

E-mail: shuhousing@shu.edu
studentaffairs.shu.edu/housing

Limited housing space is available for graduate students at Ora Manor Apartments. Ora Manor is approximately one mile from campus and is owned by the University. Seton Hall provides a shuttle service to campus Monday - Friday during the academic year when classes are in session. There is also public transportation available.

In addition, many South Orange residents rent space in their homes to Seton Hall students. Off-campus listings are available through the Department of Housing and Residence Life.

Dining on Campus

Director: Rick Joseph

Bishop Dougherty University Center, (973) 761-9559

Hours: Monday - Sunday, 7 a.m. - 1 a.m.

E-mail: gourmetdining@shu.edu

The Galleon Room is located in the lower level of the Bishop Dougherty University Center. It is open from 7 a.m.-1 a.m., seven days a week when the University is in regular session. The Galleon Room accepts Point Plans, Flex Plans* and cash. The Galleon Room allows students to purchase food on an "a' la carte" basis from different stations in a food court setting.

The Pirate's Cove, the University coffeehouse, is located on the first level of the University Center. The Pirate's Cove offers a wide range of coffees, specialty sandwiches and desserts in a relaxing coffeehouse atmosphere. It is open Monday - Thursday 9 a.m. - 11:30 p.m., Friday 9 a.m. - 3 p.m., closed on Saturday and on Sunday when the University is in regular session.

Seton Hall University's Declining Balance Program (DBP) uses a declining balance "Meal Point Plan" program that offers four meal plan options to students. Using the student's University ID card, the amount of the student's purchase automatically is

deducted from the (DBP) account. A display at the register shows the amount being charged and the balance of points remaining. DBP's may be used in the Galleon Room and the Pirate's Cove and are active during the entire Fall and Spring semesters. They are not active between the Fall and Spring semesters (Christmas) or the Spring and Fall semesters (summer).

Please note: Any unspent points remaining at the end of a semester are not refundable. DBP meal point plans are not carried over from one semester to another. The meal plan options are as follows:

Plan I: \$1,040
Plan II: \$1,170
Plan III: \$1,405
Plan IV: \$1,639

***Seton Hall Flexible Point Plans** ("Flex Plans") are prepaid accounts that may be used like cash in the Galleon Room, Book Store and vending machines throughout campus. These prepaid accounts work like the Point Plan. Flex Points may be used to supplement exhausted Point Plans or simply to provide a convenient way to keep spending money handy for use in on-campus facilities. To create a "Flex Plan" account, deposit money at Enrollment Services in increments of \$100. Additional money may be deposited at any time. Flex Points represent money already on deposit so it is impossible to overdraw an account. Unspent Flex Points are carried over to the following semester or may be refunded at the end of the academic year.

Public Safety and Security

Assistant Vice President: Patrick P. Linfante, M.A.
Security Building, (973) 761-9300
Hours: Monday - Friday, 9 a.m. - 5 p.m.
24-hour Guard Security Service
E-mail: dispatch@shu.edu
studentaffairs.shu.edu/security

Seton Hall University provides 24-hour security services throughout the campus. The Department of Public Safety and Security offers, for the personal safety of all university community members and visitors, an escort service to anywhere on campus when requested to do so. Call ext. 9300 for this service. Report a crime online at studentaffairs.shu.edu/security. More information about the Department of Public Safety and Security can be obtained by calling (973) 761-9328.

Parking Services

Seton Hall University offers limited parking for commuting students and senior residents. Exceptions are made for other resident students in curriculum-related employment, such as co-op programs, internships, student teaching and clinical assignments. A.D.A. approved accessible parking spaces are located throughout the campus in proximity to academic buildings. The use of these spaces is strictly enforced.

All graduate students (including those studying part-time) must obtain a parking decal to park on campus. Detailed information about parking is available through the Parking Services Office, Duffy Hall, (973) 761-9329, 8 a.m. - 7 p.m. (Monday - Thursday), 8 a.m. - 5 p.m. (Friday).

Identification Cards/Card Access Services

All members of the University community must present a University identification card upon request to any University official, representative or campus security officer. Identification cards must be presented at residence halls, the Recreation Center, the computer center and Walsh Library. Card Access Services at (973) 761-9771 is located in Duffy Hall and is open Monday - Thursday, 8 a.m. - 7 p.m. and Friday, 8 a.m. - 5 p.m.

Campus Ministry

Director: Reverend James F. Spera, M.Div., M.A.
South Boland Hall, (973) 761-9545
Hours: Monday - Friday, 9 a.m. - 5 p.m.
E-mail: sperajam@shu.edu
admin.shu.edu/campusmn

Campus Ministry provides a pastoral presence on campus. It seeks to evangelize and empower all, by the prompting of the Holy Spirit, to become dedicated members of God's family. Campus Ministry seeks to bring to higher education the Church's general mission; namely, to preach the Gospel of Jesus Christ, by creating an environment that allows for spiritual, moral, liturgical and sacramental development, as well as intellectual, social and physical nurturing. Campus Ministry staff helps guide the maturing Christian conscience, educate for peace and justice, and develop future Christian leaders.

The activities listed below are open to participants of all faiths. The Campus Ministry staff also will direct any member of the University community to local congregations that will foster individual spiritual development. An Interfaith Directory, which includes addresses and telephone numbers of houses of worship in the area, is available through Campus Ministry.

Worship

Sunday Mass is celebrated at 10 a.m., 6 p.m., 8 p.m. and 10 p.m. Daily Mass is offered Monday - Thursday at 8 a.m., noon and 5 p.m., and on Fridays at 8 a.m. and noon in the Immaculate Conception Chapel. Confession is available Monday - Friday at 11:30 a.m. and Wednesday at 11 p.m. and by appointment; Penance Services are celebrated in preparation for Holy Days.

Lay Ministry is an important element of Catholic worship. To enhance the celebration of the Liturgy, anyone interested in serving as a liturgical minister (lector, music minister, eucharistic minister or greeter) will be trained and mandated.

Morning Prayer is offered Monday - Friday in the Immaculate Conception Chapel at 7:30 a.m.

Additionally, Campus Ministry enriches the academic year by celebrating the University's religious heritage in traditions of:

- Mass of the Holy Spirit in September
 - Eucharistic Day
 - Special Thanksgiving and Advent liturgies
 - A procession for the Feast of the Immaculate Conception
 - A Christmas Tree Lighting and blessing of the manger
 - Lenten liturgies
 - Baccalaureate liturgical celebrations
- There also are liturgies specially arranged for student groups.

Chapels in Boland and Xavier residence halls complement the main chapel and are available for private prayer, evening Mass and specially scheduled events. All are open daily. Arrangements for Masses, baptisms, and weddings may be made through the Campus Ministry office.

Education

The Rite of Christian Initiation for Adults (RCIA) is a process that directs the full formation of students into the Catholic Church. Students learn to understand the teaching, worship, formation, and community that comprise the Church. It also is a catechetical program for baptized Catholics who desire full membership in the Catholic Church through the sacraments of Confirmation and the Eucharist.

Bible Study groups meet weekly in the Campus Ministry Lounge to promote a Catholic approach to the study of the Old and New Testament.

Prayer

Each week, student-directed prayer meetings take place in Boland Hall. The meetings incorporate praise and worship, faith and Scripture sharing, as well as intercessory prayer.

Spiritual Renewal

Retreat experiences are offered each semester, both on and off campus. Campus Ministry also provides a small-group environment, known as Small Christian Communities, where formation of Christian life is nurtured through friendship, reflection and social action.

Campus Ministry also assists any person who seeks spiritual direction, vocation discernment or crisis counseling. For more information, call (973) 761-9545.

Social Awareness

The Division of Volunteer Efforts (DOVE) responds to an ongoing call for social justice by direct involvement in serving others. This service stems from the desire to affirm the dignity of all people and to live as Christ taught by putting our faith into action. The pro-life student organization Seton Hall United for Life (SHUFL) hosts continuous pro-life awareness activities.

The Career Center

Director: Jacqueline Chaffin, M.A.
Bayley Hall, Suite 209
(973) 761-9355

Hours: Thursday, 8:45 a.m. - 7 p.m.,
Monday - Friday, 8:45 a.m. - 4:45 p.m.

E-mail: careers@shu.edu
studentaffairs.shu.edu/career

The Career Center facilitates and promotes career development and experiential education programs that enrich the academic experience and develop the career/life skills essential for students to be successful contributors in their professional and community

lives. An integrated career development/management plan (which includes self-exploration, values-centered and ethical career decision making, experiential education, and employer/alumni networks) provides students with meaningful career/life experiences.

Experiential Education

Experiential Education at Seton Hall University is an educational strategy in which students apply factual, practical and theoretical knowledge in a real-world work experience. Programs include cooperative education/internships, community service, service learning, field experiences, practica, clinicals and student teaching. The common element of these programs is that all provide the opportunity to combine classroom learning with "hands on" work and learning experiences.

The Career Center supports students' career preparation for all experiential education programs. These programs enrich the academic experience and impact postgraduate success.

Cooperative Education/Internships

A co-op/internship integrates substantive work experience with intentional learning/academic goals. The Career Center works closely with the academic departments and employers to provide quality work experiences for students. Co-op/internships are monitored and evaluated and require that the student reflect on what is being learned.

Co-op/internships provide students with the opportunity to explore career interests by obtaining valuable work experience prior to graduation. Students work 15 - 40 hours per week, gain critical work skills and professional contacts, and earn money to offset educational expenses. Co-op/internships can be paid or non-paid and credit bearing or non-credit bearing. To be eligible to participate in a co-op/internship, students must be matriculated and in good academic standing at the University.

Students who elect to earn academic credit for their co-op/internship experience must obtain approval from a faculty adviser. Faculty advisers approve the work experience for academic credit, help students articulate learning objectives and evaluate and grade the academic component of the experience. Academic departments may have additional requirements for credit-bearing internship experiences.

Students interested in obtaining a co-op/internship, should make an appointment with a professional at The Career Center, who will guide them through the process.

Career Success Workshops

Seminars and interactive workshops assist students with career assessment, resume and cover letter writing, goal setting, skills identification, developing portfolios or preparing personal/career statements and advanced interviewing, career search and networking strategies.

Employer/Alumni Networking Events

The Career Center has forged strong partnerships with hiring employer organizations that specifically recruit Seton Hall students. Recruiting employers and alumni serve as career mentors and participate in networking events throughout the year to identify talent for their organizations.

*"Life's like a play:
it's not the
length, but the
excellence of the
acting that
matters."*

SENECA

Events include the following: Career alumni/employer networking forums that target specific industry areas; a Job Fair that hosts more than 150 employers; the College of Education and Human Services Career Fair, and the Nursing and Health Professions Career Fair.

Virtual Career Resources

The Career Center's home page provides 24/7 (24-hour, 7 days-a-week) access to: employment postings (e.g. co-op/internships, part-time jobs and full-time professional employment opportunities); a calendar of events including career workshops, career fairs and employer information sessions; and more than 300 links to career management resources and additional job banks.

Career Navigator is the Career Center's internal online co-op/internship and full-time professional job listing and resume posting system. Navigator also offers E-resume books and the opportunity for students to network with alumni through the Internet. All students must register and construct a resume online with the Career Center.

Alumni Network

The Career Center provides career transition guidance and invites alumni to participate in professional networking events. As a member of the Seton Hall University community, alumni stay involved with the Career Center and the University by participating in career networking events, serving as career mentors and recruiting students for co-op/internships and full-time professional employment opportunities. Alumni are invited to become involved in Pirate Navigator, an online mentoring program.

Department of Athletics and Recreational Services

Athletic Director: Jeffrey Fogelson, M.A.

Recreation Center, Second Floor

(973) 761-9498

Hours: Monday - Friday, 8:45 a.m. - 6 p.m.

E-mail: athletics@shu.edu

athletics.shu.edu

Mission Statement

The mission of the Department of Athletics and Recreational Services is to ensure that the intercollegiate athletics and recreational programs represent and reflect the mission and goals of the University. By providing quality opportunities and programs that reflect high academic, moral and athletic standards, Seton Hall University enables all student-athletes to maximize their personal potential.

The department is committed to ethnic, racial, cultural and gender diversity along with attention to inclusion of the physically challenged. By providing challenging recreational opportunities and quality facilities for all members of the Seton Hall community, the Department of Athletics and Recreational Services seeks to create a sense of community spirit and pride among all constituents: students, faculty, staff, administrators and alumni.

The department believes in providing community experiences and opportunities for the development of leadership and personal life skills and career growth.



Athletics

The Department of Athletics and Recreational Services organizes, manages and promotes all intercollegiate and recreational sports activities at Seton Hall University, with the objective of enriching the educational experience of every involved student.

On an intercollegiate level, the University competes in 17 sports, with approximately 250 student-athletes participating. Seton Hall is a charter member of the prestigious BIG EAST Conference, and competes on the NCAA Division I level in all sports.

Pirate athletics has enjoyed a rich tradition. In recent years, the men's basketball team has advanced to the championship game of the NCAA Tournament in 1989, the "Sweet Sixteen" in 2000 and won three BIG EAST titles during the 1990s. The women's basketball team competed in the NCAA Tournament in 1994 and 1995, advancing to the "Sweet Sixteen" in 1994. The baseball, golf, men's and women's track, men's soccer and volleyball teams all have won BIG EAST titles. Student athletes from the track, swimming, and tennis programs have earned BIG EAST individual titles and have excelled at the national level.

Seton Hall student-athletes have been recognized for their athletic and academic achievements by being named to All-America, Academic All-America and All-BIG EAST Academic teams. Several athletes have been awarded post-graduate scholarships for their outstanding academic and athletic accomplishments.

Seton Hall also has had a substantial impact in international competition. The University has been well-represented in recent Olympic Games, and coaches and athletes from the University participated in the 1992, 1996 and 2000 Summer Games.

Recreational Services

The University's Recreational Services Program promotes health and wellness and encourages wise use of leisure time. It provides extensive programmed activities developed to complement the many "open-recreation" opportunities provided by the Recreation Center.

A comprehensive program of noncredit instructional courses in "lifetime" sports and fitness/wellness activities is offered in the center, including aerobics, swimming and racquet sports.

The intramural program is open to all students and offers recreational and leisure sports activities such as leagues, tournaments and special events. Students can participate in flag football, basketball, volleyball, softball, soccer, tennis, hockey, road races and more.

Club sports at Seton Hall are available to students interested in a higher level of competition than intramurals in a sport not offered on the intercollegiate level. Clubs are organized, financed and run by the students with administrative assistance provided by Recreational Services. Current club sports include ice hockey, rugby, lacrosse and volleyball.

The offices of the Department of Athletics and Recreational Services are located in the Recreation Center. Information about athletic programs may be obtained by calling (973) 761-9497. For information concerning intramurals, club sports or Recreation Center memberships call (973) 761-9722.

Recreation Center hours (during the regular session):
 Sunday, 10 a.m. - 10 p.m.,
 Monday - Thursday, 7 a.m. - 10 p.m.,
 Friday, 7 a.m. - 9 p.m.,
 Saturday, 10 a.m. - 8 p.m.

Department of Community Development

Dean: Dawn L. Williams, Ed.D.
 Bishop Dougherty University Center, Room 237
 (973) 761-9076
 Hours: Monday - Friday, 8:45 a.m. - 4:45 p.m.
 E-mail: community@shu.edu
studentaffairs.shu.edu/community

The Department Community Development assists and guides students in assuming responsibility for improving the overall quality of student life on campus. This office is responsible for coordinating the University Community Standards Review process.

Community Standards

Seton Hall seeks to create a community, through community standards, where rights and mutual responsibilities are both recognized and valued, where truth and Christian ideals are sought and lived. The University seeks to foster an environment of mutual respect and dignity for each member of its community of scholars and learners, and expects each person to take seriously his or her role in establishing such an environment.

Graduate Student Association

Bishop Dougherty University Center, Room 107
 (973) 275-2937
 Hours: Monday - Friday, 8:45 a.m. - 4:45 p.m.

Graduate Student Association

The Graduate Student Association is an organization that strives to coordinate activities and services for the benefit of graduate students and the University community. Both part-time and full-time graduate students are invited to become involved.

Health/Counseling Services

Director: Gail Pakalns, Ph.D.
 University Counseling Services
 Mooney Hall, Second Floor
 (973) 761-9500
 Hours: Monday - Friday, 8:45 a.m. - 5 p.m.
 Evenings by appointment until 9 p.m.

Student Health Services
 Boland Hall, First Floor
 (973) 761-9175
 Hours: Monday - Friday 8 a.m.-5 p.m.
studentaffairs.shu.edu/health

The Department of Health/Counseling Services provides primary medical care, psychological assessment and counseling, and health education information and activities for matriculated resident and commuting graduate students. Regular consultations between health and counseling staff ensure consideration of both physical and psychological factors in an integrated view of health and wellness. All services are free and strictly confidential.

Crisis Services

In the event of a personal or medical crisis, graduate students may contact Health Services or Counseling Services directly; seek assistance from a University official, such as a residence hall director, faculty member or dean; or call the Department of Public Safety and Security at (973) 761-9300 or 911 on campus. After-hours, for health emergencies the 911 system activates an immediate response by EMTs, local police and the Department of Public Safety and Security. Counseling professionals can be paged by the Department of Public Safety and Security to assist with urgent psychological crises.

Peer Health Education

Peer Health Education offers a variety of activities that promote healthy lifestyles and informed, responsible choices. Graduate students are invited to assist with planning, promoting and leading programs on topics related to physical and emotional health for annual special events (e.g., Women's Conference), campus celebrations (e.g., Black History Month), and ongoing health campaigns. Students also serve on University-wide committees for which they develop policies and programs. For further information, call (973) 275-2801.

Health Services

The purpose of Health Services is to help students achieve and maintain optimal health. The staff of nurses, physicians and nurse practitioners provide primary medical care emphasizing patient education.

The office provides a full range of primary care services, including assessment and treatment of acute illness, routine gynecological care, allergy injections, free and confidential HIV testing, treatment for sports injuries, immunizations and care for chronic disease (e.g., asthma). Commonly prescribed medicines and some lab tests are available at low cost. Referrals to off-campus specialists and labs are available. Programs on health-related topics are offered free of charge. Health Services collaborates with the College of Nursing and the School of Graduate Medical Education in providing training opportunities for graduate students in the health professions.

The office is open Monday through Friday, 8:30 a.m. to 5 p.m. In the event of a health emergency after-hours, the 911 system activates an immediate emergency response. Appointments and other information are available at (973) 761-9175 or Health Services on the first floor of South Boland Hall.

Required Immunizations and Physical Examination

Health Services complies with the New Jersey law, the recommendations of the Centers for Disease Control and University

Policy by requiring all matriculated students to provide proof of a tuberculin skin test and immunity to specific vaccine-preventable diseases prior to registration. At the time of admission a Student Health Form is sent to each student's home. All students must return this completed form in order to register for classes.

Mandatory Health Insurance

In compliance with New Jersey law, all full-time graduate and Law students must carry health insurance. Full-time students who cannot show proof of health coverage will be automatically enrolled in health insurance through the University. For information on the University-sponsored Student Health Insurance Plan, contact Student Health Services at (973) 761-9175.

Counseling Services

Psychologists and professional counselors can assist graduate students with a wide variety of personal concerns, including depression, relationship problems, alcohol and other drug use, eating problems, stress management, couple and family conflicts and identity issues. All services are free and strictly confidential. Crisis intervention; individual, short-term counseling; ongoing group counseling; referrals for longer-term treatment; and supportive services for students in off-campus treatment are available. Workshops and health education programs are offered on a variety of topics. Counseling Services collaborates with the Department of Professional Psychology and Marriage and Family Therapy in providing training opportunities for graduate students in mental health professions.

The office is open from 8:45 a.m. to 5 p.m., Monday through Friday; evening hours are available by appointment. To make an appointment, call (973) 761-9500 or come to Counseling Services on the second floor of Mooney Hall.

Designated Consumer Officials

Certain members of the University administration have been designated as consumer information officials. Questions pertaining to various aspects of student life may be directed to these officials, as follows:

Academic Affairs:

Mel J. Shay, Provost and Executive Vice President for Academic Affairs, Presidents Hall, (973) 761-9655.

Admissions, Financial Aid and Enrollment Services:

Arthur Blanck, Executive Director of Enrollment Services, Bayley Hall, (973) 313-6131.

Student Records:

Mary Ellen Farrell, Enrollment Services, Bayley Hall, (973) 761-2293.

Student Services:

Dawn Williams, Dean for Community Development, Bishop Dougherty University Center, (973) 761-9076.

A comprehensive listing of University offices and departments with their phone numbers and locations may be found in the Directory section of this catalogue.

WSOU-FM

Director: Michael Colazzo
Recreation Center
(973) 761-9546
E-mail: wsou@shu.edu

WSOU, which transmits with 2,400 watts of power at 89.5 FM, is Seton Hall University's stereo radio station. It is operated by

Seton Hall students under the supervision of a professional director, business manager and chief engineer.

The station broadcasts to a potential listening audience of 13 million in the tristate metropolitan area. WSOU greatly enriches the career-oriented educational experience of students interested in broadcasting by providing them the opportunity to function as engineers, newscasters, sportscasters, disc jockeys or producers. Junior and senior students function in management positions with professional direction.

One of the strengths of WSOU is its maintenance of a diversified program format, while continuing to provide increased educational opportunity to students and service to the University.

WSOU was named "Best

College and Non-Commercial Radio Station" for 1991 and 1995 by *CMJ Magazine*, "College Rock Station of the Year" in 1995, 1996 and 1997 by *The Gavin Report* and also the Album Network "Aggro" Station of the Year for 2001. The station has received 50 platinum record awards for its role in the music industry. WSOU is administered by the Department of Communication.

In March 1998, WSOU began operating from its new, state-of-the-art, million dollar facility. WSOU celebrated its 50th anniversary in April 1998. Please visit the Web site at wsou.shu.edu

"Twenty years from now, you will be more disappointed by the things you did not do than by the things you did do. So, throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover."

MARK TWAIN



College of Arts and Sciences



Fahy Hall and Arts and Sciences Hall
(973) 761-9022
artsci.shu.edu

Dean: Molly Easo Smith, Ph.D.
Associate Dean: Joan F. Guetti, Ph.D.
Associate Dean: Gregory Burton, Ph.D.
Assistant to the Dean: Catherine Buckley, M.B.A.
Director of Academic Projects: Chrysanthy M. Grieco, Ph.D.
Director of Special Projects: Miriam Lyons Frolow, M.P.A.
Coordinator of Project Acceleration: Lisa Tilton-Levine, Ph.D.

Department Chairs

Art and Music: Jeanette Hile
Asian Studies: Gilbert Mattos
Biology: Sulie Chang
Chemistry and Biochemistry: Richard D. Sheardy
Communication: Donald N. Lombardi, Director; Peter Reader, Chair
English: Martha Carpentier
Jewish-Christian Studies: Reverend Lawrence Frizzell
Graduate Department of Public and Healthcare Administration: Naomi Wish, Director

The College of Arts and Sciences, the oldest school of the University, was established as Seton Hall College in 1856. The College comprises the departments of African-American Studies, Art and Music, Asian Studies, Biology, Chemistry and Biochemistry, Classical Studies, Communication, Criminal Justice, English, History, Jewish-Christian Studies, Mathematics and Computer Science, Modern Languages, Philosophy, Physics, Political Science, Psychology, the Graduate Department of Public and Healthcare Administration, Religious Studies, Social Work, and Sociology and Anthropology.

The College of Arts and Sciences offers graduate courses leading to the degree Master of Arts with specialization in Asian studies (Chinese, Japanese, Asian area studies and Asian bilingual/bicultural education), English, Jewish-Christian studies, corporate and public communication, and museum professions. The Master of Science degree is offered with specialization in biology and chemistry. The Graduate Department of Public and Healthcare Administration offers a Master of Public Administration degree and a Master of Healthcare Administration degree. The Doctor of Philosophy degree is offered in chemistry. In support of these programs the departments of Physics, Psychology, Religious Studies and Social Work offer select graduate courses.

Application and Admission

Applicants to graduate study in the College of Arts and Sciences are expected to meet the general University qualitative requirements for admission and to comply with its admission procedures.

Department and program descriptions include specific admission requirements for the individual graduate degree programs.

Degree Requirements

In addition to the general University requirements, the College of Arts and Sciences requires the candidate to:

- complete department course and credit requirements; and
- pass the comprehensive and/or language examinations where required.

Foreign Language Requirement

Some departments in the College of Arts and Sciences require candidates to demonstrate ability to read material pertinent to their fields in one foreign language. See individual program descriptions for further information.

This requirement may be met by satisfactorily completing a special language course or by passing a reading proficiency examination. Information about examination dates is available from the department.

Comprehensive Examination

The successful completion of a comprehensive examination is required in some departments of the College of Arts and Sciences. University regulations concerning this examination are detailed in "The Comprehensive Examination" and "Continuity" in the Academic Policies and Procedures section of this catalogue.

Department of Art and Music

Art Center
(973) 761-7966
artsci.shu.edu/mp

Faculty: Cate (*Co-Director*); Chu (*Co-Director*); Heinrichs; Leshnoff; Nichols.

Adjuncts: Buck; Cotz; Fukushima; Ocello.

Master of Arts in Museum Professions

Program of Study

The Master of Arts in Museum Professions is designed for individuals interested in pursuing careers in museums and other institutions related to the arts, such as historical societies, performing art centers and corporate art galleries. Combining structure with flexibility, this 39-credit program offers three professional tracks:

- I. Museum Education
- II. Museum Management
- III. Museum Registration

These diverse offerings are provided through cooperation with other departments and schools of Seton Hall University, and through collaboration with museum professionals who serve as advisers and faculty for the program.

Museums have become complex, multipurpose organizations. The Master of Arts in Museum Professions is designed to meet their need for professionally trained employees. This program is designed for recent college graduates, people seeking a career change, and museum employees who wish to improve their skills.

Admission Requirements

Admission to this program is open to those with a baccalaureate degree in art history or a degree in another field with a minimum of 12 undergraduate credits in art history (these credits may be completed after conditional admission to the program). In addition, the applicant must present satisfactory GRE scores (or a GRE waiver), two letters of recommendation, an essay outlining his or her objectives, and transcripts of all college records.

Degree Requirements

A total of 39 credits is required.

Art History/Interpretation (12 credits)

In consultation with a faculty adviser, choose four courses from the following:

	<i>Credits</i>
ARMS 6501 Art since 1945	3
ARMS 6502 The Interpretation of Art	3
ARMS 6503 The Discriminating Eye	3
ARMS 6506 African American Art	3
ARMS 6600-6609 Seminars on Special Topics or Abroad	3

Museum Studies (15 credits, in consultation with adviser)

ARMS 6000 The Anatomy of a Museum	3
ARMS 6505 History and Theory of Museums	3
ARMS 7002 Producing an Exhibition	3
ARMS 7005 Museum Technologies	3
ARMS 7800 Internship	3
ARMS 8000 Master's Project	3

Professional Tracks (Complete one track for 12 credits)

Track I. Museum Education

ARMS 6504 A Survey of Museum Education	3
ARMS 6607 The Museum: An Environment for Education	3
ARMS 6611 Museum Education in the 21st Century	3

Choose two courses from the following:

EDST 6223 Advanced Psychology of Childhood	3
EDST 6307 Integrating Technology and Education	3
EDST 6314 Multimedia Presentations	3
EDST 6336 Psychological Issues and Implications	3
EDST 6408 Child Development and the Curriculum	3
EDST 6409 Styles of Teaching and Learning	3
EDST 7312 Current Issues in School and Society	3

*"What you
theoretically
know, vividly
realize."*

FRANCISTHOMPSON

Track II. Museum Management

This may be taken as a four-course track, or the student may choose five courses and thereby earn a Graduate Certificate in Arts Administration (as well as a Master of Art in Museum Professions). In order to receive a Graduate Certificate in Arts Administration, the student must complete the certificate application process before beginning these courses.

PSMA 7314*	Financial Management of Nonprofit Organizations	3
PSMA 7316*	Principles, Practices and the Environment of Arts Organizations	3
PSMA 7317*	Strategic Management of Arts Organizations	3
<i>Complete any two of the following:</i>		
PSMA 7313	Resource Development (fundraising)	3
PSMA 7315	Managing Volunteers in Nonprofit Organizations	3
PSMA 7318	Marketing and Public Relations in Arts Organizations	3
PSMA 7319	Legal Issues in Arts Organizations	3
PSMA 7320	Nonprofit Information Management Systems	3
PSMA 7321	Grantsmanship	3
PSMA 7712	Program Evaluation Methods: Outcome Assessment	3
PSMA 8322	Administration of Arts Education Programs	3
PSMA 8323	Arts & Community Development	3

* Asterisked courses are required for those enrolled in the Certificate Program.

Track III. Museum Registration

ARMS 6802	Object Care for Collection Managers	3
ARMS 6803	Museum Registration I	3
ARMS 6804	Museum Registration II	3
ARMS 7005	Museum Technologies	3

Total: 39

Course Descriptions

Please note: The following list includes only the ARMS courses in the M.A. in Museum Professions. To locate descriptions of courses in education and public administration, consult the Index.

ARMS 6000 The Anatomy of the Museum

A survey of the entire museum: its governance; its mission; exhibition planning; gifts, grants and purchases. Contemporary issues concerning audience and relevance of programming. Topics include the roles of key staff members, including the director, curator, registrar and other department heads. *3 credits.*

ARMS 6501 Art Since 1945

A survey of more than five decades of artistic production in the United States, Europe, and beyond. Major currents in art and visual culture since 1945. Exploration of stylistic migrations across cultural boundaries. Close analysis of works of art will be complemented with the study of key texts in related art theory and criticism. This course explores the movements that have shaped and defined the ways in which we look and think about art today. *3 credits.*

ARMS 6502 The Interpretation of Art

The methodology of visual interpretation, (i.e., ways to determine what and how art signifies). Includes interpretive and critical approaches to art, such as Panofskian iconology, semiology, social history, political history, feminism, psychoanalysis and reception theory. The major assignment will be interpreting a work of art on several different levels. *3 credits.*

ARMS 6503 The Discriminating Eye

The role of art as object by dealing with issues of connoisseurship relative to the functions of the art museum – collecting, researching, conserving and exhibiting art. How the quality of an object is determined, how the selection of objects controls the impression of an artistic epoch and how museum collections have been shaped by these kinds of judgements. Art restoration and its effect on the integrity of objects also will be discussed. *3 credits.*

ARMS 6504 Survey of Museum Education

Students will develop information and skills needed to teach effectively in museum settings; they will design programs that incorporate current techniques and alternative learning possibilities. *3 credits.*

ARMS 6505 History and Theory of Museums

This course will survey the history of museums and introduce students to the complex theoretical discourse that has informed museums since their inception. Special attention will be given to the lively debate regarding the significance of museums that has gone on during the past two decades. Though the course will focus primarily on museums of art, it will also touch on history museums, historic houses, and museums of anthropology and natural history. *3 credits.*

ARMS 6506 African American Art

Overview of African American material culture and visual arts from colonial times to the present, including painting, printmaking, photography and sculpture. Close analysis of visual representations will go hand in hand with a discussion of key texts in art history and critical theory. Topics include the effects of patronage, the influence of class, gender and sexual orientation. Special interest in exploring how transatlantic travel and dislocation affected continuity and transformation in African American art practice and beyond. Regular class attendance, reading, oral participation, and engagement in classroom, museum field and online are *essential* for successful completion of course. *3 credits.*

ARMS 6600-6620 Seminars on Special Topics and Seminars Abroad *3 credits.***ARMS 6607 The Museum: An Environment for Education**

Implementation of learning theories in the museum environment. Attention will be given to age-appropriate activities derived from discipline based art education and multiple intelligence theories as they relate to culturally diverse audiences. *3 credits.*

ARMS 6611 Museum Education in the 21st Century

Education is a vital component of the mission statement of every museum. There are new standards to be met in the 21st century involving audience response, audience creativity, community involvement and partnerships. Issues such as these will be addressed in this course. *3 credits.*

ARMS 6802 Object Care for Collection Managers

The basics of care and preservation of art objects in such major categories as paintings, works on paper, furniture, textiles, metals and ethnographic objects. *3 credits.*

ARMS 6803 Museum Registration I

Among the major topics addressed are: care and management of museum collections, administrative duties, ethics and accountability, legal issues, storage and handling, acquisitions, loans, transportation of works, art theft, risk management, authentication and appraisal. *3 credits.*

ARMS 6804 Museum Registration II

Students acquire basic knowledge of curatorial skills through personal involvement and observation of the actual planning and implementation of an exhibition. Topics include design, budget, interpretive material, registration, conservation, lighting and promotion. *3 credits.*

ARMS 7002 Producing an Exhibition

Topics include choosing an exhibition; selecting works of art; researching and interpreting each object; arranging for loans, insurance and installation, preparing a catalogue and curatorial lecture; training docents, defining the outreach audience; and arranging tours. *3 credits.*

ARMS 7005 Museum Technologies

Information technologies prompt museums to rethink the ways in which they manage and exhibit their collections. Just as corporations, agencies, and universities reinvent operations in response to technological innovation, museums must meet these challenges in creative manners. The profusion of sophisticated museum Web sites and breathtaking "virtual exhibitions" contrasts sharply with growing discontent among professionals over lacking information standards, insufficient data storage systems, and widely differing policies regarding collection accessibility. Do "virtual exhibits" increase visitorship or will they substitute museum visits one day? Course explores institutional impact of technology by charting the practical application of knowledge in various areas of the museum. Guest lectures and site visits facilitate assessment of traditional methods and innovative tools in the museum. *3 credits.*

ARMS 7003-7009 Museum Topics

Among the topics addressed are exhibition design, museum leadership and risk management. These course offerings will vary. *3 credits.*

ARMS 7800 Internship

A 200-hour internship in a museum or related institution (pertinent to a student's chosen track) carefully monitored by a faculty member and a member of the museum staff. Students will keep a detailed log of activities; an evaluation of performance will be expected. *3 credits.*

ARMS 8000 Master's Project

The master's project is chosen at the end of the second semester with the approval of a faculty adviser and a selected committee to evaluate and approve the final submission. Possible projects are: a graduate research paper that develops a thesis based on original research and findings on a museological topic; a project based on the educational mission and performance of a museum emphasizing current practice and new trends; or, a project relevant to current and future roles of the museum, such as advanced technology related to electronic imaging and computer-originated programming. *3 credits.*

Department of Asian Studies

Fahy Hall
(973) 761-9464
artsci.shu.edu/asian

Faculty: Brown; Leung (*Graduate Adviser*); Mattos (*Chair*); Osuka.
Faculty Emeriti: Blakeley; Kikuoka; Ma; Yang; Young.

The Department of Asian Studies offers graduate courses leading to the degree Master of Arts. The department also cooperates with the Stillman School of Business in offering a Certificate in International Business and a five-year Bachelor of Arts/Master of Business Administration program.

In cooperation with The Asia Center, the department conducts research on East Asia, sponsors conferences, conducts summer institutes and carries on a program of publication.

The Department of Asian Studies also offers a limited number of teaching assistantships in Chinese and Japanese languages.

General Admission

In addition to the general University requirements for admission to graduate studies, candidates for admission to the M.A. program of the Department of Asian Studies should show a strong background in Asian studies or in one of the disciplines in which the department offers courses.

Degree Requirements

In addition to the general University and College requirements, the Department of Asian Studies requires candidates to complete the following:

I. Required Core Courses (21 credits):

Traditional East Asia (12 credits)		
<i>China (6 credits)</i>		
ASIA 6140	Survey of Chinese Civilization	3
<i>and one of the following:</i>		
ASIA 6141	Foundations of Chinese Civilization	3
ASIA 6142	Development of Chinese Civilization	3
ASIA 6143	Maturity of Chinese Civilization	3
<i>Japan (6 credits):</i>		
ASIA 6121	History and Culture of Japan I	3
ASIA 6122	History and Culture of Japan II	3
Modern and Contemporary East Asia (6 credits):		
ASIA 6145	Modern East Asia	3
ASIA 6146	Contemporary East Asia	3

Research Methodology (3 credits):

ASIA 9111	Research Methods in Asian Studies	3
		Total: 21

II. Elective Courses:

Elective courses will be chosen from the department's course offerings by the student, in consultation with the graduate adviser, in such a way as to constitute an integrated program of study.

Non-thesis option: (18 credits)**Thesis option: (15 credits)**

Students requesting faculty recommendations for Ph.D. studies are required to write a thesis. Such students shall register for ASIA 9200 Thesis Research under the guidance of a thesis mentor.

Total Credits: 36 (with thesis) 39 (without thesis)

Course Descriptions

Chinese Language

CHIN 6111-6114 Graduate Chinese Conversation and Composition I-IV

Advanced conversation practice and an introduction to composition and translation with emphasis on practice and exercise. *12 credits.*

CHIN 6115-6116 Graduate Readings in Classical Chinese I-II

Introduction to classical Chinese through selected readings with emphasis on classical grammar and syntax. *6 credits.*

CHIN 6117-6118 Graduate Readings in Modern Chinese I-II

Advanced readings in modern Chinese with emphasis on the social sciences and humanities. *6 credits.*

CHIN 6120-6121 Graduate Chinese Newspaper Readings I-II

Selected readings in journalistic writings, including materials from newspapers and magazines. *6 credits.*

CHIN 6125 Readings in 20th-Century Chinese Literature

Selected readings from 20th-century Chinese literature, including prose, poetry, drama and fiction. *3 credits.*

Japanese Language

JAPN 6111-6112 Graduate Modern Japanese I-II

Advanced reading and discussion of modern written Japanese in the various disciplines such as literature, history, sociology and political science. *6 credits.*

JAPN 6113-6114 Japanese Newspaper Readings I-II

Readings in Japanese newspapers with a mastery of 1,000 highest-frequency character-compounds. *6 credits.*

Asian Affairs, History, Culture and Literature

ASIA 6111 Asian Religions and Ecumenical Dialogue

Rich spiritual experience and tradition of India, China and Japan in dialogue with the spiritualities of the West. *3 credits.*

ASIA 6112 Spiritual Quests of India

Emphasis on the Vedas, Upanishads, Yoga, the Bhagavad-Gita, sectarianism, the bhakti cults, the enlightenment of the Buddha and the experience of the early Theravada community. Introduction to Jainism, Sikhism and Sufism. *3 credits.*

ASIA 6113 Philosophical-Spiritual Probing of China

The intellectual and spiritual foundations of China are explored. Confucius, Lao Tzu, Chuang Tzu, Chu Hsi and Wang Yang-Ming are studied in depth. *3 credits.*

ASIA 6114 Chinese and Japanese Buddhism

The Mahayana experience, from its Indian origins through its development in China and Japan. The Ten Schools and the various Japanese forms, with emphasis on Ch'an-Zen and Amidism. Buddhist influence on art and culture. *3 credits.*

ASIA 6115 Classical Chinese Literature

Knowledge of Chinese is not required. Surveys the Chinese literary tradition in translation from the Confucian classics to the Sung dynasty. *3 credits.*

ASIA 6116 Modern Chinese Literature

Knowledge of Chinese is not required. Surveys Chinese literature from the Sung period to contemporary times. *3 credits.*

ASIA 6121-6122 History and Culture of Japan I-II

Examination of Japanese historical and cultural developments from ancient times to World War II. *6 credits.*

ASIA 6123-6124 History and Culture of India I-II

Survey of the formation of India from prehistoric times up to the present day. *6 credits.*

ASIA 6129 History of Republican China

History and political developments in China from the Republican Revolution of 1911 to 1949. *3 credits.*

ASIA 6130 History of Contemporary China

Traces the history of Communist China from the founding of the Chinese Communist Party to the present day. *3 credits.*

ASIA 6131 International Politics in the Far East

Analysis of major events in the international politics of the Far East during the 20th century. *3 credits.*

ASIA 6132 American Foreign Policy in Asia

Historical development of American foreign policy in Asia; analysis of the institutions and political and economic forces that shaped policy toward China, Japan, India and Southeast Asia. *3 credits.*

ASIA 6133 History of Modern Japan

Survey of Japanese history after the Meiji era with emphasis on political, social and economic developments. Japan's foreign policy since 1945. *3 credits.*

ASIA 6140 Survey of Chinese Civilization

General overview of the major trends in the development of Chinese culture, from the beginning to 1800. *3 credits.*

ASIA 6141 Foundations of Chinese Civilization

In-depth consideration, through lecture, reading and discussion, of the formulation of the central features of Chinese culture, from the Neolithic through the Han dynasty. *3 credits.*

ASIA 6142 Development of Chinese Civilization

In-depth consideration of the changes in Chinese culture, from the Period of Disunion through the Sung period. Lecture, reading and discussion. *3 credits.*

ASIA 6143 Maturity of Chinese Civilization

In-depth consideration of the changes in and the solidification of Chinese culture from the Yuan period to ca. 1800. Lecture, reading and discussion. *3 credits.*

ASIA 6145 Modern East Asia

Covering the modern period between 1800 and 1945, this interdis-

ciplinary course deals with East Asia's modern transformation and important aspects of political, economic, social and cultural developments in China, Japan and Korea. *3 credits.*

ASIA 6146 Contemporary East Asia

Covering the contemporary period since the end of World War II, this interdisciplinary course deals with important aspects of political, economic, social and cultural developments in East Asia and its changing roles in international politics and economics. *3 credits.*

ASIA 6211 Multinational Corporations in the Asian Market

Marketing and other aspects of American business operations in the Asian market. U.S.-Asia trade with emphasis on the operations of U.S. multinational corporations and their marketing strategies in Asia. Aspects of international economics, marketing and international politics affecting U.S.-Asia trade; ethical, financial, social, economic, political, legal and other issues affecting U.S. operations in Asia. Foreign trade policies and regulations and the marketing of Asian and American products. *3 credits.*

ASIA 6212 Management of Foreign Operations

The special circumstances under which an American firm operates abroad: social customs, political environment, and linguistic and cultural problems. Economic, financial, legal and management issues peculiar to foreign operations. Analysis of problems in foreign exchange, international finance and marketing, and human resources management. The management of foreign investment, joint ventures and foreign subsidiaries. Technology transfer, foreign trade operations, and protection of intellectual property abroad. International economic policy, international corporate financial management and variations in the organizational structure of MNCs. Selected international business cases are discussed. *3 credits.*

Linguistics and Teaching Methods

ASIA 7111-7112 Introduction to Language and Communication I-II

General concepts of language and communication. The relationship between language and the brain. Sounds and system of sounds. Word formation and combination of words into sentences and beyond. Meaning of linguistic forms; the relationship of language, culture and society. Contributions of linguistics to language learning and teaching, bilingual education, stylistics, anthropology and the art of communication. *3 credits each.*

ASIA 7113-7114 Chinese Linguistics I and II

Study of Chinese sounds, system of sounds, word formation, combination of words into sentences and beyond. Communicative functions of the Chinese language. The relationship between Chinese linguistics and teaching Chinese as a second/foreign language; contrastive and error analyses and ESL; Chinese bilingual education. *3 credits each.*

ASIA 7116 Applied Linguistics

Application of discoveries from theoretical, psycho-, neuro- and sociolinguistics to first and second language learning and teaching, and to bilingual education. *3 credits.*

ASIA 7118 Supervised Teaching of Chinese and Japanese

Student teaching of Chinese or Japanese under faculty supervision. Emphasis on teaching methods and critical discussion of performance. *3 credits.*

ASIA 7124 Methods of Teaching Chinese and Japanese

Trends in methodology, basic theories concerning language and its teaching. Aims to develop the skills and special techniques necessary for good teaching and the use of the language laboratory. *3 credits.*

Research and Directed Studies

ASIA 9111 Research Methods in Asian Studies

Research methodology. Evaluation of sources and other problems involved in the preparation of the master's thesis. *3 credits.*

ASIA 9112-9119 Selected Topics in Asian Studies

Advanced research (seminar or pro-seminar) on focused topics in Asian Studies. *3 credits each.*

ASIA 9190-9199 Directed Graduate Asian Studies

Readings under faculty supervision. *3 credits each.*

ASIA 9200 Thesis Research

Designed to help students develop research capabilities in order to write masters theses under the supervision of mentors. This course will provide research supervision to those engaged in thesis writing on an individual basis. Not a lecture course. *3 credits.*

Department of Biology

McNulty Hall
(973) 761-9044
artsci.shu.edu/biology

Faculty: Ahmad; Bentivegna (*Graduate Adviser, Biology*); Blake (*Graduate Adviser, Neuroscience*); Chang (*Chair*); Glenn; Hsu; Ko; Krause (*Graduate Adviser, Microbiology*); Moldow; Rawn.

Programs of Study

The Department of Biology offers two graduate programs: Master of Science in Biology (also available with a Neuroscience track) and Master of Science in Microbiology. The master's degree in biology has three programs of study: Plan A, with thesis, and Plans B and C, without thesis. Plan A is recommended for students who intend to continue their studies at the doctoral level or pursue a career in research; Plan B is primarily a coursework oriented degree program; Plan C, with a component in business administration courses, is for students who are interested in acquiring knowledge about the technical aspects as well as the business aspects of the biological and pharmaceutical industries.

The master's degree in microbiology has two programs of study: Plan D, with thesis, and Plan E, without thesis. Plan D is recommended for students who intend to continue their studies in microbiology/biotechnology at the doctoral level or pursue a career in research; Plan E is primarily for students wishing a course work-oriented degree program.

The master's degree in biology with a neuroscience track has two programs of study: Plan F, with research thesis, and Plan G, with library thesis. Plan F is recommended for students who intend to continue their studies at the doctoral level or pursue a career in research; Plan G is primarily a course work-oriented degree option.

When entering the program all students should obtain a copy of Information and Regulations for Matriculating Graduate Students in Biology (also available with a Neuroscience track) and Microbiology from the graduate adviser. A brochure containing research interests of faculty members also is available.

General Academic Requirements

Academic deficiencies must be made up during the first year of graduate study and before taking graduate courses for which the deficiency areas are prerequisites; these courses will not be credited toward the graduate degree.

Admission as a non-matriculated student (limited to 12 credits) may be granted pending the evaluation of an application submitted after the admission deadline.

General Admission for Biology Program

In addition to the general University requirements for admission to graduate studies, the Department of Biology requires a B.S. in a biological science or related science; a minimum of 24 credits in biology with adequate laboratory time; 16 credits in chemistry, including organic, with adequate laboratory time; 8 credits of physics with laboratory; and 8 credits in mathematics covering algebra, analytic geometry and basic calculus.

Submission of Graduate Record Examination score (aptitude test) is required. If baccalaureate degree was earned in the United States more than five years ago, or if GPA is 3.00 or better, on a 4.00 scale, from a college or university in the United States, a waiver of this requirement may be requested.

Degree Requirements in Biology Programs

In addition to the general University and College requirements for the degree, the Department of Biology requires the candidate to do the following:

Plan A – With Thesis

1. Complete a total of 31 credits, as follows:

10 credits:

BIOL 6113 Biostatistics

BIOL 9190 Biology Seminar

BIOL 9192-9193 Research for Master's Thesis I-II

21 credits in graduate biology courses*; at least half of these must have a laboratory component.

2. Make an oral presentation of thesis to Graduate Biology Seminar

3. Submit an acceptable thesis based on laboratory research three months before the expected degree completion date with an oral defense two weeks before the expected degree completion date.

Plan B – Without Thesis

1. Complete a total of 34 credits, as follows:

4 credits:

BIOL 6113 Biostatistics

BIOL 9190 Biology Seminar

1 credit from any Selected Topics course

29 credits in graduate biology courses*; at least half of these must have a laboratory component.

2. Prepare a library research paper in conjunction with Selected Topics course. Selected Topics must be taken two semesters before expected completion of degree. Oral presentation of research results is to be made during the last semester in the Graduate Biology Seminar.

Plan C – Without Thesis (Minor in Business Administration)

1. Complete a total of 34 credits, as follows:

4 credits:

BIOL 6113 Biostatistics

BIOL 9190 Biology Seminar

1 credit from any Selected Topics course

14 credits in graduate biology courses*; at least half of these must have a laboratory component.

15 credits from the following courses:

BMIS 6701 Management Information Systems

BLAW 6301 Legal and Social Environment of Business

BACC 6101 Financial Accounting

BMKT 6603 Marketing Strategies

BMGT 6503 Management and Organizational Behavior

ECON 6402 The National Economy



2. Prepare a library research paper in conjunction with Selected Topics course. Selected Topics must be taken two semesters before expected completion of degree. Oral presentation of research results is to be made during the last semester in the Graduate Biology Seminar.

**Graduate biology courses may be taken from the biology or microbiology course list.*

General Admission for Microbiology Program

In addition to the general University requirements for admission to graduate studies, the Department of Biology requires a B.S. in either biological science or chemistry, including courses in genetics, microbiology and organic chemistry. Students who do not meet these requirements may be admitted on a probationary basis and must make up course deficiencies before starting the program. Submission of GRE scores (Aptitude and Advanced Biology) is highly recommended.

Degree Requirements in Microbiology Program

In addition to the general University and College requirements for the degree, the Department of Biology requires the candidate to do the following:

Plan D – With Thesis

1. Complete a total of 31 credits:

10 credits:

BIOL 6113 Biostatistics
BIOL 9190 Biology Seminar

BIOL 9192-9193 Research for Master's Thesis I-II

16 credits from the Microbiology Course Group; at least half of these must have a laboratory component.

3 credits from either BIOL 6234 Molecular Biology, BIOL 6233 Metabolic Pathways or CHEM 6501 General Biochemistry

2 credits from either Microbiology Course Group or Biology Course Group

2. Make an oral presentation of thesis to Graduate Biology Seminar.

3. Submit an acceptable thesis based on laboratory research three months before the expected degree completion date with an oral defense two weeks before the expected completion date.

Plan E – Without Thesis

1. Complete a total of 34 credits:

4 credits:

BIOL 6113 Biostatistics
BIOL 9190 Biology Seminar

21 credits from the Microbiology Course Group; at least half of these must have a laboratory component.

1 credit from either of the following:

BIOL 7291 Selected Topics in Molecular Biology
BIOL 7292 Selected Topics in Immunology
BIOL 7491 Selected Topics in Microbiology
BIOL 7492 Selected Topics in Virology

3 credits from either:

BIOL 6234 Molecular Biology,
BIOL 6233 Metabolic Pathways or
CHEM 6501 General Biochemistry.

5 credits from either Microbiology Course Group or Biology Course Group.

2. Prepare a library research paper in conjunction with Selected Topics course. Selected Topics must be taken two semesters before the expected completion of degree. Oral presentation of research results is to be made during the last semester in the Graduate Biology Seminar.

Degree Requirements in Biology Program with a Neuroscience Track

In addition to the general University and College Requirements for the degree, the Department of Biology requires the candidate to do the following to be awarded a Master's of Science in Biology with a Neuroscience Track:

Plan F - Research Thesis

1. Complete 31 credits from the following groups of courses:

Group I - Core Requirements (12 credits):

BIOL 6115	Fundamentals of Neuroscience	3
BIOL 6213	Recombinant DNA Technology Lab	2
BIOL 6231	Molecular Biology	3
BIOL 6355	Methods in Neuroscience	3
BIOL 9190	Biology Seminar	1

Group II - Electives (to be selected from the following to complete 13 credits):

BIOL 6113	Biostatistics	3
BIOL 6242	Immunology	3
BIOL 6243	Immunology Lab	2
BIOL 6323	Vertebrate Endocrinology	3
BIOL 6325	Introduction to Pharmacology	3
BIOL 6326	Vertebrate Physiology	4
BIOL 6333	Cell Culture Techniques	3
BIOL 6334	Developmental Biology	3
BIOL 6369	Cancer Biology	3
BIOL 7226	Signal Transduction	3
BIOL 7228	Fundamentals of Toxicology	3
BIOL 7291	Selected Topics in Molecular Biology	1
BIOL 7292	Selected Topics In Immunology	1
BIOL 7492	Selected Topics In Virology	1
BIOL 7493	Selected Topics In Neuroscience	1

2. Group III - Thesis (6 credits):

BIOL 9192-9193	Research for Master's Thesis I, II	6
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3. Oral presentation of thesis at a Graduate Biology Seminar.

4. Submission of an acceptable thesis based on laboratory research at least three months prior to expected completion of degree; an oral defense two weeks before the expected degree completion date.

Plan G - Library Thesis

1. Complete 34 credits from the following groups of courses:

Group I - Core Requirements (12 credits):

BIOL 6115	Fundamentals of Neuroscience	3
BIOL 6213	Recombinant DNA Technology Lab	2
BIOL 6231	Molecular Biology	3
BIOL 6333	Cell Culture Techniques	3
BIOL 6335	Methods in Neuroscience	3
BIOL 7291	Selected Topics in Molecular Biology	1
BIOL 9190	Biology Seminar	1

Group II - Electives (to be selected from the following to complete 21 credits):

BIOL 6113	Biostatistics	3
BIOL 6242	Immunology	3
BIOL 6243	Immunology Lab	2
BIOL 6323	Vertebrate Endocrinology	3
BIOL 6325	Introduction to Pharmacology	4
BIOL 6326	Vertebrate Physiology	4
BIOL 6334	Developmental Biology	3
BIOL 6369	Cancer Biology	3
BIOL 7226	Signal Transduction	3
BIOL 7228	Fundamentals of Toxicology	3
BIOL 9191	Special Topic in Biology Research	2

Group III - Library Thesis (1 credit):

Selected topics in Neuroscience must be taken two semesters before expected completion of degree.

BIOL 7493	Selected Topics in Neuroscience	1
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2. Oral presentation of Library Thesis at a Graduate Biology Seminar.

3. Prepare a library research paper in conjunction with Selected Topics in Neuroscience. This course must be taken two semesters before expected completion of degree.

Seminar Requirements

Students are required to attend seminar for a minimum of four semesters. Students should register for seminar the semester in which they present library research or final laboratory research results.

Course Descriptions

***Course names followed by two asterisks are the microbiology elective courses.*

BIOL 6113 Biostatistics

Elementary statistical methods as applied to experimental biology. Topics include hypotheses testing, probability and chi-square, linear regression and correlation, analyses of variance, nonparametric statistics and bioassay. Introduction to use of computers in analysis of biological data. *3 credits.*

BIOL 6216 Recombinant DNA Technology Laboratory**

Basic techniques used in recombinant DNA studies. Hands on experience with DNA isolation, hybrid plasmid production, restriction mapping and clone selection and characterization. Lecture will focus on theory and applications of recombinant

DNA technology, including: vector design, PCR strategies, bioinformatics and DNA structure. Prerequisite: Genetics, Microbiology or Biochemistry. *3 credits.*

BIOL 6115 Fundamentals of Neuroscience

This introductory course provides an overview of the structure and function of the human nervous system. Emphasis is placed on understanding the cellular and molecular mechanisms underlying neural transmission, connectivity, integration of the sensory motor systems, cognitive functions and behavior. *3 credits.*

BIOL 6214 Cytogenetics and Biochemical Genetics

General survey of recent advances in genetics with emphasis on mammalian genetics. Cytogenetic topics include karyotyping and culture techniques, chromosomal aberrations as associated with human genetics and cancer, somatic cell hybridization and genetic probes used in mapping. Biochemical genetics includes hemoglobin, isozymes, inborn errors of metabolism, application of genetic engineering to medical genetics. Offered in alternate years. *4 credits.*

BIOL 6233 Metabolic Pathways in Living Systems**

Synthesis and degradation of organic molecules in living systems with emphasis on integration and regulation of pathways. Stresses the human organism and medical aspects of metabolism. Includes metabolic activities restricted to plants and microorganisms. *3 credits.*

BIOL 6234 Molecular Biology**

Study of structure and function of macromolecules. Prokaryotic and eukaryotic genome. Bacterial and bacteriophage genetics, mutation and gene expression. Genetic code, transcription, translation and the regulatory systems. Replication of viruses, genetic programming and biotechnology. Review of research papers and discussion of current topics. A term paper is required. *3 credits.*

BIOL 6242 Immunology**

Principles of recognition, memory and specificity. Structural basis of antigenicity. Development of the immune system. Structure function and genetics of immunoglobulins, gammopathies and monoclonal antibodies. T-cell receptors and MHC antigens. Activation of lymphoid cells, tolerance, autoimmunity and regulation of the immune system. Complement system, aspects of clinical and diagnostic immunology, tissue typing and immunogenetics. A term paper is required. *3 credits.*

BIOL 6243 Immunology Laboratory**

Laboratory exercises designed to illustrate the immunological principles of recognition and specificity; invitro and invivo antigen-antibody reactions; identification and quantitation of immunoglobulins; tests to illustrate the principles of immunochemistry and immunopathology; cell culture study; hybridoma technique and monoclonal antibodies. Pre- or corequisite: BIOL 6242. *2 credits.*

BIOL 6323 Vertebrate Endocrinology

Role of hormones in coordinating homeostasis. Emphasis on neuroendocrinology, including functional neuroanatomy and neurochemistry. Study of the mechanism of action of hormones at the cellular and molecular levels. Review and analysis of current literature. *3 credits.*

BIOL 6325 Introduction to Pharmacology**

Fundamentals of drug distribution, biotransformation and excretion (pharmacokinetics), dose-effect relationships and drug-receptor relationships. Major emphasis on basic mechanisms of selected drug actions and effects at the cellular, organ and system

levels (pharmacodynamics). Concepts and examples of drug structural-activity relationships. Reviews of relevant physiology when required for a more complete understanding of mechanisms of drug action. *3 credits.*

BIOL 6326 Vertebrate Physiology

A comprehensive coverage of the physiology of cells, organs and organ systems with emphasis on the underlying biophysical and biochemical principles of function. Organ systems including nerve, muscle, cardiovascular, respiratory and renal are examined from the standpoint of their regulation and role in maintenance of homeostasis. *4 credits.*

BIOL 6333 Cell Culture Techniques**

Discussion and practical application of the in vitro cultivation of animal cells including both general and specific techniques for obtaining, growing and maintenance of primary and clonal cultures. *3 credits.*

BIOL 6334 Developmental Biology

Examination of the mechanisms involved in the emergence of pattern, form and function during the life cycles of organisms. Topics include differential control of gene expression, nucleocytoplasmic interactions, factors and interactions responsible for determining pattern and cell fate, and cellular behaviors responsible for morphogenesis. Prerequisites: Genetics and Cell Biology; Embryology is recommended. *3 credits.*

BIOL 6335 Methods in Neuroscience

The participants in this course will become acquainted with basic concepts and techniques commonly used in Neuroscience to study the organization of neurons, their signaling pathways, and the mechanisms of synaptic transmission, in order to better understand the workings of the human brain. The course consists of 14 modules, 3-5 research articles, and student proposals and presentations. *3 credits.*

BIOL 6369 Cancer Biology**

This course brings together and puts into perspective a large body of knowledge about cancer, cancer research and cancer treatment. Specifically, this course will first explore microevolutionary processes to illustrate the nature of cancer and the natural history of the disease from a cellular standpoint. The molecular genetics of cancer will then be dissected to understand how abnormalities in any of the different intracellular signaling pathways of the system can lead to development of cancer. This course will also include a discussion of various cancer treatment approaches to illustrate how basic research translates to clinical aspects of cancer treatment. *3 credits.*

BIOL 6412 Animal Virology Lecture**

Basic principles of the virus-host cell relationship presented by lectures and student discussion of recent publications. Topics include mechanisms of viral replication, viral-mediated genetic transfer, viral-induced host changes, including neoplasia and immunologic procedures fundamental to virology. Offered in alternate years. *3 credits.*

BIOL 6415 Mycology**

Study of structure, development, physiology and taxonomy of fungi. Includes secondary metabolism and fungal nutrition, as well as a consideration of the place of fungi in medicine, agriculture, ecology and research. Offered in alternate years. Prerequisite: Permission of instructor. *4 credits.*

BIOL 6421 Microbial Physiology**

The normal life functions of microorganisms. The metabolism of *E. coli*, anaerobes, sulfur bacteria and photosynthetic bacteria as well as one-celled eukaryotes. Emphasis on general principles of physiology and the diversity of microbial solutions to physiological stresses. Includes lectures, text and reading, and discussion of original literature. Offered in alternate years. *3 credits.*

BIOL 6431 Microbial Genetics**

Examination of the mechanisms of genetic recombination in microorganisms. Genetic changes in microorganisms and the resulting alterations in their biochemical and physiological features. *3 credits.*

BIOL 6641 Microbial Ecology Laboratory**

Emphasis on techniques for the enrichment, isolation and purification of microorganisms from natural environment. Use of Winogradsky enrichment and anaerobic culture technique. Offered in alternate years. Prerequisite: Microbiology and Metabolic Pathways or Biochemistry. *2 credits.*

BIOL 7226 Signal Transduction**

Course brings together and puts into perspective a large body of knowledge about intracellular signaling systems as well as cell-cell communication. Explores mechanisms underlying the finely balanced interactions between the different signaling pathways, which ensure that cellular responses occur. Examines how abnormalities in any of the components of the system can lead to a variety of diseases, including cancer. Included is a discussion of the molecular mechanisms of cellular adaptation and dependence. Prerequisite: Cell Biology or Biochemistry. *3 credits.*

BIOL 7228 Fundamentals of Toxicology**

Principles of toxicology; testing procedures used in toxicology studies, including carcinogenesis, mutagenesis, teratogenesis and immunotoxicology; studies of individual target organs such as the liver and kidney and systems such as cardiovascular, respiratory, nervous and reproductive; studies of risk assessment of toxic substances, such as food additives and pesticides. Prerequisite: Vertebrate Physiology or permission of instructor. *3 credits.*

BIOL 7244 Cellular Immunology**

Advanced immunology course to further understanding of the immunological principles at the cellular and molecular levels. Study of immunocompetent cells, cell culture and cellular interactions; role of interleukins and other factors in initiation of the immune response; regulatory systems and immune networks. Review of research papers and discussion of current topics. Offered in alternate years. Prerequisite: BIOL 6242 or permission of instructor. *3 credits.*

BIOL 7291 Selected Topics in Molecular Biology

Individualized study of a specific topic in molecular biology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7292 Selected Topics in Immunology

Individualized study of a specific topic in immunology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7293 Selected Topics in Genetics

Individualized study of a specific topic in genetics to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7391 Selected Topics in Physiology

Individualized study of a specific topic in physiology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7392 Selected Topics in Endocrinology

Individualized study of a specific topic in endocrinology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7393 Selected Topics in Developmental Biology

Individualized study of a specific topic in developmental biology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7423 Industrial Microbiology**

Selection, genetic engineering and utilization of microorganisms in the production of food and drink, pharmaceuticals, chemicals and in agriculture. Emphasis on current techniques used in industry, and the principles and rationale guiding new developments that may become industrial processes of the future. Offered in alternate years. Prerequisites: Microbiology and Biochemistry or Metabolic Pathways. *3 credits.*

BIOL 7491 Selected Topics in Microbiology**

Individualized study of a specific topic in microbiology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7492 Selected Topics in Virology

Individualized study of a specific topic in virology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7493 Selected Topics in Neuroscience

Individualized study of a specific topic in neuroscience to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 7591 Selected Topics in Toxicology

Individualized study of a specific topic in toxicology to be arranged between instructor and student. Student will research topic and develop a library research paper analyzing current research on the topic. It is required that an oral presentation of the paper will be given during scheduled seminar (BIOL 9190) the following semester. *1 credit.*

BIOL 9190 Biology Seminar

Mandatory for all students. Students are required to attend seminar for a minimum of four semesters. All students are required to present at least one seminar during this period. Those enrolled in the non-thesis option also will write a library research report, a semester before their presentation. Students must register for this course after attending the seminar for a minimum of four semesters and in the semester they present a seminar based on their laboratory research or laboratory research reports. *1 credit.*

BIOL 9191 Special Topics in Biological Research

Subject and hours to be arranged. Credit for this course may be obtained only once. Prerequisite: permission of department graduate adviser. *2 credits.*

BIOL 9192-9193 Research for Master's Thesis I-II.

Credit given at completion of project. *3 credits each.*

Department of Chemistry and Biochemistry

McNulty Hall
(973) 761-9414
artsci.shu.edu/chemistry

Faculty: Fadeev; Hanson; Huchital; Kazakevich; Kelty; Maloy; Marzabadi; Murphy; Sheardy (*Chair*); Snow (*Associate Chair*); Sowa (*Co-op Adviser*).

The Department of Chemistry and Biochemistry offers graduate courses in various areas of chemistry leading to the degrees of Master of Science and Doctor of Philosophy. These programs are open to full-time and part-time students.

Programs of Study

The Doctor of Philosophy and four programs of study for the master's degree are available: Plan A, with thesis, and Plans B, C and D, without thesis. Students actively pursuing work toward the Ph.D. degree and who have passed the matriculation examination for that degree may follow Plan B. Plan C is primarily for students not interested in a research-oriented degree program; Plan D, with a component in business administration courses, is for students interested in increasing their capabilities and knowledge of business, as well as the technical aspects of the chemical and pharmaceutical industries.

A brochure containing a description of chemistry graduate courses and research interests of faculty members and other pertinent information will be sent on request or access the department Web page at artsci.shu.edu/chemistry. Additional enrollment regulations pertaining to the graduate programs can be obtained from the Department of Chemistry and Biochemistry.

Admission

In addition to the general University requirements for admission to graduate studies, the Department of Chemistry and Biochemistry requires the following of all degree applicants:

- a minimum of 30 credits in chemistry, including a two-semester course in physical chemistry;
- a one-year course in physics;
- mathematics through differential and integral calculus; and
- three letters of recommendation from individuals competent to evaluate the applicant's scientific ability. These letters should be sent to the chair of the Department of Chemistry and Biochemistry.

Dates for submission of completed applications to graduate programs are:

July 1 Fall Semester

November 1 Spring Semester

Late applicants may be admitted as special students pending evaluation.

Financial Aid

The Department of Chemistry and Biochemistry offers a number of teaching assistantships for the academic year that are usually extended for the summer term to provide teaching and research support. A number of research fellowships also are available to students at the beginning of their second year of graduate study. Details are available from the department.

In addition to the assistantship or fellowship award, the Reverend Owen Garrigan Graduate Biochemistry Supplemental Award is given to an incoming student who will do graduate work in the biochemistry area. This award is available each year to supplement the stipend of one or more full-time biochemistry graduate students.

Seton Hall University is one of the beneficiaries of the Clare Booth Luce Fund, which supports women in science. Research fellowships for female graduate students are available on a competitive basis.

Courses at Other Universities

A student may enroll in another college to take courses for credit toward the degree at Seton Hall University only after obtaining the approval of the Graduate Advisory Committee, the department chair and the dean.

Distribution Requirement

Each student must take at least one course from four of the following five groups:

Analytical Chemistry:	CHEM 6201, 6203, 6204, 6205, 6206
Organic Chemistry:	CHEM 6301, 6303
Physical Chemistry:	CHEM 6401, 6402, 6403, 6404
Biochemistry:	CHEM 6501
Inorganic Chemistry:	CHEM 6601

The distribution requirement will normally be completed by the end of the third semester of full-time study or its equivalent.

Evaluations

After the course distribution requirements (one approved course in four of the five distribution areas) are completed, each student's performance in courses and seminar is evaluated by the faculty. The student is then:

1. advised to take the matriculation examination for Ph.D. candidacy; or
 2. advised to continue studies toward the master's degree (Plan A) with the possibility of reevaluation for Ph.D. candidacy after the attainment of the degree; or
 3. advised to continue studies toward the master's degree as a terminal degree; or
 4. required to discontinue study in the graduate degree programs in chemistry.
- Students may be evaluated earlier if their records so warrant.

Seminar Requirement

All students (thesis or non-thesis) must present a full formal seminar in the second or third year. This seminar will be graded by the faculty.

All full-time and those part-time students who have initiated a program of research give one seminar, or equivalent, each year.

Attendance and registration are required of all students at seminars during each semester of enrollment.

The Master of Science Degree

In addition to the general University and College requirements for the degree, the Department of Chemistry and Biochemistry requires the candidate to fulfill the seminar requirements as well as one of the following:

Plan A – With Thesis

1. *Complete the following:*

18 credits (minimum) in approved courses, including the distribution requirement.

1 credit in CHEM 6711

11 credits (maximum) in CHEM 8831-8840

30 credits total

2. Present an acceptable thesis based on research performed at the University.

3. Present a satisfactory oral defense of the thesis to the committee approved by the Graduate Advisory Committee for this purpose.

Plan B – Without Thesis (for Ph.D. candidates)

1. *Complete the following:*

29 credits (minimum) in approved courses, including the distribution requirement and other courses for the doctorate approved by the research mentor and the Graduate Advisory Committee. Any number of courses in the CHEM 8831-8840 sequence may be included in these approved courses, provided that an acceptable written research report is filed with the research mentor at the conclusion of this work. 1 credit in CHEM 6711. *30 credits total.*

2. Pass the matriculation examination for the Ph.D.

Plan C – Without Thesis

1. *Complete the following:*

12 credits in the distribution requirement.

21 credits (minimum) in additional approved graduate-level chemistry courses; up to 6 credits in the CHEM 8831-8840 sequence may be included in these approved courses provided that the Graduate Advisory Committee is notified of this intention before this research is initiated and that an acceptable written research report is filed with the research supervisor at the conclusion of this work. 1 credit in CHEM 6711. *34 credits total.*

Plan D – Without Thesis (Minor in Business Administration)

1. Complete the following:

12 credits in the distribution requirement

6 credits (minimum) in additional approved graduate-level chemistry courses

1 credit in CHEM 6711

15 credits in business administration* (taken in sequence):

BMIS 6701 Management Information Systems

BLAW 6301 Legal and Social Environment of Business

BACC 6101 Financial Accounting

BMKT 6603 Marketing Strategies

BMGT 6503 Management and Organizational Behavior

Total Credits: 34

*Substitutions may be made if the student presents evidence of recent satisfactory coursework. Business course descriptions appear in the School of Business section of this catalogue.

The Doctoral Degree

Matriculation

Students must pass a matriculation examination to qualify as matriculated doctoral students. To take this examination, the student must secure the permission of the mentor and have at least a "B" average in coursework. This examination is to be taken within 12 months of meeting the distribution requirement, unless an M.S. degree other than Plan B is first pursued. Should the examination not be passed, it may be repeated only once and within six months of the first examination.

The matriculation examination is oral and pertains to the proposed research problem. It is administered by a Matriculation Committee that comprises the mentor and four additional members of the faculty approved by the Graduate Advisory Committee.

Cumulative Examinations

After matriculating for the doctoral degree, the student is required to demonstrate mastery of the current literature in the chosen area of study through a series of cumulative examinations. Requirements for these examinations have been established by each division of the Department of Chemistry and Biochemistry.

Seminar Requirements

As part of the annual seminar requirement, all doctoral candidates present a full seminar during their final year on the subject of their research contributions.

Additional Degree Requirements

To fulfill the requirements for the doctoral degree, in addition to seminar and cumulative examination requirements described previously, the student must:

1. complete 70 credits distributed among research, course work and seminar. Students who enter the program with the M.S. degree shall be required to earn at least 40 additional credits before being granted the Ph.D. degree;

2. complete nine consecutive months of full-time enrollment after matriculation. This time should be used primarily to perform

research. Part-time students must secure the approval of the Graduate Advisory Committee before beginning residency;

3. petition the Dissertation Committee, which comprises the mentor and two members of the Matriculation Committee approved by the Graduate Advisory Committee, for permission to write a dissertation. Details concerning the granting of this permission are available from the department; and

4. present a dissertation based on the chosen research problem to the Dissertation Committee for its approval. For details, consult regulations available from the department.

The time limit for completion of the doctorate in chemistry spans a minimum of three years after entry into the graduate program to a maximum of five years after matriculation for the degree.

Course Descriptions

CHEM 6111 Introduction to Chemical Data Analysis

Extraction of chemical information from chemical data using numeric techniques will be introduced. Applications include statistics, sampling theory, smoothing, integration, differentiation, least squares, multicomponent analysis and roots of equations. Chemical topics will include NMR, UV-VIS, LC and GC, titrations and gravimetry. The course will apply to all areas of chemistry and require computer programming. *3 credits.*

Analytical Chemistry

CHEM 6201 Survey of Analytical Chemistry

Physico-chemical principles of laboratory experimentation and research: instrumental techniques for characterization and quantitative measurement, calculations of equilibria, statistical methods, separations, analytical uses of kinetics and principles of instrumentation and computerization. *3 credits.*

CHEM 6203 Electrochemical Methods of Analysis

Electrochemical principles and their applications to analysis: voltammetry, chronoamperometry, chronocoulometry and other controlled potential methods; chronopotentiometry and other controlled current methods; bulk electrolysis methods; other selected topics. *3 credits.*

CHEM 6204 Spectrochemical Methods of Analysis

The application of electromagnetic absorption and emission processes to the characterization of chemical systems. Emphasis on experimental techniques in all regions of the spectrum. *3 credits.*

CHEM 6205 Modern Separation Techniques

Principles and practice of chemical and physical separation methods, gas and liquid chromatography, electrophoresis, membrane separation methods, extraction, distillation. Theory, instrumentation and applications of each technique. *3 credits.*

CHEM 6206 Chemical Methods of Analysis

Rigorous development of the fundamental principles of analytical chemistry as applied to the classical methods of analysis: gravimetry; acid-base, redox and complexation titrimetry; separations; statistics. *3 credits.*

CHEM 6212 Statistics and Applied Analytical Chemistry

Principles of experimental design, statistics and analysis of data. Principles of data acquisition and interpretation and other aspects of applied analytical chemistry. *3 credits.*

CHEM 6217 Instrumentation Electronics

Treatment of modern electronics specifically intended for chemists. Includes transistors, operational amplifiers and devices for digital logic. *3 credits.*

CHEM 7299 Special Topics in Analytical Chemistry

Discussion of selected topics of current interest. *3 credits.*

Organic Chemistry**CHEM 6301 Theoretical Organic Chemistry I**

Correlation of structure and mechanism in organic chemistry. Major topics include bonding; aromaticity; substituent effects, including linear free energy relationships, kinetics and rate studies; isotope effects; solvent effects and solvent scales; nucleophilicity; acid and base catalysis. Specific reactions covered include additions to carbon-carbon multiple bonds, additions to carbonyls, acyl transfer reactions, conservation of orbital symmetry for electrocyclic reactions and cycloadditions. *3 credits.*

CHEM 6303 Synthetic Organic Chemistry

Reactions commonly used in the synthesis of organic compounds; discussion of their selectivity and stereochemistry and the extent to which they can be utilized in the preparation of complex materials. *3 credits.*

CHEM 7312 Theoretical Organic Chemistry II

Structure-reactivity relationships, reaction mechanisms, stereochemical aspects, and relevant rearrangements in organic systems involving carbocations, carbanions, free radicals, carbenes, eliminations, photochemistry and electron transfer (oxidation/reduction). Prerequisite: CHEM 6301. *3 credits.*

CHEM 7399 Selected Topics in Organic Chemistry

Discussion of selected topics of current interest. *3 credits.*

Physical Chemistry**CHEM 6401 Chemical Thermodynamics**

Laws of thermodynamics and their application to ideal and real systems; mixtures; solutions of electrolytes and non-electrolytes. Introduction to statistical thermodynamics. *3 credits.*

CHEM 6402 Chemical Kinetics

Treatment of experimental kinetic data; kinetic theory of gases and the collision theory of reaction rates; introduction to statistical mechanics and transition-state theory of reaction rates; chemical reactions in solution; complex chemical reactions; catalysis; stochastic processes. *3 credits.*

CHEM 6403 Atomic and Molecular Structure

Use of quantum theory in the study of the structure of atoms and molecules; theories of bonding in molecules; spectral and magnetic properties of atoms and molecules. *3 credits.*

CHEM 6404 Surface Chemistry

The fundamentals and the applications of solid surfaces and interfaces, including solid-vapor, solid-liquid and solid-solid will be covered. Advanced topics will include surface thermodynamics, adsorption, electronic structure of surfaces, surface modification and organic monolayers, and nanostructured materials. The course will review surface sensitive techniques including, XPS, FTIR, UPS, LEED, STM/AFM, Adsorption, and Contact Angles. The application of surface modified materials to separation science, wettability and adhesion control, optical and electronic devices will be discussed. *3 credits.*

CHEM 6411 Introduction to Polymer Chemistry

Classification of macromolecules; methods and mechanisms of polymerizations; methods of polymer characterization; properties of polymeric solids. *3 credits.*

Biochemistry**CHEM 6501 General Biochemistry I**

The course focus will be directed to selected aspects of the biomacromolecules (carbohydrates, lipids, proteins, enzymes, nucleic acids) involved in cell architecture and dynamics. Cell dynamics will be addressed from a molecular-level perspective, with emphasis on the fine-tuned interplay between the energetic and kinetic components of the main metabolic pathways. Prerequisites: CHEM 2312 and CHEM 3418 or equivalent. *3 credits.*

CHEM 7512 General Biochemistry II

Course deals with topics not usually covered in CHEM 6501, such as biosynthetic pathways, nucleic acid chemistry (including replication, repair, transcription, translation) and integration/chemical control of metabolism. Prerequisite: CHEM 6501 or equivalent. *3 credits.*

CHEM 7515 Proteins

Thematic coverage deals with purification, size, shape, structure and function, and the tools used to measure these characteristics. Representative proteins from current literature that serve a transport, catalytic, structural or regulator function are examined. An introduction to the interactive computer graphics display of protein structures is included. Prerequisite: CHEM 6501 or equivalent. *3 credits.*

CHEM 7516 Enzymes

Selected principles of catalysis and transition state theory, rate constant measurement and mechanisms are emphasized and developed using examples from current literature. Aspects of protein engineering are illustrated with examples drawn from site-directed mutagenesis studies and catalytic antibodies. Prerequisite: CHEM 6501 or equivalent. *3 credits.*

CHEM 7517 Aspects of Cell Chemistry

Discussion of topics taken from classical and current literature concerning the chemistry and biochemistry of subcellular organelles, including the origin of life, microbial metabolism, higher cells in culture, the structure and function of membranes, genetic transfer of information and control mechanisms. Prerequisite: permission of instructor. *3 credits.*

CHEM 7599 Special Topics in Biochemistry

Course is designed to provide in-depth coverage of one or a few restricted topics of current interest. Prerequisite: CHEM 6501 or equivalent. *3 credits.*

Inorganic Chemistry**CHEM 6601 Advanced Inorganic Chemistry I**

A survey of transition metal chemistry focusing on the structural and dynamic properties of transition metal complexes. The presentation begins with a discussion of ions and their environment followed by a description of the bonding theories for transition metal complexes. Electronic spectra, magnetism and reactivity of these molecules will be explained in terms of these bonding theories. Related topics of main group compounds, organometallic complexes and bioinorganic chemistry also will be covered. *3 credits.*

CHEM 7614 Kinetics and Mechanism in Inorganic Chemistry

Kinetics and mechanisms of substitution and oxidation-reduction reactions of octahedral and square planar coordination complexes. The theoretical and practical aspects of the determination of reaction rates and the establishment of the rate laws will be discussed. The presentation will include related topics, such as organometallic and bioinorganic mechanisms. *3 credits.*

CHEM 7618 Physical Methods in Chemistry

An advanced theoretical study of the electronic, magnetic and vibrational properties of transition metal complexes. Emphasis will be placed on the application of group theory to the molecular orbital and ligand field description of bonding, vibrational spectroscopy (including simple normal mode analysis) and magnetic susceptibility. The use of electrochemistry to study the stability and electron transfer chemistry of transition metal complexes also will be discussed. *3 credits.*

CHEM 7699 Special Topics in Inorganic Chemistry

Discussion of selected topics of current interest. *3 credits.*

Interdisciplinary**CHEM 6711-6720 Chemistry Seminar**

Discussion of current literature topics by staff and students. One credit for two semesters. *1 credit each.*

CHEM 7991-7996 Advanced Topics in Chemistry

Offers advanced topics in chemistry to meet the present and future needs of graduate students and other professionals in the surrounding chemical industry. Topics include chiral separations, asymmetric synthesis, medicinal chemistry and biotechnology. *1 credit each.*

CHEM 8831-8840 Introduction to Research

Acceptable written research report or thesis on work performed in these courses must be filed with the research supervisor in order to count these credits toward the requirements for any graduate degree. *2 credits each.*

CHEM 9931-9940 Research for the Doctorate

3 credits each.

Department of Communication

Master of Arts in Corporate and Public Communication

Kozlowski Hall, 5th Floor, Room 512

(973) 761-9490

artsci.shu.edu/gradcomm

E-mail: Labarbdc@shu.edu

Faculty: Hoffman; Kuchon; Lombardi (*Director*); Mahon; Reader (*Chair*); Rennie; Rosenblum.

The Department of Communication offers two Master of Arts degrees: an onsite program in Corporate and Public Communication and an online program in Strategic Communication and Leadership. These programs of study are designed to serve the needs of the manager, executive or professional communicator working in the public or private sectors. To learn more about the online Master of Strategic Communication and Leadership, please refer to the SetonWorldWide section of this catalogue or log on to www.setonworldwide.net

The onsite Master of Arts in Corporate and Public Communication combines the curricula and resources of the Department of Communication and other related programs in a cross-disciplinary course of study. Each student's program is developed with an academic adviser to meet individual academic and professional goals.

Application Procedures

The following items are needed for application to the program:

- the Graduate Admissions application;
- two letters of recommendation;
- official undergraduate/graduate transcripts;
- career goals essay; and
- test scores from the GRE, MAT or other standardized tests.

International Students Application Procedures

In addition to the above requirements, international students also must submit:

- TOEFL test scores.
- request for Certificate of Eligibility (Form I-20 AB); and
- Declaration and Certification of Finances.

Waivers/Transfer of Credits

All course waivers (including work experience) and transfer credits should be completed within the first academic year of attendance, and are subject to the review and approval of the program director.

Requirements

The Master of Arts in Corporate and Public Communication requires 45 credits distributed as follows:

I. 33 credits in corporate communication coursework, including the following required courses:

COMM 6000	Writing for the Organization and the Client	3
COTC 6100	Introduction to Organizational Communication	3

COST 7220	Effective Presentations	3
COMM 6110	Master's Level Experience/Internship (waiver available)	3
COTC 7110	Communication Research	3

II. 12 credits in an approved area of concentration (M.B.A., healthcare administration, nonprofit organization management, sport management, international business, higher education, administration, graphic design, integrated marketing communication or other approved professional sequence).

Required Courses

COMM 6000 Writing for the Organization and Client

Planning, organizing, writing and editing are examined in this class as interrelated phases of written organizational communication. Emphasis is on the types of writing required of managers (including proposals, reports and business recommendations). Writing in AP and APA styles is a key component. *3 credits.*

COMM 6110 Master's Level Experience in Corporate or Public Communication

Students must demonstrate two years' performance proficiency in a corporate, public or governmental workplace. Students needing professional experience should consult with their adviser to determine an appropriate setting and area of focus. Students with two or more years work experience may complete a work experience waiver form to the MACPC Director for approval. *3 credits.*

COST 7220 Effective Presentations

This class features a broad study of speaking and listening skills within corporations, and public and governmental agencies. Topics include: building a professional image, nonverbal code systems, corporate strategies and tactics, formal and informal speaking situations, preparation and delivery of spoken messages, analysis of speech qualities and improvement of individual speaking skills. *3 credits.*

COTC 6100 Introduction to Organizational Communication

This course examines the various aspects of organizational communication related to leadership and management. Analysis of work performance, sphere of influence, environmental analysis and the tenets of leadership communication are all centric focal points of the course. Additionally, practical strategies for utilizing targeted interviewing systems are covered pragmatically and in detail, augmented by mastery of specific systems. Training and development techniques and methods of enhancing organizational performance through effectual leadership communication are also explored in this comprehensive course. *3 credits.*

COTC 7110 Communication Research

This course is the first of the consecutive dayad courses for the Masters Thesis/Project capstone requisite of the MACPC Program. Students explore various research methods, ranging from traditional academic research to field applications and Internet-based data gathering, with the objective of identifying sources to support a student-generated thesis topic. The development of a relevant topic, mastery of appropriate presentation style, a comprehensive plan for the thesis and the completion of three chapters are class requirements. The successful completion of 24

credits taken no later than one semester prior to this course is the prerequisite. *3 credits.*

MACPC Electives

COGR 6323 Presentation Graphics

This course introduces students to the communication of information through visual symbols, including charts and graphics. Presentation, business and information graphics are taught within the context of professional and ethical standards using professional computer systems and software. *3 credits.*

COGR 6325 Computer Graphics Institute

This six-credit course features sophisticated typographic and design applications of electronic publishing systems and software. It covers the implementation and operation of electronic publishing systems, including professional-level software systems and input and output devices. Electronic publishing resources and procedures are discussed, including service bureaus and electronic file exchange. *6 credits.*

COGR 7320 Corporate Visual Imagery

In this class, students analyze the design and production of printed pieces for corporate, public and governmental agencies. The course focuses on: effective print design for organizational goals, planning a publications program and department, budgeting and dealing with printers and suppliers, designing and managing electronic publishing systems, and changing the corporate "look." *3 credits.*

COJR 7421 Specialized Promotional Writing

Writing and editing for internal and external target audiences are studied in this course. Writing for marketing promotion and advertising are examined extensively. Students learn to apply written solutions to organizational and/or client goals. *3 credits.*

COMM 6300 Change Management and Management Strategies

This course examines planning and managing communication techniques and resources as tools of management policy. Also explored is the role of the communication manager in shaping organizational goals and policy. The focus is on the practical application of communication solutions. *3 credits.*

COMM 7410 Cross-Cultural Communication

The centric norms, values and sociology of cultures are defined and examined through the prism of communication in this course, with an objective of understanding the impact of cultural nuances in business and leadership settings. Case examples are used, and analytical tools such as TimeLine analysis and other practical tools are mastered by the students in organization communication. Cultures based on interest, politics, gender, national and social dynamics are examined and assessed in determining the most progressive methodology of enacting effectual leadership communication. *3 credits.*

COMM 7411 Cross-Gender Communication

This course provides participants with an opportunity to discuss issues associated with communication and gender in the workplace. It explores the question of why, how, and when men and women communicate differently, and the resulting impacts on personal and professional success. It assists individuals with the challenges associated with a diverse workforce. *3 credits.*

COMM 7412 Teambuilding

This class gives students an opportunity to combine theoretical and practical application of the components of teambuilding in a workshop format. Learning principles and activities that reflect the workplace environment are central to instruction. Application to the students' workplaces is immediate. *3 credits.*

COMM 7413 Training and Development

In this class, students examine training and development as it relates to organizational effectiveness. Four interrelated elements are studied: strategic planning, organizational culture, performance management and training, and development. Learning outcomes include increased understanding of modern strategic planning and its essential subprocess, increased experience in applying leadership and management concepts, and methodology to practice situations. *3 credits.*

COMM 8000 Methods and Strategies for Corporate Relations

This class examines the nature and function of corporate relations as it pertains to internal and external publics of contemporary organizations. Emphasis is on developing a public relations program, crisis communication, written tactics and other key elements of the public relations function. *3 credits.*

COMM 8190 Master's Thesis/Project

The Master's Thesis/Project is the culminating academic experience for a MACPC student and represents his/her ability to apply learned research, writing and other technical skills. The thesis/project is supervised by an adviser. Prerequisite: COTC 7110. *3 credits.*

COST 7111 Communication Consulting

Students in this class explore the theory and practice of communication consulting. An emphasis is placed on identifying professional challenges through projects and discussions. A proposal and communications plan for a client (real or fictitious) is prepared by each student. Integrated marketing communications is reviewed at length. Prerequisite: COMM 6000. *3 credits.*

COST 7210 Effective Small Group Communication

In this class, small group interaction is examined in depth, including observation, interpersonal activity, group systems, conflict resolution, and listening. The focus is on practical, business and organizational group activities in real-world situations to prepare students to understand, effectively participate in and control group dynamics. *3 credits.*

COST 7230 Persuasion and Motivation

Persuasion and Motivation examines communications as a form of influence within corporate, public and governmental environments. The course covers theories, styles and techniques of persuasion and motivation as they apply to interpersonal communication in practical workplace situations and cases. A focus is placed on individual leadership and motivational skills. *3 credits.*

COTC 6193 Independent Research

Independent Research requires students to design and conduct an individual research project under faculty supervision. Prerequisite: Departmental permission. *3 credits.*

COTC 7120 The Law of Communication

This class focuses on practical rules and principles, theory, and methods of analysis of the law as it affects communicators within corporate and public organizations, and as it regulates the business aspects of communication companies. *3 credits.*

COTC 8110 Seminar in the Ethics of Corporate and Public Communication

The development of professional ethics for communications in the corporate and public sectors is examined in this course. Business and communication ethical systems are compared. Students deal with actual case problems in corporate and public communication. *3 credits.*

COMM 7771-7779, 7781-7789, 7791-7799 Special Topics

Each semester specialty classes are offered to meet unique graduate needs and interests in various aspects of corporate and public communication.

Topics include:

1. Presentation Skills

- Advanced Internet
- Introduction to Corporate Video
- Desktop Publishing
- Introduction to Multi-Media
- Introduction to the Internet
- Designing Web Pages
- Roles and Responsibilities of a Web Master

2. Effective Listening Skills/Personal & Professional Success

- Strategic Communication and Leadership
- Writing & Editing from the Technical Perspective
- Writing Seminar

3. Cause Related Marketing

- Perspectives in Corporate Advertising
- Method Analysis in Integrated Marketing Systems
- Writing for the Media
- Events Management
- The Electronic Office: Communication in Cyberspace
- Crisis Communication
- Speechwriting
- Media Relations
- Employee Relations and Employee Communications
- On-Line Public Relations
- Financial Public Relations
- Public Relations: Practices and Concepts
- Brand Management
- Business to Business Marketing and Branding

Department of English

Fahy Hall
(973) 761-9388; 9387
artsci.shu.edu/english

Faculty: Apfelbaum; Balkun (*Assistant Chair*); Carpentier (*Chair*); Enright; Gray; Grieco; Jones; Lindroth; Rogers; Schur; Shea; Stevens; Tilton-Levine; Weisl (*Director of Graduate Study*); Winser.

Programs of Study

The Department of English offers graduate courses in English and American literature leading to the Master of Arts. A master's degree in English provides the basis for a wide range of career and professional choices. At Seton Hall, the M.A. in English serves as preparation for a doctoral degree program in literature and for professional degrees in law or business, as well as for careers in secondary education, publishing and professional writing. The

diversity of student goals and interests is accommodated through a choice of two programs of study, as outlined below. Students should consult the Director of Graduate Study for details of these programs and for guidance in selecting the programs and courses best suited to their needs.

Undergraduate English majors at Seton Hall who qualify for the dual degree B.A./M.A. program in English can complete the M.A. in one year beyond their B.A. See the Undergraduate Catalogue for full description and admission requirements.

General Admission

In addition to the general University requirements for admission to graduate studies, the Department of English requires 21 undergraduate credits in English and American literature. Applicants must also submit GRE scores.

Degree Requirements

In addition to the general University and College requirements, the Department of English requires a reading knowledge of French, German, Italian or Spanish as attested by the Department of Modern Languages. Subject to approval, Latin, Greek or another language may be substituted.

A final written comprehensive examination in English and American literature, literary history and criticism is required of all M.A. candidates.

Hub and Spoke Program

All students pursuing the Master of Arts in English will complete a 12-credit "Hub" of core requirements. Students can then choose to pursue one of two "Spokes," depending upon their interests and goals. The Literature Spoke is intended for students who plan to go on to a doctoral program or whose primary interest is in continuing literary study. The Writing and Pedagogy Spoke is designed for students who plan to teach English at the secondary level or who are already teaching.

Hub (12 Credits)

ENGL 6010	Introduction to Literary Research
6000-level	American literature elective
6000-level	British literature elective

and one of the following:

ENGL 7011	Studies in Criticism
ENGL 6316	Introduction to Literary Theory
ENGL 6317	Feminist Critical Theory

Literature Spoke (18 Credits)

ENGL 6420	Linguistic History of English
	Three literature electives
7000-level	Seminar
ENGL 7010	Master's Thesis

Writing and Pedagogy Spoke (18 Credits)

choose 9 credits from the following:

ENGL 6511	Approaches to Teaching British Literature
ENGL 6512	Approaches to Teaching American Literature
ENGL 6411	The Art and Craft of Writing
ENGL 6412	Modern Rhetoric and Writing
ENGL 6415	Composition Theory and Practice

plus:

7000-level

Two literature electives
Seminar (or students may elect to take ENGL 7010, Master's Thesis, with departmental approval.)

Poetry-in-the-Round

Poetry-in-the-Round provides a literary forum of readings and discussions providing students with the opportunity to meet such writers as George Plimpton, Derek Walcott, Jorie Graham, Phillip Levine, Nadine Gordimer, Harold Bloom, Alison Lurie, A.R. Ammons and others.

The Writing Center

The Writing Center serves as a support system for all students through the Department of English. It provides a range of services, including free consultations and tutorials, to both undergraduate and graduate students. Located in Fahy Hall Room 251, the center is open during the academic year, Monday through Thursday, 9 a.m.-8 p.m., and Friday, 9 a.m. - 4 p.m. For details (and Summer Session hours), call (973) 761-9000, ext. 7501, or Kelly Shea, director, ext. 2183.

Course Descriptions

ENGL 6010 Introduction to Literary Research

Prepares students to use the resources of the library, pursue different types of research in language and literature and write effective papers embodying their findings. 3 credits.

ENGL 6111 Old English Literature

Old English literature with readings from selected texts. Emphasis on *Beowulf*. 3 credits.

ENGL 6112 Chaucer

Selected readings in Chaucer. 3 credits.

ENGL 6113 Medieval Drama

The English drama from its beginnings to the fusion of popular and classical elements in the Tudor period. 3 credits.

ENGL 6114 Shakespeare to 1600

Study of the early poetry, sonnets, chief comedies, tragedies and histories. 3 credits.

ENGL 6115 Shakespeare from 1600

Major tragedies, histories, problem comedies and romances. 3 credits.

ENGL 6116 Renaissance Literature

Major poetry and prose. Emphasis on Skelton, More, Sidney and Spenser. 3 credits.

ENGL 6117 Renaissance Drama

Elizabethan and Jacobean dramatists, excluding Shakespeare. 3 credits.

ENGL 6118 Early 17th Century Literature

Jonsonian, Metaphysical and Cavalier schools, with some attention to the prose of the period. 3 credits.

ENGL 6119 Milton

Readings from the major poetry and prose of Milton. *3 credits.*

ENGL 6121 Dryden, Pope and Swift

Rise of the literature of wit as exemplified by the major poets and satirists of the Augustan Age. *3 credits.*

ENGL 6122 English Drama 1660-1800

Restoration drama, with readings from Dryden, Congreve, Goldsmith, Sheridan and others. *3 credits.*

ENGL 6123 The Age of Johnson

The poetry and prose of Samuel Johnson, the diaries of Boswell, Boswell's life of Dr. Johnson and others of their circle. *3 credits.*

ENGL 6124 The Age of Romanticism

The Romantic movement in England: Wordsworth, Coleridge, Byron, Shelley and Keats. *3 credits.*

ENGL 6125 Victorian Poetry and Prose

Major Victorian poets and prose writers: Tennyson, Browning and Arnold; Carlyle, Pater, Newman and Barrett Browning. *3 credits.*

ENGL 6126 Major British Writers: 1900-1945

Significant works by major novelists, including Lawrence, Joyce and Woolf. *3 credits.*

ENGL 6127 Major British Writers from 1945

Significant works by major novelists after World War II, including Waugh, Greene, Burgess and Fowles. *3 credits.*

ENGL 6128 British Poetry of the 20th Century

Major British poets and poetic movements of the 20th Century from W.B. Yeats to Ted Hughes. *3 credits.*

ENGL 6211 American Literature: Beginnings Through Poe

Literature of the Puritans and the Revolutionary period, culminating in the early masters of American Romanticism: Irving, Cooper, Poe. *3 credits.*

ENGL 6212 The American Renaissance

Emerson, Thoreau, Hawthorne, Melville and Whitman. *3 credits.*

ENGL 6213 American Literature of the Later 19th Century

Twain, James, Wharton and the Realist and Naturalist movements. *3 credits.*

ENGL 6214 Major American Writers: 1900-1945

Major American novelists and poets: Cather, Fitzgerald, Hemingway and Faulkner; Frost, Pound and Eliot. *3 credits.*

ENGL 6215 Major American Writers from 1945

Major writers from Ellison through Bellow, Malamud, Updike and Morrison. *3 credits.*

ENGL 6216 Continuity of American Poetry

Emerson, Dickinson, Whitman, Frost, Stevens, Pound, Eliot and Williams. *3 credits.*

ENGL 6217 African-American Literary Experience

Major poetry and fiction written by African-Americans from Douglass to Morrison. *3 credits.*

ENGL 6311 The English Novel: Beginnings through the 19th Century

Novels by writers whose innovations reflect the development of the genre as a mirror of social and aesthetic concerns. *3 credits.*

ENGL 6313 Modern British Drama

Survey of major trends in 20th century British drama from Shaw to Pinter. *3 credits.*

ENGL 6314 Modern Irish Drama

Survey of the major Irish dramatic writers of the 20th century from Wilde to Beckett. *3 credits.*

ENGL 6316 Introduction to Literary Theory

An introduction to various schools of contemporary literary theory, including Marxism, Structuralism, Deconstruction, New Historicism and Cultural Criticism. *3 credits.*

ENGL 6317 Feminist Critical Theory

Feminist literary criticism from DeBeauvoir through contemporary women of color, including major American, British and French views. *3 credits.*

ENGL 6411 The Art and Craft of Writing

Understanding the structure of various genres: the essay, the poem, the short story. Opportunity for students to undertake longer projects to develop these forms. *3 credits.*

ENGL 6412 Modern Rhetoric and Writing

Exploration of writing as a theoretical and philosophical activity, helping students understand their own activity as writers and instructing prospective instructors of composition in the current pedagogy. *3 credits.*

ENGL 6414 Scientific and Technical Writing

Development of skills in the clear, concise presentation of graduate level writing in various forms, such as dissertations, grant proposals, lab reports and articles for publication. This course is open to students in all graduate programs at the university. *3 credits.*

ENGL 6415 Composition Theory and Practice

Strategies of teaching writing as a developmental process. *3 credits.*

ENGL 6420 Linguistic History of English

History of the language emphasizing cultural backgrounds as well as modern linguistic approaches. Concludes with a survey of modern approaches to English grammar and syntax. *3 credits.*

ENGL 6511 Approaches to Teaching British Literature

Readings of selected works in British literature appropriate for secondary education, with emphasis upon pedagogy, historical and contemporary critical interpretations. *3 credits.*

ENGL 6512 Approaches to Teaching American Literature

Readings of selected works in American literature appropriate for secondary education, with emphasis upon pedagogy, historical and contemporary critical interpretation. *3 credits.*

Seminars**ENGL 7010 Thesis**

Preparation of the master's thesis under individual guidance. *3 credits.*

ENGL 7011 Studies in Criticism

Readings and discussion of literary criticism as an art and a craft. Critical theories and their applications to selected texts. *3 credits.*

ENGL 7012 Studies in Medieval Literature

Advanced study in the integration of the historic, philosophic, religious and social features of Medieval England. *3 credits.*

ENGL 7013 Studies in Renaissance Literature

Advanced study in the growth of the English Renaissance, the major personalities and their contributions. *3 credits.*

ENGL 7014 Studies in Neoclassicism

Advanced study in 18th century cultural history and in the writing of the principal figures of the age. *3 credits.*

ENGL 7015 Studies in Romanticism

Advanced study in the revolutionary character of the poetry, literary and philosophic theories of the Romantics, with an emphasis on continental connections. *3 credits.*

ENGL 7016 Studies in Victorian Literature

Advanced study in literature as a reflection of the social, political, religious and moral upheavals of the Victorian period. A particular issue or writer may be studied in depth. *3 credits.*

ENGL 7017 Studies in 20th Century British Literature

Advanced study in the innovations in language, form and content by major 20th century British writers. *3 credits.*

ENGL 7018 Studies in American Literature

Advanced study of selected writers seen in the context of the social and cultural currents of the American experience. *3 credits.*

ENGL 7019-7021 Seminar: Special Topics

Topics to be announced by the instructor. *3 credits.*

Department of Jewish-Christian Studies

Fahy Hall
(973) 761-9463

artsci.shu.edu/Graduate/jewish

Faculty: Bossman; Finkel; Frizzell (*Chair*).

The Graduate Department of Jewish-Christian Studies awards the Master of Arts degree (36 credits) and graduate certificate (12 credits) in Jewish-Christian Studies. The curriculum covers all aspects of the relationship between Jews and Christians – their respective values and traditions.

Studies build critical academic bases for understanding Christians and Jews historically and phenomenologically. A Jewish-Christian critical awareness will equip graduates for many facets of interreligious and multicultural encounters.

Courses are rooted in the study of sacred texts in their historical and social world context, utilizing critical methods to promote an honest and in depth analysis of the individuals and communities that produced them. Courses examine the cultic, ethical and social issues that are central for understanding Christians and Jews today through cross-cultural studies and dynamic analysis.

The program is ideally suited for teachers in public, private and parochial schools; education and ecumenical administrators; clergy and seminarians; as well as generalists who seek a means to explore Jewish and Christian studies. Visit the Web site at artsci.shu.edu/Graduate/jewish

Admission

In addition to the general University requirements for admission, the department strongly recommends an interview or suitable correspondence with the department chair to determine the objectives of the student in relation to the resources of the department.

Students working for a degree normally gain an elementary knowledge of Hebrew early in the program.

With the approval of the department chair, professional, graduate and sufficiently advanced undergraduate students may take individual courses without fulfilling the above requirements. Participating auditors will be accepted for most courses.

Degree Requirements

The Graduate Department of Jewish-Christian Studies requires a selection from either of two programs of study in consultation with an adviser.

Thesis Program

Students in the thesis program are expected to complete 27 credits offered by the Department of Jewish-Christian Studies and 6 credits in the reading of Hebrew texts. Approval of the adviser must be obtained for all courses chosen. Three credits must be completed in JCST 9001 Thesis (with the topic approved by the Thesis Committee). The thesis must make a contribution to continuing research in some aspect of Jewish-Christian studies.

After consultation with the faculty, students with a strong background in research may choose to do a more extensive investigation of an approved topic and produce a thesis for 6 credits (JCST 9002).

Non-Thesis Program

Students in the non-thesis program will complete 36 credits in Jewish-Christian studies, selecting courses with the approval of the departmental adviser. Students must demonstrate a basic knowledge of biblical Hebrew.

Certificate in Jewish Christian Studies (12 credits)

Required courses

JCST 6001 Christian Jewish Encounter

Electives

Select three other courses in consultation with the chair of the Department of Jewish-Christian Studies.

Course Descriptions

JCST 6001 Christian-Jewish Encounter

Historical review of Christian origins and Jewish-Christian relations. Heritage of Christian faith and practice draws upon Jewish sources. The Vatican II Declaration on Non-Christian Religions and other pertinent documents. Tasks and challenges for the coming decades. *3 credits.*

JCST 6005-6006 Biblical Readings in Hebrew Bible I and II
Complementing JCST 6010, selections from prose and poetry of the Hebrew Scriptures are studied grammatically, with an emphasis on their literary, historical and theological content. Examinations of the Hebrew world of thought as a vehicle for faith-expression. *4 credits.*

JCST 6007 Readings in Qumran Literature
Investigation of the major Hebrew texts peculiar to the Qumran community. Comparison with the grammar and vocabulary of the Biblical period. Implications of these works for contemporary Jewish history and theology. *2 credits.*

JCST 6008 Rabbinic Readings in Hebrew
Readings may be coordinated with JCST 6012 and JCST 7044. Examples of Mishnah, prayer and Midrashim. *2 credits.*

JCST 6010 Biblical Thought I: The Hebrew Scriptures
Course in three main parts: Hebrew thought contrasted with myths of the ancient Near East, evaluating the basic themes and their presentation. Experience nature and message of Hebrew prophecy; comparative study of Old Testament theology, analyzing the models and experiential hermeneutics of Judaism and Christianity. *3 credits.*

JCST 6011 Biblical Thought II: Paul and John
Early Christian understanding of the mystery of God's life as shared with the people He has chosen. Integration of election, covenant and Torah into new perspectives. Use of the Hebrew Bible and the Jewish liturgy by the writers in their reflection on the person of Jesus and the nature of the Church. Letters of Paul and the Gospel according to John studied in detail. *3 credits.*

JCST 6012 The Jewish Texture of the Gospels
Gospels studied redactionally, preserving an ongoing interpretation of the works and words of Jesus in light of the early Christian experience. Detailed account of the Jewish socioreligious background for a better understanding of both the Gospels and the Jesus tradition. Distortions and misconceptions persist due to a lack of phenomenological understanding of this crucial period. Course develops a new direction. *3 credits.*

JCST 6013 Hebrews and Catholic Epistles
The investigation of New Testament texts, the Epistle to the Hebrews and the seven Catholic (general) Epistles, explores early Christian understanding of the faith in Jesus and moral life and its relation to the Jewish Scriptures and the Jewish people. *3 credits.*

JCST 6014 Values for a Pluralistic Society
A study of pluralism as a system along with its concomitant social values: civil rights and responsibilities, individualism and diversity, separation of church and state, community building and prejudice reduction. Deriving resources from a cross-cultural study of Jewish and Christian sources, the course will examine various societal models for values-formation and practical guides for communicating values in a pluralistic socio-religious setting. *3 credits.*

JCST 6015 Cross-Cultural Analysis for Jewish-Christian Studies
Examination of social science models for studying the circum-Mediterranean world as the context for Jewish/Christian symbols and values; comparative study of Jews and Christians as distinct

but related traditions in various social world contexts; the causes and effects of anti-Semitism; impact of individualism on Judaism and Christianity in a pluralistic society. *3 credits.*

JCST 6016 Lessons from the Holocaust
Personal and societal impact of prejudice and hatred; exclusionary and destructive societal practices relating to race, gender, religion, sexual orientation, ethnicity and political views; institutionalized anti-Semitism in Germany under the Nazis; social world conditions that minimize personal freedoms and lead to genocidal behavior; probing alternative educational models. *3 credits.*

JCST 6017 Jewish and Christian Foundations for Social Service
This course will examine the biblical and theological foundations in Judaism and Christianity for promoting social services. It will study notable examples of such services through history and explore various agencies today that continue this tradition. The focus of the course will be on an understanding of the rationale as well as a motivational base for responding to social needs. The course is particularly suited to teachers seeking to foster social consciousness among students in public, private and parochial schools. *3 credits.*

JCST 6020 Jewish History I: Bible to Talmud
Survey of the dispersion of the Hebrew people in the circum-Mediterranean world during the Second Temple period to the formation of the rabbinic canon; contextual reading of relevant ancient texts; examination of sects and factions within the House of Israel; the influences of Hellenism and Rome; effects of the break-off of Christianity; diversity among Jewish communities. *3 credits.*

JCST 6021 Jewish History II: Medieval to Modern
Investigation of selected post-Talmudic developments and variations within Judaism: the Jews in Muslim lands; political and economic circumstances of Jews in Medieval, Renaissance and Enlightenment Europe; the rise of Hasidism and Zionism in Eastern Europe; the Holocaust; the State of Israel; Jews in pluralistic America. *3 credits.*

JCST 6022 Judaism in the Second Temple Period
Development of Jewish spirituality and theology from 300 B.C. until the destruction of Jerusalem. Various interpretations of the Hebrew Scriptures. Deuterocanonical (apocryphal), pseudepigraphical works and Qumran scrolls assessed for their contribution to Judaism of the time. *3 credits.*

JCST 6024 Medieval Jewish Thinkers
Review of Jewish religious philosophy, beginning with Philo and the rabbis and continued with the appearance of the major medieval works. Comparative study with neo-Platonism, Aristotelianism and Kalam. Contribution of Jewish thinkers like Saadia Gaon, Bahya Ibn Paquda, Judah Halevi, Abraham Ibn Daud and Moses ben Maimon. *3 credits.*

JCST 6027 The Middle East in the 20th Century
Historic development of the Zionist movement from the late 19th century through the period of the Mandate and the establishment of the state of Israel. Conflict between Zionist movement and Arab nationalism. Post-1948 internal and external problems of Israel within the context of continuing hostilities with its Arab neighbors and the Palestinians. The peace process and the future development. *3 credits.*

JCST 6028 Modern Jewish Thinkers

Evaluates the works of Moses Mendelssohn, Samson Raphael Hirsch, Hermann Cohen, Leo Baeck, Franz Rosenzweig, Martin Buber, Achad Haam, Aaron David Gordon, Abraham Isaac Kook, Kaufman Kohler, Mordecai Kaplan, Abraham J. Heschel, Joseph Soloveitchik. *3 credits.*

JCST 6029 The Holocaust: History and Theology

Uniqueness of the tragedy. Historical background of anti-Semitism and racism (Gobineau and H.S Chamberlain). Manner and method of genocide: boycott, burning of synagogues, concentration camps and gas chambers. Those involved and the "onlookers." Jewish and Christian reactions to the moral and theological issues. Literature concerning the Holocaust. Implications for Jewish-Christian dialogue. *3 credits.*

JCST 7030 Law and Ethics: Jewish and Christian Perspectives

Covenant and Torah in ancient Israel; Law and ethics in the wisdom tradition; Torah and commandments in the literature of the Second Temple period. Sadducees and the Qumran community; the Pharisaic teaching concerning written and oral Torah. Approaches of the New Testament writers and the Rabbis to Covenant, law and ethics. Great legal codes of Medieval Jewry; canon law; law versus Gospel in Luther's thought; Calvin's reverence for law. Ethics concerning the family and sanctity of life in modern thought. Structures in society as opposed to nihilism and terrorism. *3 credits.*

JCST 7031 Jewish Mysticism

Course traces the major themes of the Jewish mystical tradition from Biblical through Rabbinic, Kabbalistic and Hasidic epochs, using translations of classical sources. Approach is both existential and historic, with comparison between Jewish mystical thought and other mystical systems explored. *3 credits.*

JCST 7033 Biblical and Jewish Eschatology

Development of Hebrew thought concerning immortality and resurrection. Background of the early apocalyptic thought and hope expression. Models for community life and morality inspired by belief in the afterlife. Use of biblical ideas (Kingdom of God, new creation, retribution) in the Jewish and Christian liturgies. Modern reflections on the meaning of life and the eternal destiny of human beings. *3 credits.*

JCST 7034 Biblical Interpretation and the Religious Experience

Explores the modes of interpretation as related to religious experience through a study of the phenomena and the literary expression, paradigms and models, symbols and myth. Relates the biblical tradition as canonical scriptures for a worshipping community to the ongoing dialogue with the word of God in Midrash and Targum. Structure and meaning, guiding principles and hermeneutical systems; the dynamics of interpretation in ever-changing times. *3 credits.*

JCST 7035 Jewish Philosophy of Education

Important contributions of Jews to every area of western culture, studied in the context of the integrated approach to education from the biblical and Rabbinic periods. Themes in ancient literature followed into medieval and modern times as related to philosophy and practice. *3 credits.*

JCST 7036 Peace and War in Bible and Jewish Tradition

Review of biblical tradition (including New Testament) and rabbinic literature (such as Perek Hashalom) on the dynamic meaning and application of peace in the transpersonal and interpersonal realms. Study of war and violence and the vision of universal peace in Jewish thought, from early times to the modern period. *3 credits.*

JCST 7037 Jewish Law

This course presents a tripartite review of the Rabbinic tradition and the legal sources, its history and development, conceptual dynamics as related to value system and comparative law. The course focuses on the relationship of law and ethics, of biblical codes and rabbinic works, of decision making with a view on contemporary issues. *3 credits.*

JCST 7042 Dead Sea Scrolls and Variegated Judaism

Review of the latest scholarship and recent findings, especially the Dead Sea Scrolls, in relation to the critical period for the rise of Early Christianity and Rabbinic Judaism. Special attention to the variegated expressions of the biblical heritage, leading to uniformity, heretical tendencies and distinct forms. *3 credits.*

JCST 7043 Jewish and Early Christian Prayer

Jewish prayer and worship in their intrinsic worth and as matrix of the Christian liturgy. Structure and meaning of the early tradition of prayer with reference to Temple, synagogue and home, as well as to calendar and celebration. Particular attention to early Christian prayers and symbols. *3 credits.*

JCST 7044 Rabbinic Thought

Introduction to criticisms, structure and literary history of rabbinic material. Evaluation of the legal and value concepts of the rabbinic mind in light of various examples of the tradition. Current developments in the study of rabbinic Judaism. *3 credits.*

JCST 7045 Jerusalem's Fall: Jewish and Christian Interpretations

Themes of land, Jerusalem and Temple as related to God and His people in the Hebrew Bible as part of both Jewish and Christian thought. Assesses the interpretative development of the destruction of Jerusalem and the Temple through the different strata of early tradition, focusing on specific prophetic motifs for evaluating the issue of theodicy. *3 credits.*

JCST 7046 Teachings of Jesus

Critical and exegetical introduction to selected texts and themes illustrating the principal characteristics of the teachings of Jesus. Explanation of their significance in the Jewish context of that time and their impact on the disciples and the early Church, with a view of the socioreligious and experiential settings. *3 credits.*

JCST 7511 Special Topics

3 credits.

JCST 7520, 7525 Independent Study

3-4 credits.

JCST 9001-9002 Thesis

3-6 credits.

The Center for Public Service – Graduate Department of Public and Healthcare Administration

Kozlowski Hall, 5th Floor
(973) 761-9510
artsci.shu.edu/cps

Faculty: Bogui; DiSalvio; Engel; Hewitt; Wish (*Director and Chair*); Worthley (*University Professor*).

A Master of Public Administration (M.P.A.) program has been offered by Seton Hall University since 1980, six years before the establishment of the Center for Public Service and 13 years before the Graduate Department of Public Administration came into existence.

Through the 1980s, the program grew dramatically, and, in 1986, the Center for Public Service was established to house the M.P.A. program, conduct applied public policy research and initiate training programs for the public and nonprofit sectors. In 1993, the Graduate Department of Public Administration was formed.

In 1998, the Center for Public Service and Graduate Department of Public Administration began offering its second graduate degree program, the Master of Healthcare Administration degree program. To show the added emphasis on health care, the department changed its name to the Graduate Department of Public and Healthcare Administration (GDPHA).

The Center for Public Service/GDPHA also offers three certificate programs: the Graduate Certificate in Healthcare Administration, the Graduate Certificate in Nonprofit Organization Management, and the Graduate Certificate in Arts Administration. These certificate programs are geared toward individuals who want to explore a career in one of these areas or develop specific management skills in these concentrations.

Courses are offered in the late afternoons and evenings and on alternate Saturdays and online to accommodate the busy schedules of working professionals. M.P.A. courses are currently offered at three locations: South Orange (main campus), Sea Girt Police Academy (shore area), and at the Housing and Community Development Network of New Jersey (Trenton). M.H.A. courses are offered in South Orange (main campus) and at the Lyons Campus of the VA New Jersey Healthcare System (Lyons, NJ).

The center's most recent initiatives are the development of its first B.A./M.P.A. program in 1999 for exceptional Seton Hall University undergraduate political science and sociology students, and the M.A./M.P.A. degree program with the School of Diplomacy and International Relations. It also offers the Healthcare Administration concentration for the Stillman School M.B.A. program.

The M.P.A. is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA). The M.P.A. program consists of four concentrations: 1) Public Service: Leadership, Governance and Policy; 2) Health Policy and Management; 3) Arts Administration; and 4) Nonprofit Organization Management. The Nonprofit Organization Management concentration is currently ranked 5th in the country by *U.S. News & World Report* (April 2001).

Center for Public Service Mission Statement:

In our rapidly changing, global society, the mission of Seton Hall University's Center for Public Service is to build leadership capacity to address quality-of-life issues. In fulfilling this charge, we believe that our primary responsibility lies with the current and future leaders and managers of healthcare, nonprofit, public service and cultural arts organizations. Within an interdisciplinary, collaborative and culturally diverse setting, we are committed to:

- providing graduate education programs;
- conducting applied research;
- offering continuing education and professional development programs; and
- promoting service by our students, faculty and the broader Seton Hall community.

We are dedicated to providing high-quality programs and services that are ethically oriented, intellectually stimulating and designed to promote servant leadership. (March 2000)

Graduate Degrees (39 credits):

Master of Public Administration (M.P.A.) Degree

- Arts Administration
- Health Policy and Management
- Nonprofit Organization Management
- Public Service: Leadership, Governance and Policy

Master of Healthcare Administration (M.H.A.) Degree

- On-Campus M.H.A. Program (weekend, evening and online courses)
- Online M.H.A. Program (learning team cohort based)

Graduate Certificates (15 credits):

- Arts Administration
- Healthcare Administration
- Nonprofit Organization Management

Dual Degree Programs

- B.A./M.P.A. with the Political Science and Sociology Departments
- M.A./M.P.A. with the School of Diplomacy and International Relations

Master of Public Administration Degree (M.P.A.)

The Center for Public Service/Graduate Department of Public and Healthcare Administration offers a Master of Public Administration (M.P.A.) degree for those employed by or seeking management careers in the public and nonprofit sectors. This includes people interested in a variety of public service, nonprofit, social service, corporate, healthcare and arts organizations. The M.P.A. program is professional in nature and stresses development of managerial and analytical skills, as well as ethical and professional values. All courses are scheduled for the convenience of working students, and the program is offered throughout the year, including summers and weekends, on-campus and off-site.

M.P.A. Mission Statement

Our M.P.A. degree is designed to develop servant leaders for management positions in the public, private and nonprofit sectors. Within an interdisciplinary, collaborative and culturally diverse setting, we are dedicated to providing high-quality graduate degree and certificate programs that are intellectually stimulating, ethically oriented and have a theory-to-practice focus. (March 2000)

There are four areas of concentration:

- **Arts Administration:** for those interested in developing skills in the management of arts organizations, including: the fine and performing arts, museums and cultural and historical organizations.
- **Management of Nonprofit Organizations:** for those seeking an understanding of and skill development in areas such as board-staff relations, fundraising, volunteer management, financial management, etc.
- **Public Service: Leadership, Governance and Policy:** for students interested in learning to manage complex policy issues in a global society, and craft creative solutions to public sector issues.
- **Health Policy and Management:** for students interested in healthcare-related administration in the public and nonprofit sectors.

Program of Study and Degree Requirements

The 39-credit M.P.A. degree program includes the following:

Core Courses (18 credits)

All M.P.A. degree students are required to successfully complete 18 credits in fundamental public administration courses.

Concentration Requirements (12 credits)

Students must select an area of concentration and complete the requirements for that concentration. Each concentration area includes three required courses and one concentration elective of the student's choice. (Public Service: Leadership, Governance and Policy concentration consists of four required courses.)

Electives (6 credits)

Each student must take two additional M.P.A. elective courses.

Applied Research and Practice (Capstone) Experience (3 credits)

Students must complete a 3-credit Applied Research and Practice (Capstone) experience towards the end of their course of study. The requirements depend on the student's managerial experience. The three options include an internship/field placement (PSMA 7991), the practicum (PSMA 7992), and the research seminar (PSMA 7993).

Students who have completed all degree requirements except the research seminar (PSMA 7993) must register for Thesis Continuation (THCN 7999) for the first semester subsequent to Research Seminar (PSMA 7993) registration, and THCN 8000 from the second subsequent semester until completion and presentation of the culminating research project.

Master of Healthcare Administration Degree (M.H.A.)

(Offered in two forms: weekend and evening programs on-campus and the online program through SetonWorldWide)

The Center for Public Service/Graduate Department of Public and Healthcare Administration offers a Master of Healthcare Administration (M.H.A.) degree that prepares its graduates for leadership and management positions in the increasingly complex

and dynamic healthcare industry. Designed for professionals who wish to advance in their management careers or individuals interested in pursuing a healthcare management career, it draws students from health service organizations such as healthcare systems, hospitals, assisted living facilities, medical group practices, managed care organizations, home care agencies, pharmaceutical companies, management consulting firms and industries that supply services to healthcare organizations.

M.H.A. Mission Statement

The mission of the Master of Healthcare Administration program is to:

1. prepare individuals for management positions and leadership roles in the rapidly changing and technologically advanced healthcare system;
2. serve the healthcare administration community by offering professional expertise and intellectual resources through outreach programs, community education efforts, professional development and technical assistance; and
3. advance the state of knowledge regionally and nationally in the field of healthcare administration and policy through scholarship, applied research, publication and presentations.

Program of Study

Master of Healthcare Administration Program (On-campus)

The on-campus Master of Healthcare Administration program is a 39-credit curriculum designed to develop core competencies vital to the success of the contemporary healthcare manager, including strategic leadership, managing change, financial management, decision-making and analytic skills.

The curriculum provides a synthesis of general management concepts and healthcare applications emphasizing analytic and decision-making skills. Consists of 30 required core credits (including a required 3-credit internship, practicum or field research project) and 9 elective credits.

Degree Requirements

The 39-credit M.H.A. program includes the following:

Core Courses (27 credits)

All M.H.A. degree students are required to successfully complete 27 credits in healthcare administration.

Elective Courses (9 credits)

Each student must take three additional M.H.A. elective courses.

Applied Research and Practice (Capstone) Experience (3 credits)

Students must complete a 3-credit Applied Research and Practice (Capstone) experience toward the end of their course of study. The requirements depend on the student's managerial experience. The three options are an internship/field placement (PSMA 7991), the practicum (PSMA 7992), and the research seminar (PSMA 7993).

Students who have completed all degree requirements except the research seminar (PSMA 7993) must register for Thesis Continuation (THCN 7999) for the first semester subsequent to the research seminar (PSMA 7993) registration, and THCN 8000 from the second subsequent semester until the completion and presentation of the culminating research project.

Master of Healthcare Administration (M.H.A.) Program (Online)

The 39-credit, online Master of Healthcare Administration program, offered by the Center for Public Service in conjunction with SetonWorldWide, is designed for professionals who want to advance their management careers but find it difficult to fit the traditional on-site residential program into their busy lifestyles. The underlying philosophy is to provide a continuous learning process using electronic technology that enables students to obtain a top-notch graduate education that takes place "anytime, anyplace." For further information about the online Master of Healthcare Administration program, contact Philip DiSalvio, Ed.D., academic director, at (973) 761-9086, or visit www.setonworldwide.net or call 1-888-SETONWW.

Admission Requirements for the on-campus M.P.A. and M.H.A. Programs

Anyone with a baccalaureate degree from an accredited college or university is eligible to apply for admission to the M.P.A. or M.H.A. programs. In general, applicants with the following credentials are admitted: a cumulative GPA of 3.0 or better, two well-written essays, strong letters of recommendation, and strong standardized test scores. (Applicants who have completed their baccalaureate degrees five or more years prior to beginning the M.P.A. or M.H.A. programs need not submit standardized test scores.)

Applicants who are confident that they are ready to succeed in a graduate program but do not meet the M.P.A. or M.H.A. admissions criteria may consider the following options to improve their chances of being accepted:

- (1) enroll as a graduate certificate or non-matriculating student and attain a cumulative GPA of 3.0 or better after completing at least four courses;
- (2) submit a standardized test score, such as the GRE, above the 50 percent level, even if the baccalaureate degree was awarded five or more years prior to starting one of the graduate programs; or
- (3) successfully complete the MBA pre-qualification courses offered by the Stillman School of Business at Seton Hall University.

Application Procedures for the M.P.A. and M.H.A. Programs

Applicants must complete a College of Arts and Sciences Application for Admissions to Graduate Study (self-managed application packet) that includes:

- a completed application with the \$50 application fee (payable to Seton Hall University);
- two essays based on the questions provided in the application;
- official sealed transcript from each college and/or university attended;
- three letters of recommendation;
- current resume;

- official copy of scores on the Graduate Records Exam (GRE), Graduate Management Admission Test (GMAT), Law School Admission Test (LSAT), or Medical College Admission Test (MCAT) (if required); and
- official copy of Test of English as a Foreign Language (TOEFL) scores if applicant is an international candidate.

Applications and information about the online M.H.A. program are available by visiting www.setonworldwide.net or by calling 1-888-SETONWW.

Financial Aid

Seton Hall University and the Center for Public Service offer a variety of financial aid options to assist students in paying for their graduate education. These include:

- Graduate and Research Assistantships
- Partial Tuition Scholarships
- Paid Internships and Fellowships
- External Scholarships
- Loan and Installment Payment Programs
- Employer Tuition Remission Programs

Graduate and Research Assistantships

Graduate assistants receive full tuition remission and a monthly stipend in exchange for 20 hours of work per week in the administrative offices of the Center for Public Service or in other offices on campus, such as the Office of Grants and Research, The Career Center, the Educational Opportunity Program, Enrollment Services and the Recreation Center.

Research assistants receive full tuition remission and a monthly stipend in exchange for 20 hours of work per week assisting Center for Public Service faculty on various research projects.

Graduate and research assistantships are available to full-time students only. Students in both the M.P.A. and M.H.A. on-campus programs are eligible.

Partial Tuition Scholarships

Partial tuition scholarships provide 50 percent tuition remission for study in the areas of arts administration, nonprofit management, and for residents of the greater Newark area, healthcare administration.

Both full and part-time students in the M.P.A. and M.H.A. on-campus programs are eligible. Graduate certificate students are also eligible for these scholarships.

Graduate assistantships, research assistantships, management resident positions, and partial tuition scholarships are awarded on a competitive basis; therefore, students who plan to apply for any or all of these funding opportunities should submit their applications for admission early. Students must be accepted into an eligible graduate degree or certificate program before scholarship funds can be awarded.

For further information, including application deadline information and to receive application materials, contact the Center for Public Service at (973) 761-9510 or CPS@shu.edu

Paid Internships and Fellowships

Internships are required for all preservice students and are an option for inservice students. The Center for Public Service assists students in finding internships and maintains information on the availability of paid internships. Information on paid fellowships is also made available to students.

External Scholarships

The Center for Public Service makes information on external scholarships available to M.P.A., M.H.A., and graduate certificate students and assists them with the completion of application materials.

Loans and Installment Payment Programs

Several types of loan programs and installment payment programs are available to assist students with tuition and other expenses. Loans through FAFSA and Sallie Mae; are available to M.P.A. and M.H.A. students, while loans through Sallie Mae only are available to graduate certificate students. Contact Enrollment Services at (973) 761-9332 for further information and application materials.

Graduate Certificate Programs

The Graduate Department of Public and Healthcare Administration offers three graduate certificate programs in the following areas: arts administration, healthcare administration and non-profit organization management.

These graduate certificates are designed for individuals who (1) want to explore a career in one of the specific areas offered, (2) possess a graduate degree and need to develop specific management skills, or (3) want to take some graduate courses without applying for the M.P.A. or M.H.A. degree programs.

Admissions Requirements for Graduate Certificates

Anyone with a baccalaureate degree from an accredited college or university is eligible to apply for admission to the graduate certificate programs. In general, applicants with a GPA of 2.75 or better and a well-written essay are admitted into the graduate certificate programs.

Applicants who are confident that they are ready to succeed in a graduate program but do not meet the graduate certificate admissions criteria may consider the following options to improve their chances of being accepted:

- (1) enroll as a non-matriculating student and attain a cumulative GPA of 3.0 or better after completing at least two courses;
- (2) submit a standardized test score, such as the GRE, above the 50 percent level, even if the baccalaureate degree was awarded five or more years prior to starting one of the graduate programs; or
- (3) successfully complete the M.B.A. pre-qualification courses offered by the Stillman School of Business at Seton Hall University.

Admissions Procedures

Individuals applying for admission to the graduate certificate programs must submit the following:

- official transcript(s) showing successful completion of a baccalaureate degree from an accredited college or university;
- one essay answering the question provided in the application;
- current resume;
- graduate certificate application; and
- application for nonmatriculating graduate students.

Application materials may be obtained by calling the Center for Public Service, (973) 761-9510.

Academic Credit:

Graduate certificates are awarded for the successful completion of 15 graduate credits as designated. These graduate credits can be applied toward the on-campus M.P.A. or M.H.A. degree, provided the student successfully completes the courses and satisfies the admission requirements for the 39-credit M.P.A. or M.H.A. program.

The Graduate Certificate in Arts Administration

Curriculum (15 credits)

The Graduate Certificate in Arts Administration is earned by successfully completing three required and two elective courses.

Required Courses (9 credits)

PSMA 7314	Financial Management of Nonprofit Organizations
PSMA 7316	Principles, Practices and the Environment of Arts Administration
PSMA 7317	Strategic Management of Arts Organizations

Elective Courses (6 credits)

Complete any two of the following:

PSMA 6005	Financial Management and Control
PSMA 7313	Resource Development (Fundraising)
PSMA 7315	Managing Volunteers in Nonprofit Organizations
PSMA 7318	Marketing and Public Relations in Arts Organizations
PSMA 7319	Legal Issues in Arts Organizations
PSMA 7320	Nonprofit Information Management Systems
PSMA 7321	Grantsmanship
PSMA 7712	Program Evaluation Methods: Outcome Assessment
PSMA 8322-8327	Topics in Arts Administration (Includes: Administration of Arts Education Programs, Arts and Community Development, etc.)

The Graduate Certificate in Healthcare Administration

Curriculum (15 credits)

The Graduate Certificate in Healthcare Administration is earned by successfully completing three required and two elective courses.

Required Courses (9 credits)

PSMA 7511	Introduction to the Healthcare System
PSMA 7513	Healthcare Management
PSMA 7514	Healthcare Financial Management and Accounting

Elective Courses (6 credits)

Complete any two of the following list of courses:

PSMA 6009	Managerial Decision Making
PSMA 7512	Healthcare Policy
PSMA 7515	Introduction to Epidemiology/Social Medicine
PSMA 7518	Managing Community Health Systems
PSMA 7712	Program Evaluation Methods: Outcome Assessment
PSMA 8512	Ethics in Health Care
PSMA 8513	Human Resource Management in Healthcare Organizations
PSMA 8514	Healthcare Economics
PSMA 8515	Topics in Managed Care
PSMA 8516	Long-term Care Administration
PSMA 8517	Strategic Planning and Marketing in Healthcare Organizations
PSMA 8518	Legal Aspects of Healthcare Organizations
PSMA 8519	Healthcare Information Systems
PSMA 8511-8529	Topics in Health Policy and Management

The Graduate Certificate in Nonprofit Organization Management

Curriculum (15 credits)

The Graduate Certificate in Nonprofit Organization Management is earned by successfully completing three required and two elective courses.

Required Courses (9 credits)

PSMA 6003	Public Policy Process, Analysis and Evaluation
PSMA 7311	Foundations of the Nonprofit Sector
PSMA 7312	Leadership and Management of Nonprofit Organizations

Elective Courses (6 credits)

Complete any two of the following list of courses:

PSMA 6005	Financial Management and Control
PSMA 7313	Resource Development (Fundraising)
PSMA 7314	Management of Fiscal Resources in Nonprofit Organizations

PSMA 7315	Managing Volunteers in Nonprofit Organizations
PSMA 7320	Nonprofit Information Management Systems
PSMA 7321	Grantsmanship
PSMA 7712	Program Evaluation Methods: Outcome Assessment
PSMA 8311	Nongovernmental Organizations
PSMA 8312	Nonprofit Policy Issues: Advocacy & Lobbying
PSMA 8313	Topics: Nonprofit Legal issues
PSMA 8317	Nonprofit Marketing and Public Relations
PSMA 8320-8329	Topics in Nonprofit Organization Management

Course Descriptions

Master of Public Administration Degree (M.P.A.)

Core Courses

PSMA 6001 The Environment of Public Service Management

Political, social, legal and ethical realities affecting managers in public and nonprofit organizations such as government agencies, churches, schools, museums and community service organizations. Theoretical as well as operational perspectives, particularly as they distinguish public administration from business administration. The power of the public service professional and values of public service systems. Political processes, legal factors and other mechanisms of accountability are emphasized. *3 credits.*

PSMA 6002 Research Methods and Statistical Analysis

Introduces both quantitative and qualitative research methodologies. Topics include descriptive and inferential statistics, issues in sampling and hypothesis testing, analysis of variance, regression and time series analysis, as well as survey design. Computer software is used for statistical analysis. *3 credits.*

PSMA 6004 The Economic Environment of Public Service Management

Economic system as the setting within which nonprofit, healthcare, arts and public service organizations function. Introduction to microeconomic principles, with some coverage of fiscal, monetary and regulatory policies, as well as public goods and problems of market failure. Economic concepts and tools as they relate to the management of public service organizations. *3 credits.*

PSMA 6005 Financial Management and Control of Public Service Organizations

Introduction to basic financial, budgetary and accounting concepts, processes and techniques relevant to public service managers; how and why financial decisions are made; how they affect organization operations, use of financial documents and financial analysis. *3 credits.*

PSMA 6009 Managerial Decision Making

Introductory course in applied game theory. Introduces students to decision trees, Nash equilibria, winning strategies, tit-for-tat, auction theory and end-games. Competitive scenarios are an intrinsic part of the course, as are problem sets and simulations. *3 credits.*

PSMA 6010 Managing Human Resources in Public Service Organizations

Examines the strategies used to manage human resources effectively in public service organizations. The best human resource practices of public service organizations are discussed, including workforce training, teams, reward systems and leadership. Additional topics covered include management strategies for encouraging positive, interpersonal relationships, managing conflict and creative thinking approaches to human resource issues. *3 credits.*

Concentration Courses**Public Service: Leadership, Governance and Policy**

**Courses marked with an asterisk are required of students selecting this concentration.*

PSMA 6003 Public Policy Process, Analysis and Evaluation*

The administration of public policy depends on knowledge of the policy process. This course focuses on those stages of the policy process of most interest to public administrators, specifically policy formation, implementation and evaluation. Among the questions to be addressed: How are programs designed? What happens after a policy is made? What methods are used to measure and assess public policy outcomes? What are the methodological, theoretical, political, administrative and ethical problems encountered in policy analysis? The course draws on a variety of substantive policy areas for illustration purposes. Students are encouraged to relate the general material of the course to their specific policy interests. *3 credits.*

PSMA 6007 Organizational Theory

Course is designed to introduce students to the conceptual and practical perspectives and tools for perceiving and managing organizational phenomena. Explores formal and informal realities in organizations, including group dynamics, power, and organizational culture, organizational change and resistance; and external environmental factors such as turbulence and shifting priorities. Cases and simulation exercises are incorporated to familiarize the students with practical applications of theoretical concepts. *3 credits.*

PSMA 6008 Information and Computers in Public Service Management

Computers and information systems (IS) have profoundly and permanently changed the way organizations conduct business and individuals manage their personal lives. Information, and the computer systems that process it, are increasingly seen as strategic resources. This course should enable students to make business decisions about IS design, acquisition and management; give them skills in IS implementation and evaluation; and prepare them to serve as an interface between persons focused primarily on organization policy and those focused primarily on IS operations. *3 credits.*

PSMA 7121 Public Service Leadership: Involving Groups and Communities in Decision Making*

This course examines techniques of effective leadership, including defining purpose, mobilizing external support and leading stakeholders, that have been successfully developed for use by servant leaders in our communities. Particular emphasis is placed

on mobilizing communities for social change. Students will investigate the applicability of course concepts to their own experiences and community settings. This course will foster the skills necessary for effective collaborative leadership within a civil society. *3 credits.*

PSMA 7122 Strategic Management of Collaborative Governance*

This course explores the theoretical and practical tools available for strategically managing collaborative governance and planning. An emphasis will be placed on planning efforts across sectors (public, private and nonprofit) and among citizens and organizations alike. The historic origins of collaborative governance are explored. *3 credits.*

PSMA 7124 Finance and Budgeting for Effective Governance*

Successful managers must be able to forge relationships among partners while effectively managing complex financial and budgetary issues. This course introduces students to the fiscal pressures and budgetary constraints facing leaders in our society and provides them with the tools and knowledge necessary to manage these issues in an era of increasingly scarce resources. An overview of the budget process and the policy implications of this process is included as well. *3 credits.*

PSMA 7715 Ethics in Public Service

This course probes the ethical realities faced by professionals in government, healthcare, religious, educational and other nonprofit organizations. It is designed to develop and broaden awareness and appreciation of the power wielded by the public service professional, of the values public service professionals are expected to maintain, and of the ethical dimensions of public service management. The program is geared to developing operational skills for ethical analysis and action. *3 credits.*

PSMA 8111-8129 Topics in Public Service: Leadership, Governance and Policy

Designed to meet special needs and interests that are not addressed in other courses and in which faculty expertise exists. Topics include information management for public service, sustainable development, grantsmanship, advocacy and legal issues. *3 credits.*

Concentration Courses**Arts Administration**

**Courses marked with an asterisk are required of students selecting this concentration.*

PSMA 6003 Public Policy Process, Analysis and Evaluation*

The administration of public policy depends on knowledge of the policy process. This course focuses on those stages of the policy process of most interest to public administrators, specifically policy formation, implementation and evaluation. Among the questions to be addressed: How are programs designed? What happens after a policy is made? What methods are used to measure and assess public policy outcomes? What are the methodological, theoretical, political, administrative and ethical problems encountered in policy analysis? The course draws on a variety of substantive policy areas for illustration purposes. Students are encouraged to relate the general material of the course to their specific policy interests. *3 credits.*

PSMA 7313 Resource Development (Fundraising)

Examines principles, techniques and issues surrounding resource development in nonprofit organizations. Focuses on raising funds from private sources, including individuals, corporations and foundations. Annual funds, capital campaigns and endowment support are among topics covered. The board's role in resource development, ethical issues and government regulations is discussed. *3 credits.*

PSMA 7314 Fiscal Management of Nonprofit Organizations

Addresses particular financial, budgetary and accounting issues in tax-exempt organizations. Assumes some knowledge of finance and budgeting. Prerequisite: PSMA 6005 or permission of instructor. *3 credits.*

PSMA 7315 Managing Volunteers in Nonprofit Organizations

Volunteers provide the lifeblood of many nonprofit organizations. Course covers topics of volunteer administration – planning, marketing, recruitment, screening and selection, training, supervision, evaluation and recognition. Understanding legal issues surrounding use of volunteers and designing effective volunteer policies are also discussed. *3 credits.*

PSMA 7316 Principles, Practices and the Environment of Arts Administration*

This foundation course provides an introduction to the history, philosophy and elements of professional arts management. Topics include a survey of arts organizations, the contributions of the arts to the community and various funding and policy issues. Special attention will be given to the relationship of philanthropy to the arts, both historically and in current times. *3 credits.*

PSMA 7317 Strategic Management of Arts Organizations*

This required course explores leadership issues within nonprofit arts organizations. Topics include executive responsibilities, organizational structure and dynamics, internal and external environments, and strategic planning. Particular attention is paid to (1) the interlocking functions and structures of the arts administrator and artistic/creative director; and (2) the roles of the chief executive and board in filling the arts mission. *3 credits.*

PSMA 7318 Marketing and Public Relations in Arts Organizations

An examination of the development, use, and impact of marketing and public relations tools and strategies for visual and performing arts organizations in order to increase subscribers, members, donors and audiences. *3 credits.*

PSMA 7319 Legal Issues in Arts Organizations

Covers the legal rights and responsibilities of artists and arts organizations. Topics include tax exemption issues, board roles/responsibilities and liability, intellectual property, freedom of expression, basic contract law, the structure and content of contracts (including commissioning, performance rights, music licensing), labor relations and other legal issues that arise in arts organizations. *3 credits.*

PSMA 7320 Nonprofit Information Management Systems

Familiarizes students with the use of information technology as both a tool to support nonprofit organization operations and as a

mechanism to exploit the strengths of the nonprofit sector as a whole. Special emphasis is placed on effective planning and management of information technology as well as the appropriate application of such technology within the nonprofit structure. *3 credits.*

PSMA 7321 Grantsmanship

Provides students with a comprehensive overview of grants and contracts from the perspective of furthering the mission of the nonprofit or governmental agency. Trends in grantmaking, grantwriting, funding source identification, and relationship development with funders are among the topics covered. *3 credits.*

PSMA 8322-8327 Topics in Arts Administration

Course is designed to meet special student needs and interests in aspects of arts administration and policy not addressed in other courses and in which faculty expertise exists. Topics include: Administration of Arts Education Programs, Arts and Community Development, etc. *3 credits.*

Concentration Courses

Management of Nonprofit Organizations

**Courses marked with an asterisk are required of students selecting this concentration.*

PSMA 6003 Public Policy Process, Analysis and Evaluation*

The administration of public policy depends on knowledge of the policy process. This course focuses on those stages of the policy process of most interest to public administrators, specifically policy formation, implementation and evaluation. Among the questions to be addressed: How are programs designed? What happens after a policy is made? What methods are used to measure and assess public policy outcomes? What are the methodological, theoretical, political, administrative and ethical problems encountered in policy analysis? The course draws on a variety of substantive policy areas for illustration purposes. Students are encouraged to relate the general material of the course to their specific policy interests. *3 credits.*

PSMA 7311 Foundations of the Nonprofit Sector*

Promotes a thorough understanding of the nature of nonprofit organizations and the nonprofit sector as a whole. Explores size, scope and dimensions of the sector as well as its history, the various perspectives of philanthropy and the changing role of the nonprofit sector in contemporary society. *3 credits.*

PSMA 7312 Leadership and Management in Nonprofit Organizations*

Explores various areas of responsibility in leading and managing nonprofit organizations with particular emphasis on the relationship and interaction between the chief executive and the board of directors. Course is intended as a follow-up to and extension of PSMA 7311. *3 credits.*

PSMA 7313 Resource Development in Nonprofit Organizations (Fundraising)

Examines principles, techniques and issues surrounding resource development in nonprofit organizations. Focuses on raising funds

from private sources, including individuals, corporations and foundations. Annual funds, capital campaigns and endowment support are among topics covered. The board's role in resource development, ethical issues and government regulations is discussed. *3 credits.*

PSMA 7314 Financial Management of Nonprofit Organizations
Addresses particular financial, budgetary and accounting issues in tax-exempt organizations. Assumes some knowledge of finance and budgeting. Prerequisite: PSMA 6005 or permission of instructor. *3 credits.*

PSMA 7315 Managing Volunteers in Nonprofit Organizations
Volunteers provide the lifeblood of many nonprofit organizations. Course covers topics of volunteer administration – planning, marketing, recruitment, screening and selection, training, supervision, evaluation and recognition. Understanding legal issues surrounding the use of volunteers and designing effective volunteer policies are also discussed. *3 credits.*

PSMA 7320 Nonprofit Information Management Systems
Familiarizes students with the use of information technology as both a tool to support nonprofit organization operations and as a mechanism to exploit the strengths of the nonprofit sector as a whole. Special emphasis is placed on effective planning and management of information technologies as well as the appropriate application of these technologies within a nonprofit structure. *3 credits.*

PSMA 7321 Grantsmanship
Provides students with a comprehensive overview of grants and contracts from the perspective of furthering the mission of the nonprofit or governmental agency. Trends in grantmaking, grantwriting, funding source identification and relationship development with funders are among topics covered. *3 credits.*

PSMA 8311-8329 Topics in Nonprofit Management
Designed to meet special student needs and interests in aspects of nonprofit management and policy not addressed in other courses. Each of the following is offered periodically for *3 credits*:

- **Nongovernmental Organizations (PSMA 8311)**
This course explores the role of nongovernmental organizations (NGOs) in the global development of a civil society. Special emphasis is placed on the role of NGOs in the international policy arena, including economic development, human rights, conflict resolution and health and human services. *3 credits.*

- **Nonprofit Advocacy and Lobbying (PSMA 8312)**
In addition to their role in service delivery to the community, nonprofits serve an important function as advocacy organizations, providing information to policy makers on their particular areas of expertise, lobbying government for change, and providing information on particular policy positions. This course provides students with an overview to the nonprofit functions of advocacy and lobbying, examining ways that nonprofits may and may not become involved in the public policy process. The role of advocacy in advancing issues of democracy and social justice are explored, as well as strategies to build social capital within communities. International case studies of innovative and successful advocacy campaigns will be introduced as examples of

advocacy strategies that worked and why. The interdisciplinary curriculum draws on theories from sociology, political science, organization theory and social work. *3 credits.*

- **Legal Issues in Nonprofit Organizations (PSMA 8313)**
This course helps current and future managers of nonprofit organizations understand the legal issues facing them as leaders in the nonprofit sector. Thorough understanding of the legal issues requires not only a firm grasp of the letter and application of the law but also recognition of the context in which the law arose and in which it currently is implemented. This course promotes a deep understanding of nonprofit organizations and their activities and the environments in which they exist, all as illustrated by the ever more complex legal issues that provide the framework within which all nonprofits must operate. *3 credits.*

- **Nonprofit Marketing and Public Relations (PSMA 8317)**
This course examines the special challenges for successful promotion of the nonprofit organization. Integrated marketing communications (public relations, marketing and advertising) will be explored. Emphasis will be on marketing strategies, written tactics, and ways to develop a successful communications program. *3 credits.*

Concentration Courses

Health Policy and Management

**Courses marked with an asterisk are required of students selecting this concentration.*

PSMA 7511 Introduction to the Healthcare System*
Systematic introduction to the healthcare delivery system with emphasis on interactions of government authorities, delivery systems, the financing of health care, regulation, competition, organizational innovations in healthcare services and alternate strategies. *3 credits.*

PSMA 7512 Healthcare Policy*
Current U.S. health policies and their implications with in-depth study of the policy process and analytical approaches to decision-making; special emphasis on the nature and role of healthcare policy studies in decision-making. Examination of comparative international systems. *3 credits.*

PSMA 7513 Healthcare Management*
The role of the contemporary healthcare manager with emphasis on identifying basic managerial knowledge and skills that contribute to effective healthcare management. Extensive use of case studies and supplementary readings. *3 credits.*

PSMA 7514 Healthcare Financial Management and Accounting
Principles of accounting as applied to healthcare organizations and the study of the use of accounting as a healthcare management tool. Financial realities unique to health service organizations with emphasis on healthcare financial management concepts and terms, healthcare financial management techniques and their use and the interpretation and analysis of financial information in healthcare organizations. Prerequisite: PSMA 6005 or permission of instructor. *3 credits.*

PSMA 7515 Introduction to Epidemiology/Social Medicine
Course involves learning the tools of epidemiology, examines several major controversies in social medicine through a careful

reading of the professional writings of leading experts, and explores the implications of epidemiology for health management. *3 credits.*

PSMA 7518 Managing Community Health Systems (Dimensions of Community Health)

This course emphasizes the manager's role, responsibilities and involvement in developing, implementing and evaluating strategies for community health initiatives. Community health focuses on geographically related individuals, groups and organizations sharing health resources. Topics covered include community health assessment with an emphasis on applied epidemiology for planning and outcome purposes, managing distinct types of organizational collaborations, and the application of a population model for community health services and agencies. Opportunities and challenges for integration with organizational systems are also discussed. *3 credits.*

PSMA 8512 Ethics in Health Care: Clinical, Legal and Professional

Emphasis on medical and healthcare ethics involving clinical, practice, legal dimensions, public policy, and professional responsibilities and decision-making. *3 credits.*

PSMA 8513 Human Resource Management in Healthcare Organizations

A survey of human resource management practices and the strategies, systems and functions of human resource management in healthcare organizations. Emphasis on programs, processes and activities related to the acquisition, retention and separation of human resources within various healthcare organizations. Special emphasis on accreditation issues and opportunities for development of team-based healthcare delivery and management. *3 credits.*

PSMA 8514 Healthcare Economics

The use of economic theory to understand problems of organization, delivery and financing of healthcare services with emphasis on the shift toward a market economy and the application of economic principles and tools of economic analysis useful to the healthcare manager. *3 credits.*

PSMA 8515 Topics in Managed Care

Provides an understanding of the market forces and policy drivers within the American healthcare system that led to the evolution and formation of managed care and the inherent key managerial concepts. Compares different forms of managed care organizations, and addresses the strengths and weaknesses of each. *3 credits.*

PSMA 8516 Long-Term Care Administration

Examination of the operation and administration of long-term care organizations and emerging models of long-term care. Emphasis on social, economic, political, quality-of-care and service dimensions of long-term care and long-term care services. *3 credits.*

PSMA 8517 Strategic Planning and Marketing in Healthcare Organizations

Study of the role, functions and application of strategic planning and marketing in healthcare organizations with emphasis on the process of strategy assessment, development and implementation

and the unique aspects of healthcare services and service design/performance as they affect marketing. *3 credits.*

PSMA 8518 Legal Aspects of Healthcare Organizations

Overview of legal issues associated with the delivery of healthcare and the legal pitfalls surrounding everyday practice and administration. Additionally, explores legal aspects of human resource administration in health care, as well as issues of liability and corporate responsibility. *3 credits.*

PSMA 8519 Healthcare Information Technology

Explores the ways information is used as a healthcare management tool. Special emphasis on the importance of information in implementing delivery of care, improving quality of care, and as a catalyst for organizational change. *3 credits.*

PSMA 8520-8529 Topics in Health Management and Policy

Designed to meet special student needs and interests in aspects of health management and policies not addressed in other courses and in which faculty expertise exists. *3 credits.*

Additional General Electives

PSMA 6007 Organizational Theory

Course is designed to introduce students to the conceptual and practical perspectives and tools for perceiving and managing organizational phenomena. Explores formal and informal realities in organizations, including group dynamics, power, and organizational culture, organizational change and resistance; and external environmental factors such as turbulence and shifting priorities. Cases and simulation exercises are incorporated to familiarize the students with practical applications of theoretical concepts. *3 credits.*

PSMA 6008 Information and Computers in Public Service Management

Computers and information systems (IS) have profoundly and permanently changed the way organizations conduct business and individuals manage their personal lives. Information, and the computer systems that process it, are increasingly seen as strategic resources. This course should enable students to make business decisions about IS design, acquisition and management; give them skills in IS implementation and evaluation; and prepare them to serve as an interface between persons focused primarily on organization policy and those focused primarily on IS operations. *3 credits.*

PSMA 7712 Program Evaluation Methods: Outcome Assessment

A review of the approaches to program evaluation focusing on evaluation methodology, design, interpretation and formal report development and presentation. Methods for developing and using standards, indicators and measurements for ascertaining impacts and outcomes will be covered. Provides a special focus on assessing program appropriateness, effectiveness, adequacy, efficiency and cost benefit. Students will be required to complete a program evaluation during the semester. *3 credits.*

PSMA 7715 Ethics in Public Service

This course probes the ethical realities faced by professionals in government, healthcare, religious, educational and other non-profit organizations. It is designed to develop and broaden awareness and appreciation of the power wielded by the public service professional, of the values public service professionals are

expected to maintain, and of the ethical dimensions of public service management. The program is geared to developing operational skills for ethical analysis and action. *3 credits.*

PSMA 8711 Topics in Management and Policy Science: Leadership Institute

Provides an opportunity for intensive interdisciplinary graduate study with professors and students from departments in the Stillman School of Business, the College of Education and Human Services, the Master of Public Administration program and the Master of Healthcare Administration program. Focuses on topical leadership issues and strategies. Addresses ways of managing career decisions under conditions of accelerated change. Please note that there is an extra charge to cover some course materials and meals for the four days of class. This fee will be added to students' tuition bills. *3 credits.*

Applied Research and Practice (Capstone) Experience

Preservice students are required to take PSMA 7991. Other students are required to take PSMA 7991, PSMA 7992, or PSMA 7993.

PSMA 7991 Internship (Field Placement)

Designed for pre-service students or for those with fewer than two years of management experience, this course affords students an opportunity to learn management skills through on-site experience. The students must complete a minimum of 300 hours of managerial or administrative work under the tutelage of a public service, nonprofit, arts or healthcare administrator and complete all assignments given by the professor of the seminar associated with the internship. *3 credits.*

PSMA 7992 Practicum

Consists of a 3-credit, group-consulting project related to an area of public service, nonprofit, arts or healthcare administration or management. The practicum typically requires the writing of a management report and the delivery of an oral presentation for the subject organization. All work is completed under faculty supervision. *3 credits.*

PSMA 7993 Research Seminar

Designed for students currently working full time on a supervisory or management level in the healthcare, nonprofit, or public sector, as well as in the arts, this course gives each individual the opportunity to design and conduct a research project that focuses on a policy or management problem at his/her place of employment or in the public arena. The student presents methodology, results and recommendations both as a written "mini-thesis" and as an oral presentation.

Students who have completed all degree requirements except the research seminar (PSMA 7993) must register for Thesis Continuation (THCN 7999) for the first semester subsequent to the research seminar (PSMA 7993) registration, and THCN 8000 from the second subsequent semester until the completion and presentation of the culminating research project. *3 credits.*

Course Descriptions

Master of Healthcare Administration (M.H.A.)

Core Courses

PSMA 6002 Research Methods and Statistical Analysis

Introduces both quantitative and qualitative research methodologies. Topics include descriptive and inferential statistics, issues in sampling and hypothesis testing, analysis of variance, regression and time series analysis, as well as survey design. Computer software is used for statistical analysis. *3 credits.*

PSMA 6005 Financial Management and Control of Public Service Organizations

Introduction to basic financial, budgetary and accounting concepts, processes and techniques relevant to public service managers; how and why financial decisions are made; how they affect public organization operations, use of financial documents and financial analysis. *3 credits.*

PSMA 6009 Managerial Decision Making

Introductory course in applied game theory. Introduces students to decision trees, Nash equilibria, winning strategies, tit-for-tat, auction theory and end-games. Competitive scenarios are an intrinsic part of the course, as are problem sets and simulations. *3 credits.*

PSMA 7511 Introduction to the Healthcare System

Systematic introduction to the healthcare delivery system with emphasis on interactions of governmental authorities, delivery systems, financing of health care, regulation, competition, organizational innovations in healthcare services and alternate strategies. *3 credits.*

PSMA 7513 Healthcare Management

The role of the contemporary healthcare manager with emphasis on identifying basic managerial skills and knowledge that contribute to effective healthcare management. Extensive use of case studies and supplementary readings. *3 credits.*

PSMA 7514 Healthcare Financial Management and Accounting

Principles of accounting as applied to healthcare organizations and the study of the use of accounting as a healthcare management tool. Financial realities unique to health service organizations with emphasis on healthcare financial management concepts and terms, healthcare financial management techniques and their use, and the interpretation and analysis of financial information in healthcare organizations. Prerequisite: PSMA 6005 or permission of instructor. *3 credits.*

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Emphasis on medical and healthcare ethics involving clinical, practice, legal dimensions, public policy and professional responsibilities and decision making. *3 credits.*

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Use of economic theory to understand problems of organization, delivery and financing of healthcare services with emphasis on the shift toward a market economy and the application of economic principles and tools of economic analysis useful to the healthcare manager. *3 credits.*

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PSMA 7992 Practicum

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Dual Degree Programs

M.A./M.P.A. in International Relations and Public Administration

Seton Hall University's School of Diplomacy and International Relations and College of Arts and Sciences offer a 60-credit dual degree program that combines the Master of Arts in Diplomacy and International Relations with the Master in Public Administration. The joint degree takes advantage of the similarity in the goals of the two programs for preparing professionals equipped to respond to the challenges of public sector administration in a global environment.

The Master of Arts in Diplomacy and International Relations combines global studies in cultural, organizational and economic issues with international management and leadership training, internships and a research project or thesis. The Master of Public Administration is a professional degree for those employed or seeking management positions in the public and nonprofit sectors. The program stresses development of managerial and analytic skills, as well as ethical and professional values.

Admissions Requirements

Students must apply independently to each degree program, preferably indicating at the time of application that they intend to follow the joint M.A./M.P.A. program if admitted. Only one application fee for the two programs is required.

Students may also apply for admission to the dual degree program after admission to either of the two separate programs, but some loss of credits may result from such late admission.

Diplomacy and International Relations Courses (21 credits)

DIPL 6000	Introduction to International Relations Theory and Practice	3
DIPL 6001	Politics of Cultural and Ethnic Pluralism	3
DIPL 6002	International Organizations	3
DIPL 6106	International Economics and Finance	3
DIPL Electives	Three M.A.D.I.R. electives	9

Research & Capstone Courses (9 credits)

DIPL 6310 or PSMA 6002	Research Methods	3
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Choose two of the following:

DIPL 6111 or PSMA 7991	Internship/Field Placement	3
DIPL 6311 or PSMA 7992 or PSMA 7993	Research Project/Applied Practicum	3

Public Administration Courses (30 credits)

Core Courses:

PSMA 6001	Environment of Public Service Management	3
PSMA 6004	Economic Environment of Public Service Management	3
PSMA 6005	Financial Management and Control	3
PSMA 6009	Managerial Decision Making	3
PSMA 6010	Managing Human Resources in Public Service Organizations	3

Concentration Courses:

Four courses in one of the following concentrations: 12

- Public Service: Leadership, Governance and Policy
- Nonprofit Organization Management
- Health Policy & Management
- Arts Administration

Elective:

One additional M.P.A. elective 3

B.A. in Political Science or Sociology/M.P.A.

The departments of Sociology and Political Science of Seton Hall University offer a dual degree program with the Graduate Department of Public and Healthcare Administration that leads to two degrees completed in a five-year span: a Bachelor of Arts degree in Political Science or Sociology and a Master of Public Administration degree.

The pilot program has a two-fold purpose: to provide a broad-based undergraduate education with a comprehensive grasp of one's major in either Sociology or Political Science; and to permit students to earn a Master of Public Administration degree within the timeframe of five years.

Students accepted into this pilot program follow the academic program prescribed by their majors in consultation with their advisers (including the core requirements in Arts and Sciences and the requirements of their majors) during the first three years. If accepted into this pilot programs, students may take M.P.A. courses during their senior years which count toward the completion of the bachelor's degree.

At the end of the fourth year and upon completion of 130 credits, students in the program receive a Bachelor of Arts degree. If the student wants to complete the Five-Year B.A./M.P.A. degree, 12 of those credits must come from the core courses of the graduate public administration program. During the fifth year, 27 additional M.P.A. credits, which includes a 3-credit summer internship, must be completed.

For further information, contact the departments of Sociology, Political Science, or the Graduate Department of Public and Healthcare Administration.

M.B.A. with a Healthcare Administration Concentration

The Center for Public Service/GDPHA provides healthcare administration courses for the Master of Business Administration (M.B.A.) degree program. Please contact the Stillman School of Business for more information.

The Nonprofit Sector Resource Institute of New Jersey

The Nonprofit Sector Resource Institute of New Jersey (NSRI), a project of the Center for Public Service established in 1994, addresses the needs of nonprofit organizations through research, educational enhancement and technical assistance. NSRI is a significant vehicle by which Seton Hall University offers the skills of its faculty and students in support of community building and human service efforts. NSRI enables Seton Hall students to gain practical experience through community-designed projects, thus reinforcing skills learned in the classroom.

As a resource for nonprofits, NSRI disseminates information through its publication, *The Nonprofit CONNECTION: Bridging Research and Practice*. Each issue focuses on a managerial theme such as collaborations, legal issues or leadership, and provides concise reviews of academic research, related book reviews and a list of easily accessed resources.

Nonprofit leaders are encouraged to build support networks and share skills through workshops and seminars organized throughout the year by NSRI staff. Members of the University faculty, practitioner, community, and other accomplished professionals from the nonprofit sector serve on panels or facilitate discussion groups for many of these gatherings.

NSRI also serves as a research center, studying sector issues. Recently examined issues include "Nonprofit Management Education in the United States" and "Intergenerational Programs in New Jersey." Current research projects include an examination of the digital divide in urban areas and the infusion of service learning throughout the curriculum.

The Student Community Assistance Program is the experiential learning component of NSRI's outreach. Proposals from New Jersey's nonprofit organizations are available for selection by University departments as projects related to current academic instruction. All aspects of nonprofit management, resource and program development have been undertaken. This program provides an opportunity for students to gain actual experience and an authentic case study for faculty to use, in addition to helping address community-defined needs.

Department of Physics

McNulty Hall
(973) 761-9050
artsci.shu.edu/physics

Faculty: Ansari (*Chair*); Ashworth; Bubbe;
Jaki (*Distinguished University Professor*); Kemly; Kim; Noori.

Course Descriptions

PHYS 6311-6312 The Philosophical and Cultural Foundations of Physics I-II

Seminar based on selected writings on ancient and modern physics. Limitations and patterns of scientific thought are discussed. Analysis of the motivations of scientific theories. Survey of the limits of applicability of scientific knowledge to such non-science areas as ethics, metaphysics and theology. Open to graduate students and seniors with a major in the sciences, history, philosophy or education. *3 credits each.*

PHYS 6313-6314 Culture and Science I-II

Seminar on the interaction of culture and science. Principle topics: the stillbirths of science in all major ancient cultures (India, China, Pre-Columbian America, Babylon, Egypt); the specific problem of the failure of science to become a self-sustaining enterprise in Classical Greece and among medieval muslims; the birth of science in the medieval Christian West; the cultural roots of Newtonian science; the counter-science of 19th-century German idealism; the 20th-century scene and the cultural presuppositions of science. Open to graduate students and seniors with a major in the sciences, history, philosophy or education. *3 credits each.*

PHYS 6315 Scientific Cosmology

Seminar on past and present trends in cosmology. Discussion of original texts in English translation. Topics: cosmological concepts of the ancient Orient and classical antiquity; the Copernican universe; the infinite universe of Descartes and Newton; the universe of Herschel; cosmology in the 20th century. Open to graduate students and seniors with a major in the sciences, history, philosophy or education. *6 credits.*

Department of Psychology

Kozlowski Hall
(973) 761-9450
artsci.shu.edu/psychology

Faculty: Levy (*Chair*).

The Department of Psychology offers graduate courses designed to impart a working knowledge of the principles of psychological development and of counseling and psychotherapeutic techniques for those who require such knowledge in their professional contacts with others.

Course Descriptions

PSYC 6211 (CPSY 6505) Principles of Learning and Behavior Modification

Basic and applied research from which current behavior modification techniques have been derived. Theoretical and ethical issues that have been raised by their application. Topics include positive control, aversive control, extinction, desensitization, stimulus control and symbolic control of behavior change. *3 credits.*

PSYC 6212 Seminar: Case Studies in Psychology

Review of current literature and research on use and selection of diagnostic techniques; contrast between use of traditional test battery and lifestyle psychodiagnosis in personality assessment; selection of appropriate techniques for developing a case study; contrast of normal, neurotic, psychotic and character disorder behavior from points of view of psychodiagnosis and treatment; oral and written communication of findings and recommendations; use of consultants and collateral services. *3 credits.*

Department of Religious Studies

Fahy Hall
(973) 761-9480

Faculty: Carter; Morley (*Acting Chair*).

Course Descriptions

RELS 6511 (ARCH 6511) Art and Archaeology in the Near East
Discovery of ancient Egypt, and the Levant Mesopotamia in the light of the development of museums and archaeology. "Art" as a category of cultural tradition compared and contrasted with "representations" (i.e., the creation and use of symbolic constructs in their technological, economic, social, ideational and religious contexts.) May be taken in the art history/interpretation section. *3 credits.*

RELS 6612 Archaeology and the Bible

Exploration of the land of the Bible and artifacts of biblical times, reviewing discoveries important for biblical studies. Examination of the values and of the limitations of archaeology for biblical studies and of the values and limitations of the Bible in archaeological studies. *3 credits.*

RELS 6691 Practicum on Biblical Archaeology

Practical application of archaeological methods to biblical topics selected by students in consultation with the professor. Topics generally center on sites and other discoveries pertaining to the patriarchal, tribal, monarchic and prophetic periods. *3 credits.*

These courses are generally taken in conjunction with an archaeological dig.

Department of Social Work

Arts and Sciences Hall
(973) 761-9470

Faculty: Blake; Quartaro (*Chair*).

The Department of Social Work offers a Multidisciplinary Certificate Program in Gerontology. This concentration of study is designed for those who wish to understand and advance the quality of life of older persons. Although most courses are offered at the baccalaureate level, the certificate program is open to post-baccalaureate students also. Two graduate level courses are available: SOWK 6911 and SOWK 6912.

Further information about departmental course offerings is detailed in the undergraduate catalogue. Interested students also may contact the gerontology program coordinator, Emma Quartaro.

Course Descriptions

SOWK 6911 Introduction to Gerontology

Overview and critical analysis of the basic facts about aging including demography, biology, psychology, sociology and policy analysis with emphasis on applied aspects of gerontology for advanced students and practitioners in the field. *3 credits.*

SOWK 6912 Psychosocial Aspects of Aging

Critical analysis of the person/situation of older adults focusing on factors contributing to behavioral stability and change over time. Includes age-relevant aspects of personality theory (ego psychology) and general systems analysis within the ecological perspective (life model) of direct service practice. *3 credits.*

Stillman School of Business



Kozlowski Hall
5th and 6th Floors
(973) 761-9222
business.shu.edu

Dean: Karen E. Boroff, Ph.D.
Associate Dean of Academic Services: Karen A. Passaro, M.B.A., J.D.
Associate Dean of Undergraduate and M.B.A. Curricula: Joyce A. Strawser, Ph.D.
Director of Graduate Admissions: Lorrie A. Dougherty

Mission Statement

The mission of the Stillman School of Business is to be the school of choice for business education in the state of New Jersey and to be known nationally as among the best business schools within a Catholic university.

Seton Hall University's Stillman School of Business, established in 1950, provides professional education geared toward the complex practical needs of business leaders. The Stillman School maintains professional accreditation from the Association to Advance Collegiate Schools of Business International (formerly known as the American Assembly of Collegiate Schools of Business). Seton Hall was the first private university in the state of New Jersey to have earned this distinction, which recognizes that its business programs meet the highest academic and professional standards.

The Stillman School offers a Master of Business Administration (M.B.A.), as well as Master of Science (M.S.) degrees in Accounting, International Business, Professional Accounting and Taxation.

Joint degree offerings include an M.S. in International Business/M.B.A., M.S. in International Business/M.A.D.I.R., M.B.A./J.D., B.A./M.B.A., and M.S.N. in Health Systems Administration/M.B.A., and M.B.A./M.A.D.I.R. (under development).

Advanced Certificates in several business discipline areas, the Certificate in Graduate Business, as well as undergraduate degree programs, also are available. A Certificate in International Business is offered to Seton Hall graduate students in most University programs (excluding the M.S. in International Business).

In support of the School's academic programs, the Division of Business Research, Center for Leadership Studies, Center for Tax Research, and Institute for International Business provide professional and continuing education forums to the business and Seton Hall communities.

Technological support services are provided by the Stillman School's Andersen Planning Skills Center, which encourages and supports information technology literacy and application, and University computing. All business students should maintain Stillman School e-mail accounts in order to keep abreast of current University activities.

Graduate Business Departments

Department of Accounting and Taxation

Faculty: Abdallah; Easton; Falk; Gelb; Giles; Greenspan (*Chair*); Greenstein (*Director, Center for Tax Research*); Henry; Koch; Malandra; Murtuza; Shapiro; Strawser.

Department of Computing and Decision Sciences

Faculty: Epstein; Gibson; Kodaganallur; Rosenthal (*Chair*); Shim; Weitz; Wilamowsky; Yang.

Department of Economics

Faculty: Dall (*Chair*); Ikphoh; Kant; Ketkar; Kucsma; Tzannetakis.

Department of Finance and Legal Studies

Faculty: Amoroso; Bird; Harrington; Hunter; Knopf; Loviscek (*Chair*); McCauley Parles; O'Sullivan; Xu; Yoon.

Department of Management

Faculty: Alexander; Amar; Boroff; Coll (*Chair*); Forbes; Mayo (*Director, Center for Sport Management*); McCarthy; Stelzer; Stiles; Stoever; Yin.

Department of Marketing

Faculty: Kritiz; Lozada; Olszewski; Pirog; Simonson; Wisenblit (*Chair*).

Center and Institute Directors

Center for Leadership Studies: Lisa McCauley Parles, J.D.
Center for Sport Management: Ann M. Mayo, Ph.D.
Center for Tax Research: Brian Greenstein, Ph.D.
Institute for International Business: Héctor Lozada, Ph.D.

Graduate Business Programs

General Academic and Professional Objectives

Organizational success depends upon reliance on those who demonstrate a comprehensive understanding of current practices and interdisciplinary business issues in combination with strong leadership, management, decision making and communication skills.

The Master of Business Administration (M.B.A.) and Master of Science (M.S.) programs serve the needs of their respective constituencies in a variety of ways. Both the M.B.A. and M.S. degrees incorporate practical responses to the rapidly changing business environment including, but not limited to, the effects of technology, diversity and globalization. The M.B.A. provides the comprehensive and broad-based management skills and knowledge required of today's business leaders in all fields. Each M.S. program focuses on one specific field providing managers with updated skills and information in their respective areas.

Convenience of Graduate Course Offerings

Coursework in the M.B.A. and M.S. programs is geared in content and format to professionals employed on a full-time basis within the business environment. Most upper-level classes meet one evening per week starting at 6:15 p.m. or 8:35 p.m. For added convenience, two courses (or a 4-6 credit module) can usually be taken back-to-back in one evening, thereby accelerating degree completion.

Graduate Business Program Admission Requirements

Although graduate applications are considered on a rolling basis, the 2002-03 priority application deadlines are June 1 (fall), November 1 (spring) and March 15 (summer). Admission is selective. For consideration, applicants must hold a baccalaureate degree from an accredited college or university. International applicants must hold an undergraduate degree, which is the equivalent of four years of undergraduate study in the United States. It is strongly recommended that students have any international transcripts reviewed by World Education Services at 1-800-937-3895 or support@wes.org prior to submitting them with their application. The Stillman School welcomes applicants from business and non-business undergraduate majors.

Although all requests will be considered based on individual merit, a minimum GPA of 3.0 (on a 4.0 scale) and a GMAT score of 500 are required. The Graduate Admissions Committee of the Stillman School reviews all of the following submitted evidence of relevant professional and academic potential:

- work experience and credentials;
- personal statement;
- grade point averages;
- letters of professional and academic recommendation; and
- scores on the GMAT.

Students who have satisfied the following criteria may be waived from taking the GMAT per a written request to the Director of Graduate Admissions:

- M.B.A. candidates who hold a Ph.D., J.D. or M.D. degree only;
- M.S. Taxation candidates who have passed the uniform C.P.A. exam or hold a J.D. degree;
- M.S.I.B. candidates who have three or more years of international work experience documented in both their resume and one Letter of Recommendation; and
- M.S.I.B. candidates who have already earned a graduate degree in another field of study.

Information pertaining to GMAT test dates and locations should be directed to the Education Testing Service at 1-800-353-8570 or gmat@ets.org

"What do we live for if it is not to make life less difficult for each other?"

GEORGE ELIOT

Graduate Business Program Application Procedure

The Stillman School utilizes a self-managed application packet that affords the student the opportunity to send all the required materials together, or individually as they are acquired. A formal review of the application will not take place until the following have been received:

- Stillman School application form;
- official transcript from each college and university attended for credit towards previous degrees (including Seton Hall);
- official GMAT score sheet;
- official TOEFL score sheet (international applicants only);
- written 250-500 word personal statement;
- professional resume;
- three professional or academic recommendations (mix preferred);
- copies of relevant professional certificates and licenses; and
- application fee of \$75, check payable to Seton Hall University.

Students applying to the M.B.A./M.S.N.–College of Nursing, M.S.I.B./M.A.D.I.R.–School of Diplomacy and International Relations or the M.B.A./M.A.D.I.R., three of our joint degree programs, are required to fill out one application which will be shared between the two graduate departments. Candidates should, however, be prepared to submit official transcripts and official GMAT/GRE score sheets to both. The candidate must meet the admissions standards and be accepted by each school in order to enter the joint program. All joint program applications are subject to the same deadlines as the other graduate business programs offered by the Stillman School.

Students applying to obtain a Certificate of Advanced Study in Business or Taxation must submit a completed application form, an official transcript from their graduate study and a \$50 fee, payable to Seton Hall University.

Students applying to obtain a Certificate in Graduate Business must submit a completed application form, official transcripts from all colleges attended, a professional resume and a \$100 application fee, check made payable to Seton Hall University.

Individual programs reserve the right to require additional information or requisites pertinent to their specific areas. For a prospectus and application packet particular to an individual program, contact the Stillman School Office of Graduate Admissions, (973) 761-9262 or e-mail busgrad@shu.edu

Academic Information

Academic Standing

In order to be admitted into the Graduate Business Capstone course and certified for graduation, students must have a cumulative GPA of 3.0. A student whose GPA falls below 3.0 after the completion of 12 credits will be placed on probation. Each student's academic progress will be reviewed after the completion of 12 additional credits. At that time, if a student's GPA does not meet the 3.0 requirement, the student will be subject to dismissal from the program.

Leave of Absence

Students unable to register for a regular semester because of illness, extraordinary job requirements, military service or other reasons may be granted a leave of absence without penalty. A leave of absence ordinarily is limited to one year. Requests for a leave of absence must be made in writing to Enrollment Services and the Associate Dean of Academic Services.

Students who have been granted such leave must apply for reactivation not less than eight weeks prior to the start of the semester in which they plan to return.

Advanced Standing

Graduate credits earned in an AACSB-accredited business program within the last five years may be accepted in partial satisfaction of degree requirements by the Stillman School. A maximum of 6 credits may be accepted when the grade earned is "B" or higher and the course has not been applied to a prior degree. Students requesting transfer credits should write to the Associate Dean of Academic Services. Evaluations and transfer of credits are made on the basis of specific courses having substantial similarity of content to courses offered in the respective graduate program. For the M.B.A., all students must complete at least 30-credit hours of coursework at the Stillman School.

Visiting Students

Graduate students in good standing at other universities may be granted permission to register for up to 12 credits at the Stillman School by submitting a letter of authorization from the dean of the graduate school in which they are enrolled and by filing an application. No visiting student may register for any graduate course in the Stillman School without the approval of the respective program director. For more information regarding this procedure, contact the Office of Graduate Admissions at (973) 761-9262 or busgrad@shu.edu

Time Limit

Candidates for the degree of Master of Business Administration or Master of Science are expected to fulfill all requirements for the degree within five years after they have commenced their studies. Official leaves of absence may be granted by the Associate Dean of Academic Services, and such absences may extend the completion time of the degree to six years.

Graduate Assistantships

The Stillman School awards graduate assistantships each semester to a number of accepted full-time students exhibiting high academic and professional potential. Graduate assistants are assigned 20 hours of work per week in support of faculty research and administrative support. The award consists of a one-semester, renewable appointment with a stipend of \$450 per month and remission of tuition for 12 credits per Fall and Spring semesters at the graduate business rate.

Applications for these assistantships must be obtained from the Office of Graduate Business Admissions, (973) 761-9262, and be submitted, along with a resume describing technical and administrative skills, by the following deadlines:

Fall Semester	June 1
Spring Semester	November 1
Summer Semester	March 1

Master of Business Administration

Degree Requirements

The M.B.A. curriculum is designed to provide a strong foundation in accounting, economics, the behavioral and quantitative sciences, and the functional areas of business. The Pre-Qualification, Foundation and Essential Knowledge Sequences provide the base from which each student can select a concentration area.

Currently, concentrations include accounting, finance, financial markets, institutions & instruments, healthcare administration, information systems, international business, management, marketing, pharmaceutical management and sport management. Students are required to complete 12 credits in their chosen concentration (15 credits for accounting).

The remaining credits are electives selected from a field in the M.B.A. curriculum other than the student's field of concentration. Electives are limited to two courses in any single field. The capstone of the program, Business Policy (BMBA 9400), which is normally taken in the last semester, integrates the knowledge gained in previous courses.

In recognition of the University's mission to form students as global servant leaders, and as part of the graduation requirement for the M.B.A. degree, students are required to complete 20 hours of volunteer work for a community-based organization of their choice (M.B.A. Service Project).

Through completion of the program, students acquire the necessary background to integrate concepts and techniques from all of the various business disciplines.

M.B.A. Curriculum

I. Pre-Qualification Sequence (see description below)

II. Foundation Sequence

From Concept to Market – Four Intensive Hubs:	
Decision Making I - Hub I (BMBA 9101)	4 credits
Decision Making II - Hub II (BMBA 9102)	4 credits
Financial Accounting and	
Legal Considerations - Hub III (BMBA 9103)	4 credits
Human Interaction and	
Market Orientation - Hub IV (BMBA 9104)	4 credits

III. Essential Knowledge Sequence

Social Responsibility (BMBA 9201)	2 credits
International Perspective (BMBA 9202)	2 credits

IV. Breadth Sequence (Elective Courses) 8 credits

8 credits to be selected from the following 2-credit courses or from any graduate offerings (check for any prerequisites). Other offerings listed by department on pages 94-109.	
E-Commerce*	
Economics of Strategy	
Financial Markets and Institutions	
Leadership and Team Building*	
Management Accounting	
Management and Application of Information Technology	
Cases in Strategic Marketing	
Operations Management	
Topics in Commercial Law*	
Internships (maximum of 6 credits)*	
Risk & Insurance*	
Supply Chain Management*	
* No prerequisites required	

V. Concentration (12/15 credits)

A minimum of four 3-credit courses from one of the following tracks:

Note: Unless otherwise noted, Hubs I-IV are prerequisites for all concentration courses. Full-time students, consult Dean's Office for appropriate course sequencing.

Accounting (15 credits)**
 Finance
 Financial Markets, Institutions & Instruments
 Healthcare Administration
 Information Systems
 International Business
 Management
 Marketing
 Pharmaceutical Management
 Sport Management

** Successful completion of the program meets New Jersey educational requirements for the CPA license. Students may wish to consult with the accounting department chair as to course selection to best prepare for the CPA examination.

Note: Options for earning a "second concentration" are described below.

VI. Capstone – BMBA 9400

2 credits

Pre-Qualification Sequence

Pre-qualification courses are designed to help students update and refresh their basic business skills. All students must complete the pre-qualification sequence as outlined below, or in the alternative, waive certain courses based upon prior coursework or by examination. The pre-qualification courses and their instructional hours are as follows:

Accounting (BMBA 8010)	16 hours (Required for Hub III)
Economics (BMBA 8011)	16 hours (Required for Hub I)
Finance (BMBA 8013)	16 hours (Required for Hub I)
MIS (BMBA 8014)	8 hours (Required for Hub II)
Math (BMBA 8018)	8 hours (Required for Hub II)
Statistics (BMBA 8019)	12 hours (Required for Hub II)

Students may apply for waivers of pre-qualification courses through the director of admissions. The Admissions Committee will review all requests in conjunction with the dean's office. The waiver policies for specific pre-qualification courses are as follows:

Accounting: Financial Accounting or the equivalent taken within seven years of enrolling in the M.B.A. program.

Economics: Six credits of undergraduate economics taken within seven years of enrolling in the M.B.A. program. A student with only 3 credits of undergraduate economics may opt to take the Economics Pre-Qualification Challenge Examination; a passing grade on that exam will waive the requirement to take the pre-qualification course.

Finance: A business degree earned or any basic finance course taken within five years of enrolling in the M.B.A. program.

MIS, Math and Statistics: There are four areas of prerequisite knowledge for Hub II. These areas are: (1) basic mathematics; (2) basic statistics; (3) information technology "office" skills (i.e., proficiency in word processing, spreadsheet design and implementation, presentation graphics, and Web usage); and (4) fundamental concepts of information technology. All entering students must either place out of each of these skill areas via the corresponding "challenge" exam offered by the School, or take and pass the pre-qualification course in that area. The Math pre-

qualification course (BMBA 8018) will be waived for students who possess an undergraduate degree with a major in math.

Second Concentration Option

The second concentration option allows students to complete 12 credits of coursework (15 credits for accounting) in an additional concentration area. Two options are provided:

- (1) students may take **one** 3-credit concentration course in fulfillment of their Breadth Sequence requirement. Students will take **three additional** courses in the concentration area (**four additional** courses for accounting). The degree will increase by 9 credits (12 for accounting); or
- (2) students may take **four additional** 3-credit courses in the concentration area outside of their Breadth Sequence requirement (**five additional** for accounting). The degree will increase by 12 credits (15 for accounting).

Master of Science Programs

The Stillman School offers Master of Science (M.S.) degrees in accounting, international business, professional accounting and taxation.

Please note: Program directors must be consulted concerning prerequisite coursework, course sequencing and choice of electives. Students lacking prerequisite knowledge may need to successfully complete additional coursework/credits or part of the pre-qualification sequence in order to fulfill the M.S. requirements. Additional program-specific requirements are included under each degree and are subject to change as required by the Stillman School.

Master of Science in Accounting

Director: James Greenspan, Ph.D.

(30-60 credits; total credits depending on number of course-by-course waivers granted by the program director).

Seton Hall's Master of Science (M.S.) in Accounting is geared toward graduates of non-accounting programs. The program is of particular interest to individuals with liberal arts, social science, education, nursing or engineering degrees. Students have the opportunity to earn this academic credential in accounting while preparing for eligibility for such certifications as the CPA, CMA, and CIA.

Degree Requirements

Completion of the M.S. in Accounting requires a minimum of 30 credits of approved coursework, composed of 12 credit hours of required courses and 18 credit hours of elective courses.

Three restrictions apply: First, no course may be transferred if it has been applied to a prior degree. Second, a minimum of 24 credit hours of courses must be earned at the Stillman School. Third, from all college coursework a student must have completed 27 semester hours of accounting beyond the introductory financial and managerial accounting courses of which 18 hours must be earned at the Stillman School.

Prerequisite Knowledge

Most business majors who demonstrate sufficient proficiency in managerial economics, statistics and the functional areas of business, such as financial accounting and corporate finance, will have satisfied the general business prerequisite coursework. The only accounting prerequisite is the intermediate accounting sequence. At Seton Hall, the intermediate accounting sequence can be satisfied by successfully completing the sequence at the undergraduate (BACC 3110, 3111) or graduate (BACC 7111, 7112) levels.

Upon acceptance into the program, all students must meet with the program director to draw up a plan of study.

Course Sequence and Program Length

Candidates for the master's degree are expected to fulfill all degree requirements within a maximum of five years after they have begun their studies. The program can be completed in approximately 1½ academic years (evenings only).

M.S./Accounting Curriculum

I. Required Courses (12 credits)		Credits
BACC 7114	Cost Accounting	3
BACC 7121	Federal Income Taxation of Individuals	3
BACC 7123	Auditing	3
BACC 8001	Accounting Seminar Course	3
II. Elective Courses (18 credits)		
Approved Accounting or Taxation electives (9 credits)		9
Approved General Business electives (9 credits)		9
		Total: 30

Choose from approved M.B.A. courses including:

BFIN 7211	Working Capital Management	3
BFIN 7212	Management of Long-Term Financing	3
BLAW 7313	Uniform Commercial Code	3
BMIS 7712	Computer Programming	3

(Consult program director for other approved electives).

Master of Science in Professional Accounting (30 credits)

Director: James Greenspan, Ph.D.

Seton Hall's Master of Science in Professional Accounting is intended to meet the 150-credit hour requirement, which will enable accounting majors to qualify to sit for the CPA exam and to earn a graduate degree at the same time.

This curriculum, also suited for accountants seeking to upgrade their skills, was developed in collaboration with top-level specialists to provide a practical graduate accounting education. It caters to those who agree that:

- those proactively securing a competitive edge in this increasingly innovative field will be most marketable as tomorrow's senior-level accounting professionals; and
- organizational success depends upon reliance on those who demonstrate strong leadership, management and decision-making skills in combination with a comprehensive understanding of current practices and interdisciplinary issues in their field.

Degree Requirements

Completion of the M.S. in Professional Accounting requires a minimum of 30 credits of approved coursework, composed of 21 credit hours of accounting courses and 9 credit hours of non-accounting courses.

Two restrictions apply:

- no course may be transferred if it has been applied to a prior degree; and
- a minimum of 24 credit hours of courses must be earned at the Stillman School.

Course Sequence and Program Length

Candidates for the master's degree are expected to fulfill all degree requirements within a maximum of five years after they have begun their studies. The program can be completed in approximately one year (evenings only).

M.S./Professional Accounting Curriculum

A. Accounting Courses (21 credits)

		Credits
1. Seminar Course		
BACC 8001	Accounting Seminar	3
2. Accounting Electives*		
<i>Select 18 credits</i>		
BACC 7101	Financial Statement Analysis	3
BACC 7106	Financial Instruments	3
BACC 7114	Cost Accounting	3
BACC 7117	International Accounting	3
BACC 7119	Fund Accounting	3
BACC 7121	Federal Income Taxation of Individuals	3
BACC 7122	Federal Income Taxation of Businesses	3
BACC 7123	Auditing	3
BACC 7124	Comprehensive Accounting Problems	3
BACC 7125	Advanced Accounting Theory	3
BACC 7140	Cost Management	3
BACC 7190	Accounting Internship I	3
BACC 7191	Accounting Internship II	3
BACC 7199	Directed Research	3

B. Business Courses (9 credits)

1. BLAW 7313	Uniform Commercial Code	3
2. International Business Courses		
<i>Select 3 credits</i>		
BACC 7118	Doing Business in the Middle East	3
BFIN 7216	International Finance	3
BFIN 7235	Global Financial Markets	3
BLAW 7323	Transnational Business Law	3
BMGT 7527	International Management in Developing Countries	3
BMGT 7930	International Business Management	3
BMGT 7991	Management of Foreign Operations	3
BMKT 7617	International Marketing	3
ECON 7441	International Trade	3

3. Business Course Offerings

Select 3 credits

Choose from approved graduate business courses.

Total: 30

*Students need to meet with program director to determine specific program of study.

Master of Science in International Business (33 credits)

Director: Héctor Lozada, Ph.D.

Seton Hall's Master of Science in International Business (M.S.I.B.) serves the educational needs of more than four thousand international firms with headquarters or subsidiaries in New Jersey. This specialized, interdisciplinary graduate program prepares business professionals to successfully handle international business challenges and opportunities. Emphasis is on business expertise in a variety of substantive areas, as well as cultural awareness, global sensitivity and development of skills needed for success in a rapidly changing business environment.

Degree Requirements

Completion of the M.S.I.B. requires a minimum of 33 credits of approved coursework composed of 21 credit hours of required courses and 12 credit hours of elective courses.

Two restrictions apply:

- no course may be transferred if it has been applied to a prior degree;
- a minimum of 27 credit hours of courses in international business must be earned at the Stillman School.

Prerequisite Knowledge

As an advanced Master's level degree, it is highly recommended that students demonstrate sufficient proficiency in macroeconomics, management and organizational behavior, and the functional areas of business, such as managerial accounting, corporate financial management and marketing strategies. Students who have not fulfilled the prerequisites need to consult the program director concerning undergraduate or graduate options (including courses in the M.B.A. pre-qualification sequence) that would enhance their overall professional and personal objectives.

Course Sequence and Program Length

Candidates for the Master's degree are expected to fulfill all degree requirements within a maximum of five years after they have begun their studies. The program can be completed in approximately two academic years through careful planning and course selection. Note that elective courses in marketing, management, finance or economics should be taken only after the functional courses in international marketing, management, finance or trade have been taken.

M.S./International Business Curriculum

Program Model		Credits
Semester I:	Global Business Environment (BINT 6901)	6
*Semester II:	(generally, Spring Semester)	
	International Finance (BFIN 7216)	3
	International Trade (ECON 7441)	3
*Semester III:	(generally, Fall Semester)	
	International Marketing (BMKT 7617)	3
	International Management (BMGT 7931)	3
Semester IV:	Two international business electives (3 credits each)	6

Semester V:	International business elective	3
	Global Strategy/Capstone Course (BINT 6907)	3
	Practicum (BINT 7900)	3
	Total:	33

The practicum is comprised of an approved independent research project or internship with a U.S.-based international business/agency or a graduate business course or an affiliated trip outside the U.S. sponsored by the Stillman School. Approval is granted by the director of the Institute for International Business.

*Note: Semester II and III courses may be taken in any order.

International Business Electives*		Credits
<i>Select 9 credits</i>		
BACC 7118	Doing Business in the Middle East	3
BFIN 7221	Risk Management	3
BFIN 7235	Global Financial Markets	3
BFIN 7237	Globalization	3
BHRM 7535	International Human Resource/Management	3
BHRM 7550	Cultural Dimensions of International Business	3
BINT 9900	Seminar on the Multinational Corporation	3
BLAW 7323	International Law	3
BMGT 7527	International Management in Developing Countries	3
BMGT 7529	Doing Business in China	3
BMGT 7991	Management of Foreign Operations	3
BMIS 7442	Electronic Commerce	3
BMKT 7615	Comparative Marketing Systems	3
BMKT 7993	Multinational Corporations in the Asian Market	3
BQUA 7823	International Operations Management	3
BTAX 7039	Multinational Tax Seminar	3
ECON 7410	Global Economic Change	3
ECON 7412	The Japanese Economy	3

*Additional electives may be substituted through consultation with the program director. Electives include, for example: BFIN 7230-Portfolio Analysis; and BFIN 7231-Futures, Options and Swaps; and BFIN 7232-Investment Banking.

M.S./International Concentrations (Optional)

International Management/Marketing
International Economics/Finance
International Accounting/Finance

In fulfillment of one of the three concentrations, 12 credits of international business electives (including the practicum) must be selected within the specialized field, through consultation with the program director.

Please see pages 90-91 for information on the joint M.S.I.B./M.B.A. and M.S.I.B./M.A.D.I.R. programs.

Master of Science in Taxation (30 credits)

Program Director: Brian Greenstein, Ph.D.

The Master of Science in Taxation curriculum provides intensive exposure to the basic areas of taxation, while permitting students to take courses designed to accommodate particular specializations.

Prerequisite Knowledge

Students must successfully complete academic coursework in basic business administration subjects as a prerequisite for taking any courses in the program. In general, this includes sufficient understanding of economics, computer science, statistics, business law and the functional areas of business, such as accounting, finance, management and marketing. Students who have not fulfilled the prerequisites need to consult the program director concerning undergraduate or graduate course options.

General Requirements

Completion of the M.S. in Taxation degree requires 30 semester hours of coursework composed of 15 credit hours of required courses and 15 credit hours of elective courses.

As a general rule, students must successfully complete 10 courses in taxation. A maximum of 6 credit hours of coursework earned in an accredited graduate taxation program may be accepted in partial satisfaction of degree requirements by the Stillman School.

Two restrictions apply:

- no course may be transferred if it has been applied to a prior degree; and
- a minimum of 24 credit hours of courses in taxation must be earned in the Stillman School.

Course Sequence and Program Length

Students will arrange their program so that prerequisite knowledge requirements are met first, required courses second, and elective courses third. Candidates for the master's degree are expected to fulfill all requirements for the degree within five years after they have begun their studies. The program can be completed in as few as two years, in consultation with the program director.

M.S./Taxation Curriculum

I. Required courses (15 credits)		Credits
BTAX 6001	Concepts of Income Determination	3
BTAX 6003	Tax Research	3
BTAX 6005	Taxation of Corporations and Shareholders	3
BTAX 6007	Federal Estate and Gift Taxation	3
BTAX 6009	Tax Accounting	3
II. Elective courses (15 credits)		
<i>(Prerequisites: As noted in course descriptions, pp. 97-99)</i>		
BTAX 7011	Advanced Concepts of Taxation	3
BTAX 7012	Federal Income Tax Practices and Procedures	3
BTAX 7014	"S" Corporations	3
BTAX 7015	Consolidated Returns	3
BTAX 7016	Corporate Reorganizations	3

BTAX 7018	Executive Compensation, Pension and Profit Sharing Plans	3
BTAX 7020	Federal Income Taxation of Fiduciaries	3
BTAX 7025	Estate Planning	3
BTAX 7030	Tax Problems of Partners and Partnerships	3
BTAX 7033	Multinational Tax Considerations	3
BTAX 7034	Business Planning	3
BTAX 7037	State and Local Taxation	3
BTAX 7039	Multinational Tax Seminar	3

Total: 30

Certificate Programs

Certificate in International Business

Offered as part of the Master of Business Administration program, this certificate consists of interdepartmental course offerings. In addition to providing an opportunity for matriculated Seton Hall graduate students to study international business, the certificate is available on a non-degree basis to qualified working professionals who are current Seton Hall graduate students who hold an undergraduate degree, or to students who hold a graduate degree.

Candidates who wish to qualify for a Certificate in International Business must complete 11/12 credit hours (4 courses) from the following list of courses:

BACC 7117	International Accounting	3
BACC 7118	Doing Business in the Middle East	3
BFIN 7216	International Finance	3
BFIN 7221	Risk Management	3
BFIN 7235	Global Financial Markets	3
BFIN 7237	Globalization	3
BHRM 7535	International Human Resource Management	3
BHRM 7550	Cultural Dimensions of International Business	3
BINT 6901	Global Business Environment (counts as two courses)	6
BINT 6907	Global Strategy	3
BINT 7900	Global Business Practicum (or Stillman International Business Trip – consult Program Director for approval)	3
BINT 9900	Seminar on the Multinational Corporation	3
BLAW 7323	International Business Law	3
BMBA 9202	International Perspective	2
BMGT 7527	International Management in Developing Countries	3
BMGT 7529	Doing Business in China	3
BMGT 7931	International Management	3
BMGT 7991	Management of Foreign Operations	3
BMIS 7442	Electronic Commerce	3
BMKT 7615	Comparative Marketing Systems	3
BMKT 7617	International Marketing	3
BMKT 7993	Multinational Corporations in the Asian Market	3
BTAX 7039	Multinational Tax Seminar	3
ECON 7410	Global Economic Change	3
ECON 7412	The Japanese Economy	3

ECON 7441	International Trade	3
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Additional electives may be approved by the program director.

Certificate in Sport Management

Offered as part of the Master of Business Administration program, this certificate consists of interdepartmental course offerings aimed at preparing business professionals for the sport industry. The advanced Certificate in Sport Management is available to professionals holding an M.B.A. or M.S. business administration degree.

Candidates who wish to qualify for the advanced certificate in sport management must complete 15 credit hours from sport management course offerings.

Certificate in Graduate Business

The Certificate in Graduate Business allows students with a 4-year undergraduate degree to earn a broad-based graduate business certificate. To obtain the certificate, students must complete five of the following six courses (15 credits):

BACC 6101	Financial Accounting (Summer only)
BLAW 6301	Legal and Social Environment of Business (Summer only)
BMIS 6701	Management Information Systems (Spring only)
BMGT 6503	Management and Organizational Behavior (Fall only)
BMKT 6603	Marketing Strategies (Fall only)
ECON 6402	The National Economy (Spring only)

Because the certificate is not a degree, graduates from the certificate program do not participate in University Commencement Exercises.

Students wishing to formally apply to the Stillman School's M.B.A. program upon completion of the certificate must follow the regular application process described on page 83. Courses taken for the certificate can be applied to reduce the number of credits that would otherwise be completed for the M.B.A. degree.

Certificate of Advanced Study

The Certificate of Advanced Study consists of a five-course program of additional graduate education for those business professionals who have already completed a graduate degree in business. Students may choose five courses from one of the following areas (*Students may not repeat courses for which they already have earned credit*):

Accounting
Business Law
Finance
Information Systems
International Business
Management
Marketing
Sport Management
Taxation

In addition to the aforementioned, students also may develop an individual study plan with the M.B.A. curricula in consultation with a selected faculty member. This individual study plan may

center on a theme, such as portfolio management, small business management or international management.

Depending upon the concentration area selected and the specifics of the graduate business degree possessed by the applicant, applicants may be required to take additional core graduate business courses as a prerequisite to the advanced courses.

The certificate is awarded when the student completes five approved courses within three years, maintaining a 3.0 GPA. Because the certificate is not a degree, graduates from the certificate program do not participate in University Commencement Exercises.

Stillman Business Review and Update Certificate

Any person possessing an undergraduate degree may select all or part of the prequalification sequence in order to enhance or update their professional skills. The successful completion of at least three segments will result in the award of the Business Review and Update Certificate. Application is made to the director of graduate admissions.

Joint Degree Programs

M.S.I.B./M.B.A. Program Model

The M.B.A. Program requires 42 credits (45 for a concentration in Accounting); the M.S.I.B. program requires 33 credits. If these programs were taken separately, 75 (or 78) credits would be required.

The Joint Program Model

The M.B.A. Component:

Pre-Qualification sequence courses	non-credit
Hubs I-IV	16 credit hours
Social Responsibility	2 credit hours
Concentration Courses	12 credit hours (15 for Accounting)
M.B.A. CREDIT HOURS REQUIRED	30/33

The M.S.I.B. Component:

The Global Environment – BINT 6901	6 credits
International Required Courses (4)	
BFIN 7216, ECON 7441, BMKT 7617, BMGT 7931	12 credits
International Elective Courses (3)	9 credits*
Practicum – BINT 7900	3 credits
Global Strategy (Capstone) – BINT 6907	3 credits

*From approved list. Consult program director.

M.S.I.B. CREDIT HOURS REQUIRED 33

TOTAL CREDITS REQUIRED 63/66

Notes:

1. Joint M.B.A./M.S.I.B. students are not required to take International Perspectives-BMBA 9202.
2. M.S.I.B. Electives (9 credits) are substituted for M.B.A. Electives (8 credits) in the joint program.
3. Joint M.B.A./M.S.I.B. students will take the M.S.I.B. Capstone in Global Strategy in lieu of BMBA 9400.

M.S.I.B./M.A.D.I.R. Program

Director: Héctor Lozada, Ph.D.

Seton Hall's Stillman School of Business offers a dual degree program that combines the Master of Science in International Business with a Master of Arts in Diplomacy and International Relations (M.S.I.B./M.A.D.I.R.). The joint degree takes advantage of the synergy in the goals of the two programs, preparing professionals equipped to respond to the challenges of the global environment. The joint degree can be completed in 57 credits, instead of the 78 credits that would be required to complete the two programs separately. The program model is found below.

The M.S.I.B. is a specialized interdisciplinary degree program that prepares business professionals to successfully handle global strategic management issues. The program trains global managers to succeed in the dynamic global marketplace and to serve as leaders for such globally focused institutions as multinational corporations, business organizations that seek to take advantage of international opportunities, international organizations with an economic/business profile, or economic divisions of international organizations. The M.A.D.I.R. combines global studies in cultural, organizational and economic issues with international management and leadership training, internships and a research project or thesis.

Admissions Requirements

Students must apply independently to each degree program, preferably indicating at the time of application that they intend to follow the joint M.S.I.B./M.A.D.I.R. program if admitted. Only one application fee for the two programs is required. Students may also apply for admission to the joint degree program after admission to either of the two separate programs, however an early application (no later than 12 credits) is suggested.

Prerequisite Knowledge

As a student in a joint master's-level degree program, candidates will be challenged by a curriculum that includes coursework in macroeconomics, management, and organizational behavior, and the functional areas of business, such as managerial accounting, corporate financial management and marketing strategies. Specifically, students must have taken introductory undergraduate or graduate courses in corporate finance, macroeconomics and marketing. Students who have not fulfilled the prerequisites need to consult the program director concerning undergraduate or graduate options that would enhance their overall professional and personal objectives, including general M.B.A. prequalification courses.

Program Model

The Diplomacy Component:

DIPL 6000	International Relations Theory	3
DIPL 6001	Cultural and Ethnic Diversity	3
DIPL 6002	International Organizations	3
DIPL 6003	Sustainable Economic Development	3
DIPL 6106	International Economics and Finance	3
DIPL 6111	Internship	3
DIPL 6310	Research Methods	3
DIPL 6311	Research Project	3
DIPL xxxx	Diplomacy Elective	9
Diplomacy Credits Required		33

The M.S.I.B. Component:

BINT 6901	Global Business Environment	6
BINT 6907	Global Strategy Capstone	3
BMGT 7931	International Management	3
BMKT 7617	International Marketing	3
MSIB	Elective Courses (3)	9*

M.S.I.B. Credits Required 24*

TOTAL CREDITS REQUIRED 57

*From approved list - may include Practicum (BINT 7900).

Notes:

- 1) The M.S.I.B. Program will substitute DIPL 6003 and DIPL 6106 for International Economics and International Finance.
- 2) Students may elect to take either International Trade (ECON 7441) or International Finance (BFIN 7216) or both as M.S.I.B. elective courses if they desire more in-depth courses in international trade or finance.

International Business Electives

Select 9 credits

BACC 7117	International Accounting	3
BFIN 7221	Risk Management	3
BFIN 7235	Global Financial Markets	3
BHRM 7535	International Human Resource/ Management	3
BHRM 7550	Cultural Dimensions of International Business	3
BMGT 7527	International Management in Developing Countries	3
BMGT 7529	Doing Business in China	3
BMGT 7991	Management of Foreign Operations	3
BMS 7442	Electronic Commerce	3
BMKT 7615	Comparative Marketing Systems	3
BMKT 7993	Multinational Corporations in the Asian Market	3
BTAX 7039	Multinational Tax Seminar	3
ECON 7410	Global Economic Change	3
ECON 7412	The Japanese Economy	3
BINT 9900	Seminar on the Multinational Corporation	3
BLAW 7323	Transnational Business Law	3

*Additional electives may be substituted through consultation with the program director, for example: BFIN 7230-Portfolio Analysis; BFIN

7231-Futures; Options and Swaps; and BFIN 7232-Investment Banking.

M.B.A./M.A.D.I.R.

The M.B.A./M.A.D.I.R. is a joint degree program offered by the faculties of the Stillman School of Business and the School of Diplomacy and International Relations. Completion of the program yields both a Master of Business Administration (M.B.A) and a Master of Arts in Diplomacy and International Relations (M.A.D.I.R.).

Program Model

M.B.A. Program Component

I. Pre-Qualification Sequence as required (non-credit bearing)

II. Foundation Sequence (16 credits)

BMBA 9101	Decision Making I	4
BMBA 9102	Decision Making II	4
BMBA 9103	Financial Accounting and Legal Considerations	4
BMBA 9104	Human Interaction and Market Orientation	4

III. Essential Knowledge Sequence (2 credits)

BMBA 9201	Social Responsibility	2
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IV. Concentration Courses (12/15 credits)

Four 3-credit courses in one of the concentrations in the School of Business (five 3-credit courses for the Accounting concentration).

12/15

Business credits: 30/33

Diplomacy and International Relations Component

I. Global Studies Curriculum (18 Credits)

DIPL 6001	Cultural and Ethnic Diversity	3
DIPL 6002	International Organizations, Public Policy and the Practice of Diplomacy	3
DIPL 6003	Sustainable Development in Global Perspective	3
DIPL 6106	International Economics and Finance	3
DIPL xxxx	Electives	6

II. Research And Writing Curriculum (9 Credits)

COMM 6000	Writing for the Organization and Client	3
DIPL 6310	Research Methods	3
DIPL 6311	Master's Research Project	3

III. Experiential Learning (3 Credits)

DIPL 7111	Experiential Learning in Diplomacy (Internship)	3
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Diplomacy credits: 30

Total joint credits: 60/63

Notes:

1. M.B.A./M.A.D.I.R students do not take International Perspective (BMBA 9202) or the Business Policy Capstone (BMBA 9400).
2. M.B.A./M.A.D.I.R students must write a Master's Research Project under the guidance of joint Business/Diplomacy advisers.

M.S.N. in Health Systems Administration/ M.B.A. Program

See page 178 for full program description.

Program Model

M.B.A. Program Component

I. Pre-Qualification Sequence as required (non-credit bearing)

II. Foundation Sequence (16 credits)

BMBA 9101	Decision Making I	4
BMBA 9102	Decision Making II	4
BMBA 9103	Financial Accounting and Legal Considerations	4
BMBA 9104	Human Interaction and Market Orientation	4

III. Essential Knowledge Sequence (2 credits)

BMBA 9202	International Perspective	2
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IV. Breadth Sequence (10 credits)

	Guided Electives	5
BMBA 9306	Management and Application of IT	2
BMGT 7960	Special Topics in Management	3

Note: Other breadth sequence courses may be substituted with the approval of the program director.

V. Capstone (2 credits)

BMBA 9400	Business Policy	2
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M.B.A. credits required 30

Nursing Component Credits

I. Core Courses (12 credits)

NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6124	Forces in Health Care	3
NURS 7141	Nursing Research I	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1

II. Concentration Courses (12 credits)

NURS 6224	Nursing Systems Administration	3
NURS 7307	Managed Care and Reimbursement Systems	3
NURS 6305	Financial/Operations Management of Integrated Delivery Systems	3
NURS 7308	Executive Internship in Health Systems Administration	3

Nursing credits required 24

TOTAL CREDITS REQUIRED 54

M.B.A./J.D. Program

The Stillman School and the School of Law jointly offer a four-year program leading to the degrees of Master of Business Administration (M.B.A.) and Juris Doctor (J.D.). The program is available only to full-time students, and may be completed in four years rather than the five years usually required for the completion of both degrees.

Application to the joint program is open to holders of baccalaureate degrees from accredited colleges or universities who are not enrolled in either the School of Law or the Stillman School, or who are full-time students in the first-year program at the School of Law.

Application Procedure

Candidates for admission to this program must complete separate applications for both the School of Law and the Stillman School, identifying on each application that they intend to participate in the joint program. These applications must be filed by May 1 of the year in which admission to the joint program is sought. Alternatively, students enrolled in the first-year, full-time program at the School of Law may, during that year, apply for admission to the joint program by making application for admission to the Stillman School, identifying themselves as candidates for the joint program and notifying the School of Law of their intent to seek admission to that program.

Admission to the joint program requires that the student be accepted for admission at each of the respective schools and that the student's participation in the joint program be approved separately by the admission committees of both schools.

The M.B.A. admission procedure appears at the beginning of the Stillman School section of this Catalogue. Applications for the School of Law are available from the Office of Admissions, Seton Hall University School of Law, One Newark Center, Newark, NJ 07102.

Applicants must take the Law School Admission Test (LSAT). Official transcripts from all colleges and universities attended must be sent to the Law School Data Assembly Service (LSDAS), Educational Testing Service, Box 2000, Newton, PA 18940. The LSDAS report containing the LSAT scores should be forwarded to the School of Law at the above address.

Curriculum Requirements

The J.D. degree consists of 85 credits and the M.B.A. degree of 42 credits (45 for those concentrating in accounting). A maximum total of 12 credits may be used as cross-credits between the two programs. Only courses specified by the respective schools as eligible for cross-credits may be utilized for this purpose. Under exceptional circumstances, courses not included on the list of those eligible for cross-credits may be approved for this purpose by the academic deans of the law school and the business school. No required courses at either the School of Law or the Stillman School may be eligible for cross-credits under the joint degree program.

Because of residency requirements and other considerations, the joint degree program can only be completed by students enrolled on a full-time basis. With the joint consent of the academic deans of the Law School and the Stillman School, and for good cause, a student may be allowed to remain in the program although enrolled on a part-time basis only after the second year

of full-time participation in the program. Such approval for part-time status must be renewed every semester. No waiver of full-time status may be granted for the first two years of the program.

A minimum of 30 credit hours must be taken in the M.B.A. program at Seton Hall. No waived credits may be counted toward the completion of the J.D. degree, and the Law School does not permit any waiver of credits for the J.D. degree.

Additional Requirements

Students in the joint program must complete TAXN 7112 Taxation I at the Law School and are, therefore, not eligible to take BACC 7121 Federal Income Taxation of Individuals at the Stillman School.

Advising

Students in the joint degree program must have their course schedules approved by the joint program advisers in both the School of Law and the Stillman School. The procedure for such approval will be established by the respective schools, and students in the program should consult the joint program adviser at each school. Where courses with similar content are offered by the two schools, students may complete such courses at either school (except as noted above), but may not take the courses at both schools.

Pattern of Study

Students in the joint degree program spend their first year of study completing the regular first-year curriculum of the School of Law. During the second and subsequent years, students complete the program by taking credits at both the Stillman School and the School of Law.

Program Model

M.B.A. Program Component

I. Pre-Qualification Sequence as required (non-credit bearing)

II. Foundation Sequence (14/15 credits)

BMBA 9101	Decision Making I	4
BMBA 9102	Decision Making II	4
BMBA 9104	Human Interaction and Market Orientation	4

Choose one of the following:

BMBA 9305	Management Accounting	2
BACC 6101	Financial Accounting	3

III. Essential Knowledge Sequence (4 credits)

BMBA 9201	Social Responsibility	2
BMBA 9202	International Perspective	2

IV. Breadth Sequence (8-12 credits)

Students may cross-credit up to 12 credits between the two programs. 8-12

V. Concentration Courses (12/15 credits)

Four 3-credit courses in one of the concentrations in the School of Business (five 3-credit courses for the Accounting concentration). 12/15

VI. Capstone

BMBA 9400 Business Policy: Capstone 2
M.B.A. credits (includes cross-credits): 40-48

J.D. Component

I. Required Courses (44 credits)

LAW 6001	Civil Procedure I
LAW 6002	Civil Procedure II
LAW 6003	Legal Research & Writing I
LAW 6004	Legal Research & Writing II
LAW 6005	Contracts
LAW 6008	Torts I
LAW 6010	Property I
LAW 6011	Property II
LAW 6014	Criminal Law
LAW 6015	Constitutional Law
CORP 7131	Business Associations
MTCT 7151	Appellate Advocacy
PRMD 7201	Evidence
TAXN 7112	Federal Income Taxation
HIPH 7504	Professional Responsibility

II. Trial Practice & Advanced Legal Writing Requirements (4-7 credits)

III. Elective Courses (34-37 Credits)

Students may cross-credit up to 12 credits between the two programs.

J.D. credits (includes cross-credits): 85
Cross-credit savings: 12
Total joint degree credits: 113-121

B.A. or B.S./M.B.A. Program

The College of Arts and Sciences and the Stillman School offer a joint program that leads to two degrees: a bachelor's degree in a liberal arts major, and a Master of Business Administration.

The unique feature of this program is that both degrees can be earned in five years. By carefully selecting courses, the student can complete the requirements for both degrees in as few as 150 credit hours. Basically, the student spends the first three years taking arts and sciences courses. At the end of the third year, the student applies for the M.B.A. program. If accepted, the student takes a mixture of arts and sciences and business courses during the fourth year. The fifth year is reserved exclusively for graduate business courses. When the student has completed all undergraduate degree requirements and 130 credit hours, the student receives a bachelor's degree. After completing the M.B.A. requirements and 150 total credit hours, the student also receives an M.B.A.

Purpose

The purpose of the program is two-fold:

1. students receive a broad-based undergraduate education. Students major in an arts and sciences discipline to gain a broad perspective in the humanities and social and physical sciences, and a comprehensive grasp of one arts and sciences major;
2. students begin graduate coursework while completing a bachelor's degree. This enables the arts and sciences student to obtain an M.B.A. within one additional year of study.

Basic Principles and Requirements

In offering this program, Seton Hall operates on three basic principles:

1. students must complete their undergraduate arts and sciences courses and fulfill the requirements for an undergraduate major;
2. students must apply for and gain admission to the M.B.A. program after the completion of a minimum of 75 credit hours in the arts and sciences; and
3. the joint program requires a minimum of 150 credit hours; within this number, a student completes specified arts and sciences requirements, an undergraduate arts and sciences major field, and the specified M.B.A. curriculum.

The breakdown of the minimum 150 credit hours is as follows:

1. students complete the core curriculum of the College of Arts and Sciences and major field requirements. The total credits vary depending upon the requirements of the major field. M.B.A. courses serve as electives to complete the 130 credits required for the baccalaureate degree;
2. selected M.B.A. pre-qualification courses may be waived based upon the completion of related undergraduate business courses;
3. remaining M.B.A. curriculum requirements, including 12-15 credits in the selected concentration area, are fulfilled by taking graduate business courses.

The total credit hours consist of 99 credits from the College of Arts and Sciences and 51 from the Stillman School. Some undergraduate arts and sciences majors require more than 99 credit hours. Students must consult their arts and sciences major adviser for specific information. Graduate course information is available through the Stillman School Advisement Office, Kozlowski Hall, Room 526, (973) 761-9222.

B.A./M.B.A. Curriculum

1. Arts and Sciences Core Requirements.
2. Major Fields: anthropology, art history, biology, chemistry, classical studies, communication, economics, English, fine arts, history, modern languages, music history, political science, psychology, religious studies and sociology.

3. M.B.A. Pre-Qualification Sequence.

4. M.B.A. Curriculum Credit-Bearing courses: foundation sequence, essential knowledge sequence, breadth sequence, concentration courses and capstone.

Consult course descriptions for more details. If these requirements can be met in fewer than 150 credit hours, students may take elective courses to complete the 150 credit-hour minimum.

Course Descriptions

Course descriptions provide information on offerings for the 2002-03 academic year. All courses are run subject to enrollment and faculty deployment within each department.

Integrated M.B.A. Courses**BMBA 8010 Accounting Pre-Qualifier**

The course provides the foundation for understanding how accounting information serves decision-makers in the global business world. The course focuses on the basics of accounting and reporting, outlining the composition and interrelationship of the primary financial statements and the principles that underlie their preparation. *(no credit)*

BMBA 8011 Economics Pre-Qualifier

The course provides an introduction or review of both micro and macro economics principles. Topics covered include major economic systems, forces of supply and demand and their effect on equilibrium prices, various markets, government intervention and regulation, fiscal policy and international economic issues. *(no credit)*

BMBA 8013 Finance Pre-Qualifier

Introduction to the principles of finance for incoming MBA students with very limited finance backgrounds. Topics deal with the terms and tools of basic finance: money and capital markets, time value of money, capital budgeting, asset pricing/portfolio analysis and derivatives. (16 hours) *(no credit)*

BMBA 8018 Mathematics Pre-Qualifier

The course will review a variety of mathematical concepts and their applications to the business setting. Elementary algebra and calculus techniques will be the primary focus, and special attention will be paid to the manner in which they can be used in the modeling of basic business situations. *(no credit)*

BMBA 8019 Statistics Pre-Qualifier

The course introduces and develops an understanding of statistical concepts and methods as tools in the managerial decision-making process in the face of uncertainty. Descriptive statistics, probability and probability distributions and statistical inference will be discussed. Emphasis will be placed on the student's ability to identify appropriate statistical tools for analysis in a variety of business-related problems. *(no credit)*

BMBA 9101 Decision Making I (Hub I)

An integrated approach to decision making, with emphasis on quantitative methods in economics and finance. Topics include model building and estimation, demand and supply, revenue, production, cost, money, interest rates, business cycles, valuation, return, risk, capital budgeting, asset pricing and derivatives.

Offered: Fall, Spring. Prerequisite: Pre-Qualification Sequence (BMBA 8010, 8011, 8013, 8014, 8018, 8019) or equivalent. *4 credits.*

BMBA 9102 Decision Making II (Hub II)

The course explores the ever-increasing impact and interaction of information technology and quantitative techniques in business today. The course will discuss the fundamentals of computing and telecommunications with an emphasis on their uses and effects on business processes. In addition, the course will expose students to quantitative tools that can be used to solve many business problems. Via cases, the course will show how advances in information technology have created greater opportunities to apply these quantitative techniques. Offered: Fall, Spring. Prerequisite: Pre-Qualification Sequence in MIS, Math and Statistics or equivalent. *4 credits.*

BMBA 9103 Financial Accounting and Legal Considerations (Hub III)

This course covers various accounting and legal issues that business professionals need to know to succeed in a business environment. Topics covered include: asset valuation issues; liabilities; footnote disclosures; financial statement analysis; stockholders' equity; cost behavior; cost-volume-profit analysis; ethical issues; fundamentals of anti-trust; labor and employment fundamentals; and intellectual property. Offered: Fall, Spring. Prerequisite: Pre-Qualification course in Accounting (BMBA 8010) or equivalent. *4 credits.*

BMBA 9104 Human Interaction and Market Orientation (Hub IV)

This course offers an integrative environment in which the students will be able to develop skills to analyze strategic management and marketing problems, to develop appropriate solutions, and to implement them. This course provides (1) an overview of theories and behavioral and social science approaches to more effective management of complex organizations; and (2) an overview of the marketing management process to better understand buyers and buying behavior and more effectively manage the delivery of value to an organization's stakeholders. Offered: Fall, Spring. *4 credits.*

BMBA 9201 Social Responsibility

The course will examine the relationship of the business enterprise to its stakeholders, and raise questions about the social and ethical conduct of the enterprise. A case presentation, a round table discussion and the creation of a corporate code of conduct are requirements. Offered: Fall, Spring, Summer. *2 credits.*

BMBA 9202 International Perspective

This course is designed to introduce the graduate student of business to the world of international business, international trade and political economy. These subjects are approached from the viewpoint of a generalist, offering information and insights from the broad perspectives of business, economics, finance, political and economic geography, risk management, marketing, ethics and international law. Through an introduction to these fields, it is expected that students will gain a core understanding of the concepts, ideas and vocabulary of international business. Offered: Fall, Spring, Summer. *2 credits.*

M.B.A. Breadth Sequence

Eight credits to be selected from the following 2-credit courses or from any 3-credit offering listed within the departments following. Please note the prerequisites listed.

BMBA 9301 E-Commerce

Information technologies and the Internet are rapidly transforming business relationships and changing the competitive dynamics of the marketplace. The digitalization of information, along with globalization and deregulation of industries has created an economy characterized by rapid technological innovation and increasingly shorter product and service life cycles. Companies are adopting technology to extend market reach, improve quality of customer service and increase productivity. Marketing professionals must transform product, service, promotion, pricing and distribution strategies that have been effectively used previously. This course provides an overview of how new IT create value within the exchange process between companies and consumers and illustrates how several key business strategies benefit from new IT, particularly in the context of marketing. *2 credits. (no prerequisites required).*

BMBA 9302 Economics of Strategy

Case selections offers a range of managerial problems demonstrating the application of production, location and game theory and other microeconomic optimal decision path tools. Prerequisite: BMBA 9101. *2 credits.*

BMBA 9303 Financial Markets and Institutions

Overview of the structure and function of the markets for financial assets, including various forms of money, stocks, bonds and the institutions that help to drive these markets. Prerequisite: BMBA 9101. *2 credits.*

BMBA 9304 Leadership and Team Building

The process of providing a vision, standing on principle and sponsoring an atmosphere that develops leaders is the focus of this course. The importance of how we must work together in a team atmosphere is emphasized. Concerns of the business world such as trust, empowerment, globalization and the increased influence of technology will be explored. Students will be exposed to the differences between leadership and management and, through experimental learning, will develop techniques to improve their skills. *2 credits. (no prerequisites required).*

BMBA 9305 Management Accounting

The course describes how to use accounting as an internal management tool. Topics covered include: product costing, process costing, job-order costing, variance analysis, make or buy decisions, adding or dropping a product line, relevant costs and costing of special orders. Prerequisite: BACC 6101, BMBA 9103 or equivalent. *2 credits.*

BMBA 9306 Management and Application of Information Technology

The combination of powerful technology developments and global business opportunities has led to the creating of new challenges and opportunities for the management of Information Technologies (IT) in organizations. This course focuses on how to understand and take advantage of the new technologies to achieve organizational goals. Prerequisite: BMBA 9102. *2 credits.*

BMBA 9307 Cases in Strategic Marketing

This course incorporates current developments in marketing strategic thinking to further acquaint students with the present-day challenges of marketing activities. The course provides an opportunity to further develop an understanding of the scope, importance, and process of marketing as a system. Through practical illustrations, the course forwards a deeper understanding of the development and evaluation of marketing plans, strategies and action programs. Prerequisites: BMBA 9101, 9102, 9103 and 9104. Offered: Summer. *2 credits.*

BMBA 9308 Operations Management

Provides the foundation and stresses the insights necessary for analytical managerial decision making. Emphasis on problem modeling and particularly on the significant role of the manager in the model building process. Prerequisite: BMBA 9102. Offered: Spring. *2 credits. (May also be substituted for BQUA 6802).*

BMBA 9309 Topics in Commercial Law

Topics include an overview of contract law and principles of bankruptcy law. Examination of the Uniform Commercial Code; particularly the sections dealing with sales, commercial paper, secured transactions and warranties. Offered: Fall. *2 credits. (no prerequisites required).*

BMBA 9310 and 9311 MBA Internships (maximum of 6 credits)

Students obtain positions with companies in order to obtain hands-on experience in their chosen field. Some restrictions may apply. Students must consult with M.B.A. program director and/or department chair. *3 credits each. (no prerequisites required).*

BMBA 9314 Risk & Insurance

Analysis of risk and the methods of risk bearing, basic insurance contracts: life, property, casualty and surety; claim control and loss prevention; non-insurable risks; social insurance. *2 credits. (no prerequisites required).*

BMBA 9317 Supply Chain Management

Firms in many industries are scrambling to develop innovative ways to move products from raw materials through manufacturing to customers more quickly and efficiently. This course examines many of the recent innovations in this area. Through this course students will (a) recognize salient strategic challenges and opportunities for managing supply chains; (b) learn to use several basic analytical tools to assess performance tradeoffs and support decision making; (c) become familiar with the core supply chain concepts and strategies that have been adopted by leading companies and (d) review emerging supply chain strategies facilitated by Internet technology. Experimental. *2 credits.*

BMBA 9400 Business Policy: Capstone

This capstone course addresses the strategic issues in a competitive and global business environment; integrates functional and tool courses in a comprehensive framework for managing an organization; and uses computerized simulation that provides student teams with an opportunity to coordinate production, marketing and financial objectives and decisions in strategic and operating plans. This course is normally taken in the last semester of the program. Offered: Fall, Spring, Summer. *2 credits.*

Note: M.B.A. students require BMBA 9101-9104 Hubs I-IV as prerequisites for all advanced elective courses unless noted. Full-time M.B.A. students should consult with the dean's office.

Department of Accounting and Taxation

Accounting

BACC 6101 Financial Accounting

Basic theory of accounts, types of books and forms. Principles of accounting as applied to proprietorships, partnerships and corporations. Ethical role of accounting is discussed. Offered: Summer. *3 credits.*

BACC 6102 Managerial Accounting

Use of accounting as a management tool. Development of an understanding of manufacturing accounting control systems. Use of business data for financial planning and decision making. Prerequisite: BACC 6101. Offered: Irregularly. *3 credits.*

BACC 7101 Financial Statement Analysis

The objective of this course is to provide students with the skills necessary for analyzing financial statements. The lectures and assigned cases adopt a user-oriented perspective. This course will help students enhance their understanding of the accounting process and develop an ability to interpret financial information. Topics covered include ratio analysis, cash flows, inventories and off-balance sheet activities. Valuation models, including asset-based as well as discounted cash flow models, are also discussed. Special emphasis is placed on the effect of accounting principles on the reported results of operations, cash flows and ratios. Prerequisite: BACC 6101, BMBA 9103 or the equivalent. *3 credits.*

BACC 7106 Financial Instruments

The course provides an overview of the nature and uses of both traditional and derivative financial instruments. The benefits and risks associated with issuing and holding various financial instruments will be examined, along with the financial reporting consequences of their use. The course will consider widely used instruments such as bonds, options, futures and swaps, as well as more complex and innovative types of contracts. Prerequisite: BACC 6101, BMBA 9103 or the equivalent. *3 credits.*

BACC 7111-7112 Accounting Theory I-II

Comprehensive overview of generally accepted accounting principles. Financial statements for going concerns: measurement, recognition and disclosure requirements of financial reporting. Prerequisite for BACC 7111: BACC 6102, BMBA 9103 or the equivalent. Offered: Fall. Prerequisite for BACC 7112: BACC 7111. *3 credits each.*

BACC 7114 Cost Accounting Principles

Cost systems used in business organizations. Valuation of assets and distribution costs, effective methods of cost analysis and control. Standard costs. Prerequisite: BACC 6102, BMBA 9103 or the equivalent. *3 credits.*

BACC 7117 International Accounting

Diverse accounting practices employed by different countries, their causes—rooted in custom, law, tax practices and economics—and their effect on the interpretation of financial statements. Problems of consolidation. Role of accounting in controlled economies. Prerequisite: BACC 6102, BMBA 9103 or the equivalent. *3 credits.*

BACC 7118 Doing Business in the Middle East

Diverse reporting and business practices that are predominant in the countries in the Middle East. Note: This course does not count as part of either an M.B.A. or M.S. accounting concentration. Prerequisite: BACC 6101, BMBA 9103 or the equivalent. *3 credits.*

BACC 7121 Federal Income Taxation of Individuals

Case study of federal income tax legislation with special attention to preparation of individual returns. Prerequisite: BACC 6102, BMBA 9103 or the equivalent. Offered: Fall. *3 credits.*

BACC 7122 Federal Income Taxation of Business

Case study of federal income tax legislation with special attention to preparation of corporate returns. Prerequisite: BACC 6102, BMBA 9103 or the equivalent. Offered: Spring. *3 credits.*

BACC 7123 Auditing Standards and Problems

Case study of effective auditing procedures. Detection of fraud by analysis of accounts. Current finds of the American Institute of Certified Public Accountants and the Securities and Exchange Commission. Prerequisite: BACC 7112. *3 credits.*

BACC 7124 Comprehensive Accounting Problems

Accounting changes and error analysis, cash flow, leases, pensions, foreign currency translation, fund accounting, ethics in accounting and other current topics. Prerequisite: BACC 7112. *3 credits.*

BACC 7125 Advanced Accounting Theory

Partnership formation and liquidation problems, consolidated corporate financial statements, accounting for fiduciaries and reporting to the Securities and Exchange Commission. Opinions of the Accounting Principles Board, the Financial Accounting Standards Board and other significant pronouncements on accounting principles. Prerequisite: BACC 7112. *3 credits.*

BACC 7140 Healthcare Cost Management

The course seeks to study cost management in the context of the healthcare industry. The course will teach how cost and managerial accounting techniques may be used to facilitate the development and implementation of business strategies in the context of the needs of the healthcare industry. The course will use a combination of lectures and case studies. *3 credits.*

BACC 7190-7191 Accounting Internship I-II

Prerequisite: permission of accounting chair. *3 credits each.*

BACC 8001 Accounting Seminar

A capstone accounting course designed to see how students handle somewhat ambiguous accounting problems. The course is largely a case-study course with students expected to do significant accounting research with many written reports. Prerequisite: BACC 7123 or the equivalent. *3 credits.*

**Taxation
Required Courses****BTAX 6001 Concepts of Income Determination**

Understanding the provisions of the Internal Revenue Code that affect determination of income, exclusions, deductions and other elements to arrive at taxable income. The emphasis of this course is learning to recognize issues and arrive at conclusions. Offered: Fall 2002, Fall 2003. *3 credits.*

BTAX 6003 Tax Research

Study of successful methodology of research in federal taxation applied to the solution of both routine and complex tax problems. Topics include research sources, materials and tools, including court reporters, government documents, IRS rulings, professional periodicals, tax services and citators, and computerized tax research. Offered: Fall 2002, Fall 2003. *3 credits.*

BTAX 6005 Taxation of Corporations and Shareholders

Tax treatment of events in the life of a corporation, with emphasis on problems and relationships between corporations and shareholders. Subject matter includes transfers on organizing a corporation, dividend distributions, stock redemptions, partial liquidations and corporate liquidations. Offered: Fall 2002, Summer 2003. *3 credits.*

BTAX 6007 Federal Estate and Gift Taxation

Study of the provisions of the federal estate tax and gift tax, including taxable transfers, gross estate, allowable deductions and credits. Offered: Spring 2003, Spring 2004. *3 credits.*

BTAX 6009 Tax Accounting

Deals with federal income tax consequences and planning with respect to adoption of and change in accounting methods; income recognition and deduction allowance under the cash and accrual methods and installment reporting. Also covered is inventory accounting, including LIFO; adoption of and change in accounting periods; time value of money; transactional concepts, including the annual accounting concept, the claim of right doctrine, and the tax benefit rule; and income tax allocations for financial reporting. Offered: Spring 2003, Fall 2003, Summer 2004. *3 credits.*

Elective Courses**BTAX 7011 Advanced Concepts of Taxation**

Concepts and problems in selected areas of taxation, i.e., the interrelationship of different taxes; tax minimization principles; characteristics of taxable entities, such as collapsible corporations, personal holding companies; accumulated earnings tax; assignment of transfer or income; sales and exchanges of property; tax accounting principles and valuation problems. Prerequisites: BTAX 6001. Offered: Summer 2003, Summer 2004. *3 credits.*

BTAX 7012 Federal Income Tax Practices and Procedures

The organization and functions of the Internal Revenue Service, the role and regulation of the tax practitioner, administrative appeals and settlement opportunities and appeals to the courts. Provisions of the Internal Revenue Code involving assessment, collections, waivers, claims, civil and criminal penalties, statute of limitations and transferee liability. Requests for rulings and the application of the Freedom of Information and Privacy Acts in tax cases. Prerequisites: BTAX 6001, 6003, 6005, 6009. Offered: Fall 2002, Fall 2003. *3 credits.*

BTAX 7014 S Corporations

Deals in-depth with the provisions of Subchapter S of the Internal Revenue Code, covering such material as uses of S Corporations, eligibility to elect S Corporation status, termination of S Corporation status, taxation of income, losses and deductions, distributions, basis of S Corporation stock and pitfalls. Prerequisite: BTAX 6001, 6003, 6005. Offered: Fall 2002, Summer 2004. *3 credits.*

BTAX 7015 Consolidated Returns

Intensive study in determining if an affiliated group of corporations should elect to file a consolidated return. Topics covered include eligibility, consolidated return election, deferred intercompany transactions, annual investment adjustments, basis and disposition of stock of subsidiaries, excess loss account, deemed dividend election and rules for separate return limitation year, as

well as tax advantages and disadvantages of filing a consolidated return. Prerequisites: BTAX 6001, 6003, 6005, 6009, 7016. Offered: Fall 2003, Spring 2004. *3 credits.*

BTAX 7016 Corporate Reorganizations

The tax implications of transfers of stock, securities and property in connection with corporate acquisitions, combinations and separations along with the impact of these transactions on tax liabilities and personal planning of the individual owners are presented. Acquisitive and divisive reorganizations, and carry over and limitations of tax attributes also are covered. Prerequisites: BTAX 6001, 6003, 6005, 6009. Offered: Fall 2002. *3 credits.*

BTAX 7018 Executive Compensation, Pension and Profit Sharing Plans

Deferred compensation plans for executives and employees are discussed. Topics covered include qualification and operation of pension and profit sharing plans, including eligibility of coverage; vesting; funding; terminations; stock options. The course also looks at employee stock ownership plans; plans of self-employed individuals; Individual Retirement Accounts and Section 401(k) plans. Prerequisites: BTAX 6001, 6003, 6005, 6007. Offered: Spring 2003. *3 credits.*

BTAX 7020 Federal Income Taxation of Fiduciaries

Taxation of income to fiduciaries, beneficiaries, grantors and other parties are discussed, along with income in respect to decedent; taxation of simple and complex trusts; operation of the throwback rule; and income and deductions included in the decedent's final return. Prerequisites: BTAX 6001, 6003, 6007. Offered: Fall 2003. *3 credits.*

BTAX 7025 Estate Planning

Course includes an intensive consideration of the techniques of estate planning through lifetime and testamentary transfers and the use of postmortem options. Items considered include valuation problems, recapitalization methods, buy-sell agreements, private annuities, apportionment of the tax burden and other techniques available to the planning of estates. Prerequisites: BTAX 6001, 6003, 6005, 6007. Offered: Summer 2003. *3 credits.*

BTAX 7030 Tax Problems of Partners and Partnerships

An in-depth analysis of the federal tax rules governing partners and partnerships contained in Subchapter K of the Internal Revenue Code. Subjects include the aggregate and entity theories; partnership formation, operation, and reorganization; distributions; liquidations; sale or other dispositions of a partnership interest (including retirement or death of a partner); tax effects of the admission of new partners; transactions involving unrealized receivables and substantially appreciated inventory items and special basis adjustments. Prerequisites: BTAX 6001, 6003, 6005, 6009. Offered: Spring 2003, Summer 2004. *3 credits.*

BTAX 7033 Multinational Tax Considerations

U.S. jurisdiction to tax on the basis of citizenship, source of income and other conflicts are examined. Includes taxation of U.S. citizens abroad; resident and nonresident alien individuals and corporations; the concept of income, which is effectively connected with U.S. business. Also covered are taxation of domestic entities doing business abroad and controlled foreign corporations; foreign tax credits; intercompany pricing and allocation; and foreign sales corporations. Prerequisites: BTAX 6001, 6003, 6005, 6009. Offered: Fall 2002. *3 credits.*

BTAX 7037 State and Local Taxation

Includes the common types of taxes imposed by state and local governments, including franchise, net income, gross receipts, and sales and use taxes; and the taxation of multi-state businesses. Taxation by the states of New Jersey and New York and emphasis on the taxation of businesses are examined. Prerequisites: BTAX 6001, 6003, 6005, 6009. Offered: Spring 2003. *3 credits.*

BTAX 7039 Multinational Tax Seminar

Advanced seminar covering tax problems involved with international business transactions, including citizenship; source of income, and other contacts; taxation of U.S. citizens abroad, resident and nonresident alien individuals and corporations; the concept of income that is effectively connected with U.S. business; taxation of domestic entities doing business abroad; controlled foreign corporations; and foreign tax credits; intercompany pricing; allocation and apportionment of domestic expenses. Prerequisites: BTAX 6001, 6003, 6005 and 6009. Offered: Fall 2003. *3 credits.*

Department of Computing and Decision Sciences

Information Systems

BMIS 6701 or BMBA 9102 is a prerequisite for all other BMIS courses.

BMIS 6701 Management Information Systems

Role of computers in management information systems and technology as a tool for competitive advantage. Emphasis on management concerns in the construction, modification and use of computer systems. Topics include hardware, software, programming and system specification, and design techniques. Ethical issues in technology are treated. Offered: Spring. *3 credits.*

BMIS 7711 Database Systems

Introduction to the concepts of database technology. The student is provided with a broad understanding of database systems, their use by management and the major considerations in their design and implementation. Prerequisite: Programming ability in at least one procedural high-level language. Offered: Fall. *3 credits.*

BMIS 7712 Computer Programming

Introduction to computer programming and simple data structures. Students are exposed to algorithms and programming techniques through the use of the C language. Offered: Spring. *3 credits.*

BMIS 7717 Advanced Programming and Data Structures

Theoretical and experiential understanding of advanced algorithms and data structures. Includes both theoretical presentations and computer programming assignments to assist the student in developing competency in all aspects of software design and documentation. Programs are written in C and C++. Prerequisite: Programming ability in at least one procedural high-level language such as Pascal, PL/1, C. Not offered 2001-02. *3 credits.*

BMIS 7719 Computer Systems

Concepts in the design, logic and architecture of computer hardware, as well as the fundamental concepts of operating system and hardware-software interaction. Introduction to the fundamentals of the acquisition and effective management of computer hardware and software systems. Prerequisite: BMIS 7723. Not offered 2001-02. *3 credits.*

BMIS 7723 System Analysis and Design

Introduction to the fundamentals of systems analysis and design. Emphasis on the development aspect of computer-based information systems as well as the study of some common business online and batch application systems. Prerequisite: BMIS 7711. Offered: Spring. *3 credits.*

BMIS 7742 Electronic Commerce

Explores the technical and commercial aspects of e-commerce. The technical aspects will be covered at a managerial level. Examines how individual organizations can deploy e-commerce. In addition, the "macro" impact of e-commerce on market segments will be discussed. Offered: Spring. *3 credits.*

Quantitative Analysis

BMBA 9102 is a prerequisite for all other BQUA courses.

BQUA 7812 Advanced Data Analysis

Coverage of a wide range of univariate and multivariate statistical techniques. Univariate topics include analysis of variance, design of experiments, and regression and correlation analyses. Multivariate topics include principal components, factor, discriminant, canonical correlation and cluster analyses and MANOVA. Emphasis on data analysis and implications of results for the managerial decision-making process. Not offered 2002-03. *3 credits.*

BQUA 7813 Management Science

Theoretical underpinnings and practical understanding of the fundamentals of management science. Emphasis on problem modeling, particularly on the significant role of the manager in the model building process. Topics include identification, formulation, interpretation and sensitivity analysis of business models. Case studies and management science software used extensively. Not offered 2002-03. *3 credits.*

BQUA 7819 Business Forecasting

Forecasting function in the organization. Introduction to various forecasting techniques, including smoothing and decomposition methods, ARIMA modeling, dynamic regression and other econometric methods. Emphasis on operational expertise in generation of forecasts using each of these methods; interpretation of the forecasts and assessment of the implications for the decision-making process. Offered: Spring. *3 credits.*

Department of Economics

ECON 6402 or BMBA 9101 is a prerequisite for all other ECON courses.

ECON 6402 The National Economy

Development of the basic determinants of national income, employment and economic growth. Analysis of national economic problems in the context of economic theory, government practices and social macroeconomic objectives. Role of monetary and fiscal policies in light of current practices. Analysis of interrelationship of national and international economies. Offered: Spring. *3 credits.*

ECON 7410 Global Economic Change

Exposes students to the emerging weave of forces of global change, privatization, economic and human development, and green markets as presented with cases. Offered: Summer. *3 credits.*

ECON 7412 The Japanese Economy

A comprehensive and comparative study of the Japanese economy: financial markets, foreign trade, monetary and fiscal policies. Topics also include selected industries, distribution systems, marketing methods, management styles, financial accounting and asset pricing. Analytical and institutional approaches are used to explain and identify developing trends. *3 credits.*

ECON 7420 Managerial Economics

Economics of optimal managerial decision making. Application of a wide number of microeconomic principles and methods for the solution of typical managerial problems. Tested practices and cases used to demonstrate the optimal paths of decision making. Suspended. *3 credits.*

ECON 7441 International Trade

This course focuses on the theory, conduct and current policy problems of international trade. An examination of the theoretical and empirical basis of why we trade is followed by the mechanics of how we trade such as documentation, shipping, customs clearance, payment systems, exchange rates, barriers to trade, trading blocs, global e-trading and multinationals. In addition, an analysis of contemporary public policy (MFN/NTR), international agreements (WTO/GATT, NAFTA, EU, IMF, OPEC, APEC) and the World Bank are included. Offered: Spring. *3 credits.*

ECON 7451 Economics of Money, Credit and Banking

Examines the roles of money and the credit system in the national economy. Reviews and evaluates the various approaches in monetary analysis. Evaluation of the instruments and conduct of monetary policy in light of present trends in economic activity. *3 credits.*

ECON 7498 Economic Research

A research project is undertaken under the direction of a mentor. An adequate background in economics is a major part of the project approval process. Prerequisite: Permission of department. Offered: Fall, Spring. *3 credits.*

ECON 7915 (BMGT 7917) The Economics of Labor

Analytical approach to the labor force. Emphasis on labor productivity, its sources, effects and trends; labor markets; comparative wages; criteria and labor deployment evaluated by means of contemporary models and trends. Impact of labor on the national and international economies. *3 credits.*

ECON 7950 Public Finance

Functions of the public sector in a market economy. Nature and economic effects of government activities; expenditures and sources of finance at the federal, state and local levels. Nature of budgeting. Income, consumption and wealth as bases of taxation. Federal budget and tax reform. Fiscal policy and public debt. Intergovernmental fiscal relations. Policy issues of the public sector. *3 credits.*

Department of Finance and Legal Studies

Finance

BMBA 9101-9104 are the prerequisites for all other BFIN courses.

All students who concentrate in finance must take at least two courses with the BFIN prefix.

BFIN 6203 Corporate Financial Management

An overview of basic financial principles guiding decision-makers in a corporate setting based on an advancement of the principles covered in BMBA 9101. Topics include cash flow analysis, time value of money, security pricing, capital budgeting, firm cost of capital and capital structure. Offered: Irregularly. *3 credits.*

BFIN 7211 Working Capital Management

Survey of the current theories and practices in short-term financial management, including analysis of working capital, cash management, credit management and short-term financing and investing. International working capital included. Offered: Spring. 3 credits.

BFIN 7212 Management of Long-Term Financing

Capital budgeting and the marginal efficiency of capital. The cost of capital: external vs. internal equity. Contractual and imputed cost of debt capital. Optimum capital structure. Influence of the Securities Acts of 1933 and 1934 on financial administration. Offered: Irregularly. 3 credits.

BFIN 7215 Capital and Money Markets

Structure and functions of the capital and money markets. Effect on those markets of monetary and fiscal policies of the federal government; relation of these markets to the level of general business activity. Offered: Fall. 3 credits. (Credit not given for both BFIN 7215 and ECON 7451.)

BFIN 7216 International Finance

Analysis of the problems, techniques and policies of financial decision making in a global enterprise. Emphasis is placed on how to utilize various tools, including currency options and swaps, to manage the firm's exposure to foreign exchange risk. Also explores the problems and issues of multinational capital budgeting, balance of payments, protectionism and international competitiveness. Offered: Fall, Spring. 3 credits.

BFIN 7219 Security Analysis

Analysis and valuation of investments, including stocks, bonds, and options. Coverage of asset pricing models and issues. Offered: Fall. 3 credits.

BFIN 7220 (BSPM 7220) Sport Finance

Analysis of the financial structure of sports organizations and activities. Specific review of professional sports leagues and teams, sports tours, minor leagues and college sports programs, as well as the financial management of private and public sports facilities. Issues relating to the various sources and uses of revenues and current controversies will be analyzed. Offered: Fall. 3 credits. (Note: credits do not apply toward the Finance concentration.)

BFIN 7221 Risk Management

Interpretation of individual and business risks. Applications of exchange-traded and over-the-counter derivatives products to reduce interest rate, stock market and foreign exchange risks. Offered: Irregularly. 3 credits.

BFIN 7222 Financial Institutions

Analysis of the structure and behavior of U.S. financial institutions, including asset and liability management. Offered: Spring. 3 credits.

BFIN 7225 Mergers and Acquisitions

Financial aspects of mergers and acquisitions. Development of a sound business and financial rationale for growth through acquisition; establishing the purchase price; measuring the financial impacts imposed by accounting, tax and legal considerations; developing a program to integrate the acquired business successfully. Offered: Fall. 3 credits.

BFIN 7228 Real Estate Finance

Coverage of residential and commercial real estate financing, including property valuation, underwriting, mortgage types, financing options and real estate cycles. Offered: Irregularly. 3 credits.

BFIN 7229 Mortgage Banking

Fundamentals of mortgage loan investment policies and decision making, especially by financial institutions. An introduction to mortgage banking, modern trends in financing residential and nonresidential real estate and the role of government agencies. Offered: Irregularly. 3 credits.

BFIN 7230 Portfolio Analysis

Analysis of risk and return characteristics of securities and security market behavior based on mean-variance analysis and optimal portfolio diversification. Special attention given to building optimal portfolios and testing their performance against a broad market index. Offered: Fall, Spring. 3 credits.

BFIN 7231 Futures, Options and Swaps

A comprehensive overview of fundamental concepts associated with the domestic commodities and futures markets. Topics include the basic characteristics of commodities and futures markets; the fundamentals of securities traded in such markets; and appropriate trading strategies. Offered: Spring. 3 credits.

BFIN 7232 Investment Banking

A fundamental overview of the investment banking process and the role of investment bankers in capital formation. Discussion and readings focus on what investment bankers do and why, as well as the regulatory and competitive environment in which they function. Offered: Spring. 3 credits.

BFIN 7236 Corporate Finance

Analysis of corporate finance issues, including capital budgeting decisions, cost of capital estimation, leveraging, leases and dividend policy. Offered: Fall. 3 credits.

Legal Studies

BMBA 9103 is the prerequisite for all BLAW courses except BLAW 6103.

BLAW 6301 Legal and Social Environment of Business

Review of the legal, social, political and ethical environments of business. Examines the business relationship within the regulatory environment; judicial process and constitution; and covers the law and its effect on consumers, investors and the environment, as well as regulation of competition, labor and employment. Offered: Summer. 3 credits. (May be taken as a general M.B.A. elective).

BLAW 7313 Uniform Commercial Code

Treatment of commercial paper, sales and secured transactions with respect to commercial and real property under the Uniform Commercial Code. Also considers issues arising under bankruptcy and bailments. Offered: Summer. 3 credits.

BLAW 7315 Wills, Estates and Trusts

Law relating to personal property, real property, conveyances, mortgages, landlords and tenants. The law of decedent's estates. The duties of executors, administrators and trustees. Offered: Fall. 3 credits.

BLAW 7319 Products Liability

Intensive review of this specialized area of tort law. Particular emphasis is on the development of products liability and its impact on the business environment. Topics covered include negligence, warranties and strict liability. An analysis of the historical development of the common law and statutory responses to product liability. Offered: Summer. 3 credits.

BLAW 7321 Computers and the Law

Examination of a developing area of the law. Analysis of the impact that technological advances have on traditional common law theories such as contract and tort law, as well as the Uniform Commercial Code. Offered: Fall. 3 credits.

BLAW 7323 International Law

An examination of the relationship of multinational enterprises and the nation states that make up the contemporary world. A discussion of the economic, political and cultural considerations that affect those relationships. International rule-making systems, regional and international organizations. Act of State and Sovereign Immunity doctrines; movement of goods, persons, money and information across national borders and transnational reach of economic regulations are examined. Offered: Spring. 3 credits.

BLAW 7327 Law, Ethics and Public Policy

Examines ethical and public policy issues in variety of legal areas. Topics include whistle-blowing, electronic surveillance, affirmative action, workplace safety, regulatory advertising, environmental protection and products liability. Offered: Irregularly. 3 credits.

BLAW 7331 Franchising and Leasing

Considers the legal and business aspects of the franchising relationship, as well as commercial leases. Includes substantive areas of contracting, antitrust and tax. Involves "on-site" franchise visit and operational paper. Offered: Irregularly. 3 credits.

BLAW 7343 Securities Regulation

An examination of the Securities Act of 1933 and the Securities Exchange Act of 1934 and their impacts on the management of business corporations. An examination of the Investor Protection Act of 1970 and other relevant securities acts. Considers the areas of SEC practice, insider trading and investor protections. Offered: Fall. 3 credits.

BLAW 7401 (BSPM 7401) Sport Law

Examination of legal issues arising out of the areas of amateur and professional sport. Discussion of amateur sport includes the roles, rules and activities of the NCAA and questions involving amateurism, eligibility, sex discrimination and antitrust. Discussion of professional sport includes professional sport leagues, antitrust, labor relations, contractual questions and representation. Issues important in both areas will be discussed, including violence in sport, drug testing, tort issues, and sponsorships and endorsements. Offered: Spring. 3 credits.

Department of Management

(Includes Human Resource Management)

BMGT 6503 or BMBA 9104 is a prerequisite for all other BMGT courses.

Management

BMGT 6503 Management and Organizational Behavior

Overview of theories and behavioral science approaches to more effective management of complex organizations both domestically and globally. Diversity and corporate social responsibility are discussed. Lecture, case study and small group exercises are offered to master conceptual material necessary for management excellence. Offered: Fall. 3 credits.

BMGT 7517 Management and Social Responsibility

Examination of the interrelationships between the business sector and other societal institutions with the view of clarifying to whom and for what the corporation is responsible. 3 credits.

BMGT 7523 Reengineering Organizational Design and Corporate Cultures

Redesigning organizations to radically alter methods of operation and the corporate culture. How organization design affects corporate functions and the culture. Offered: Every other Fall. 3 credits.

BMGT 7527 International Management in Developing Countries

Examines characteristics of less-developed countries. Problems arising when multinational corporations make direct investments in manufacturing and other facilities in the Third World. The affect of government policies on foreign investors. Interpreting government regulations. Entry strategies and negotiations, joint ventures, licensing, technology transfer and appropriate technology. Includes extensive discussion of cases on business in developing countries. Offered: Fall. 3 credits.

BMGT 7529 Doing Business with China

An introduction to contemporary China for those who want to do business there, expect to be assigned there, or support a Chinese operation from the United States. Includes lectures, discussions, experiential exercises, films and cultural experiences. Faculty and guest lecturers have had extensive hands-on experience in China. Offered: Summer. *3 credits.*

BMGT 7535 (BSPM 7535) The Management of Sport Organizations

The application of management concepts and theories to sport organizations and the sport industry. Includes issues of organizational design, public policy, human resources labor relations and collective bargaining, ethical issues in sport and the globalization of the sport industry. Offered: Fall. *3 credits.*

BMGT 7539 Consultancy Management

Consulting continues to expand as more businesses turn to both external and internal consultants. The course addresses necessary skills and resources, assessment, planning, implementation and evaluation. Students are required to develop and present a business plan. Offered: Every other Spring (2003). Experimental. *3 credits.*

BMGT 7540 Entrepreneurship

The course focus is the special talents and perspectives associated with "entrepreneurship." What strategies, organizations, designs, training and personality support entrepreneurial activity? Experimental. *3 credits.*

BMGT 7541 Technology and Innovation Management

The strategic role of technology for today's firms requires specialized management and knowledge. Addresses range of issues for strategic management of technology and innovation. Experimental course. *3 credits.*

BMGT 7542 (BHRM 7540) Strategic Management of Human Resources

Human resources managers are being asked to think strategically. How can human resources add to the firm's capacity to relate to, respond to, and influence the diverse and conflicting challenges in the environment? *3 credits.*

BMGT 7545 Strategic Management

Strategic management aligns the organization with its environment. Beginning with a mission formulation that recognizes that the organization exists within an environment that provides resources and makes demands for outputs (products and decisions), the strategist determines the most effective and efficient process to transform inputs into outputs that meet external demands and enables the organization to thrive. *3 credits.*

BMGT 7550 (BHRM 7550) Cultural Dimensions of International Business

Focuses on the way local business and business negotiations are conducted. The way different cultures interface as they do business. Offered: Every other Fall (2003). *3 credits.*

BMGT 7552 China in the Global Economy

Learning through seeing and experiencing. This course is designed for graduate students to learn the economic and business environment in China by traveling to China. In addition to readings and class discussion, students will be asked to talk to people, to investigate the Chinese market and business conditions and conducts, and to observe foreign business operations there. Business and career opportunities will also be explored. Students will be asked to develop a related business plan or trade mission. Offered: Summer. *3 credits.*

BMGT 7565 Doing Business in the Caribbean Basin

Focus on business opportunities, culture and challenges. Taught on-site in the Dominican Republic. Experimental. *3 credits.*

BMGT 7599 Directed Research in Management

Directed and supervised research. Offered: Fall, Spring, Summer. *3 credits.*

BMGT 7917 (ECON 7915) The Economics of Labor

Analytical approach to the labor force. Emphasis on labor productivity, its sources, effects and trends; labor markets; comparative wages; criteria and labor deployment evaluated by means of contemporary models and trends. Impact of labor on the national and international economies. Offered: Spring. *3 credits.*

BMGT 7930 International Business Management

Introduces international aspects of business: trade, foreign exchange, international finance and banking, evaluating foreign environments, cross-cultural interactions, relations between multinational corporations and host governments, negotiations, human resource management and management problems in multinational corporations. Includes discussion of international business cases. Offered: Spring. *3 credits.*

BMGT 7945 Seminar on Leadership

An exploration of leadership models and theories. Experimental. *3 credits.*

BMGT 7950 Seminar in the Management of Change

Exploration of the literature on organizational development. Through the use of experiential simulations, opportunity to gain insight into the consequences of behavior in a situational context. Theory, experience and application of concepts integrated through change analysis. *3 credits.*

BMGT 7960 Special Topics in Management

A co-disciplinary supervised career-oriented, self-exploration. Note: Registration list is maintained by department. Offered: Summer. *3 credits.*

BMGT 7961 Special Topics: Inventory and Materials Management

Planning, acquisition, storage, movement, and control aspects of materials and final products in all types of organizations, service and production. Highlights recent international developments in

the field; for example MRP, MRP2 and JIT, etc. Use of computers in maintenance and control of inventory. Previous knowledge of computers is not a requirement. Suspended. *3 credits.*

BMGT 7962 Managerial Negotiating

An exploration of the conceptual literature on negotiating. Through the use of experimental learning modules, students negotiate in a variety of settings and groups. Offered: Spring. *3 credits.*

BMGT 7965 Total Quality Management

Total quality management applicable to service, production, education, government and nonprofit organizations. Starting with the old quality assurance practices, the course covers organizing for quality, quality systems and procedures, procurement quality control, standards, inspections, audits and the economics of quality. Quality management systems and technical systems. *3 credits.*

BMGT 7991 Management of Foreign Operations

The special circumstances under which an American firm operates abroad, including social customs, political environment, language and cultural problems, international relations. Economic and management problems peculiar to foreign operations. Offered: Spring. *3 credits.*

Human Resource Management

BHRM 7513 Compensation and Benefits Management

Analysis and evaluation of jobs of all types and systematic determination and administration of wages and salaries. Preparation of job descriptions, specifications and manuals. Suspended. *3 credits.*

BHRM 7515 Collective Bargaining

Collective bargaining as an ideal and actual practice. Techniques of arbitration and mediation. Conduct of bargaining sessions. Wages, grievances, seniority and other issues. Suspended. *3 credits.*

BHRM 7519 Legal Environment of Human Resource Management

Current status of major labor legislation critically evaluated in light of the historical, political and economic framework within which it developed. Suspended. *3 credits.*

BHRM 7521 Human Resource Management

Case study of supervisory decisions relating to motivation of employees; use of authority and the work environment. Examines problems of performance and reward systems. Analysis of individual and group relations. Offered: Alternate Fall semesters. *3 credits.*

BHRM 7526 Gender and Diversity

Explores how contemporary attitudes toward gender, race and ethnicity influence work and business. Examines the full range of issues, including the social-legal-political context of diversity, behaviors and perceptions associated with diversity, and personal and management strategies for addressing diversity. Uses lecture-discussion format and makes extensive use of experiential exercises and videos. Offered: Summer. *3 credits.*

BHRM 7535 International Human Resource Management

Explores human resource issues raised by globalization and internationalization of the firm. Offered: Every other Fall. *3 credits.*

BHRM 7540 Strategic Management of Human Resources

Human Resources managers are being asked to think strategically. How can human resources add to the firm's capacity to relate to, respond to, and influence the diverse and conflicting challenges in the environment? Suspended. *3 credits.*

BHRM 7543 The Joy of Business

How can an individual live a successful, prosperous and rewarding "business life" and live a life of joy and self-expression – a life that includes nurturing family and community relationships, vibrant physical health and respect for the human spirit? Can a business success model that actually nurtures and enhances the emotional, spiritual and physical health of the individual increase the profitability of the business at the same time? Suspended. Experimental. *3 credits.*

BHRM 7550 (BMGT 7550) Cultural Dimensions of International Business

Focuses on the way local business and business negotiations are conducted. The way different cultures interface as they do business. Offered: Every other Fall (2003). *3 credits.*

BHRM 7555 Technological Innovation through Human Resource Management

Focus on strategies for achieving innovation through people. Emphasis on managing scientific/technical professionals responsible for technological innovations. Experimental. Suspended. *3 credits.*

BHRM 7940 Seminar in Human Resource Management

Advanced seminar to be taken at the end of the M.S. in Human Resource Management program only. Emphasis on current issues and problems in human resources. Offered: Fall. *3 credits.*

BHRM 7950 (BMGT 7950) Seminar in the Management of Change

Exploration of the literature on organizational development. Through the use of experiential simulations, opportunity to gain

insight into the consequences of behavior in a situational context. Theory, experience and application of concepts integrated through change analysis. Offered: Every other Fall. Prerequisite: BMGT 6503 or BMBA 9104. *3 credits.*

BHRM 7960 Human Resource Moot Court

Procedures for advocating a human resource issue: developing a theory of the case; questioning parties; preparing a management-oriented brief; arbitration; negotiation. *3 credits.*

Department of Marketing

BMBA 9104 is a prerequisite for all BMKT courses except BMKT 6603.

BMKT 6603 Marketing Strategies

The marketing management process: identifying marketing opportunities, researching and selecting target markets, designing the marketing mix (product or service, price, distribution and promotional strategies), and planning, implementing and controlling the marketing effort. Strategic managerial decision making that harmonizes the firm's objectives and resources with needs and opportunities in the marketplace. Emphasis on ethics and the utilization of new media and information technologies in strategic marketing. Offered: Fall. *3 credits.*

BMKT 7607 Sport Marketing (See also BSPM 7607)

A strategic marketing examination of the sport industry. Sport events as marketing vehicles for corporations and brands, including licensing, merchandising, sponsorships and seasonal ticketing. The application of relationship marketing and database marketing to the sport industry. Offered: Fall. *3 credits.*

BMKT 7611 Marketing Research

Marketing research procedure: the systematic collection, analysis, interpretation and reporting of data that enable marketing executives to make better decisions. Techniques of marketing research, including problem definition, research design, sampling, measurement and questionnaire construction, data collection and analysis and report preparation. Ethical considerations in collecting data from consumers, including respondents' rights of anonymity, privacy and access to information about the study. The applications of emerging information technologies and data processing software (e.g., SPSS, Microsoft Excel) in marketing research. Additional prerequisite: BMBA 9102 or equivalent. Offered: Spring. *3 credits.*

BMKT 7617 International Marketing

The socio-cultural, economic, legal, technological and political implications for international marketing decisions. The development of global product or service, promotion, price and distribution strategies in the context of the firm's objectives and resources. Foreign-market entry strategies and business measures that companies must undertake in order to meet effectively the challenges of operating globally. Offered: Fall, Spring. *3 credits.*

BMKT 7619 Sales Management

A managerial approach to the organization's sales function. Topics include sales personnel recruitment, training, motivation, evaluation and compensation, account and territory development, and sales ethics. Emphasis on the sales manager's role in forecasting and planning, developing sales budgets and quotas, controlling and measuring sales performance, and integrating sales with the firm's promotional and distribution strategies. Offered: Spring. *3 credits.*

BMKT 7620 New Product Planning and Development

A comprehensive overview of the product planning and development process. Strategic planning and organizing for product development, product idea generation, technical and economic screening of product ideas, product concept testing, product development, product use testing, and market testing. These techniques are examined in the context of corporate entrepreneurship, social responsibility and the dynamic technological environment. Offered: Spring. *3 credits.*

BMKT 7621 Marketing Channels and Logistics

The channels of distribution that facilitate the flow of goods from the manufacturer to the consumer, including such marketing intermediaries as retailers, wholesalers, brokers, manufacturers' representatives, sales agents and transportation companies. Channel design objectives and alternatives, the development of integrated distribution systems, and the effects of channel decisions on pricing, promotion and targeting strategies. Not Offered 2002-03. *3 credits.*

BMKT 7623 Retail Operations and Strategies

The retail structure in the U.S. in relation to manufacturers, and the management, organization and operating problems of retail firms. The legal, cultural and social retailing environment; analysis of American shoppers and retail trends, store location determination, buying and merchandising functions, and store design, service and operation. The role of technology in the emergence of virtual shopping and other forms of non-store retailing. Not Offered 2002-03. *3 credits.*

BMKT 7625 Business-To-Business Marketing

Strategies used in business-to-business transactions and the distinctions and similarities between industrial and consumer marketing. Importance of the industrial buyer and the role of industrial marketing research in understanding these consumers. The management of the procurement process in terms of both the purchasing department and the entire company, with an emphasis on interdepartmental relationships and corporate resources and objectives. Offered: Fall. *3 credits.*

BMKT 7627 Consumer Behavior and the Marketing Mix

The behavior that consumers display in searching for, purchasing and using products and services is applied to market segmenta-

tion and targeting, product or service positioning, and implementing pricing, distribution and promotional strategies. Psychological, social, cultural and demographic factors that impact buying decisions and also uncover consumer needs and marketing opportunities. The application of consumer behavior to international markets, not-for-profit services, consumer protection and public policy issues, and new marketing media. Offered: Fall. 3 credits.

BMKT 7629 Advertising Strategy

The role of advertising in the firm's marketing mix with an emphasis on the planning, execution and control of advertising strategies. Market segmentation, brand imaging, positioning, advertising concept development and media planning and buying. These subjects are examined in the context of the agency-client relationship and the regulatory, societal, ethical and technological environment in which advertisers operate. Offered: Fall, Spring. 3 credits.

BMKT 7633 Cases in Strategic Marketing

This course incorporates current developments in marketing strategic thinking to further acquaint students with the present-day challenges of marketing activities. This course provides an opportunity to further develop an understanding of the scope, importance, and process of marketing as a system. Through practical illustrations, the course forwards a deeper understanding of the development and evaluation of marketing plans, strategies, and action programs. Prerequisites: BMBA 9101, 9102, 9103 and 9104. Offered: Summer. 3 credits.

BMKT 7640 Corporate Branding Strategy

Today's companies must develop effective branding strategies for their products and services, as well as identify strategies for their organizations. This course focuses on the strategic essentials of creating strong brands, brand management strategy, and strategies for building corporate brands. The topics covered include: what constitutes a strong "brand" (from both marketing and legal perspectives); using brand personalities and cultures to create customer value and loyalty; strategies for building brand equity through positioning; brand leveraging strategies (e.g. brand extensions) and brand alliances (e.g. co-branding); building and maintaining strong cohesive corporate identities; building brand identities around mergers and acquisitions; and turnaround measures for floundering brands. This course includes lectures, case analyses and at least one guest lecturer. Students will be required to analyze a given corporate branding strategy on the basis of the material covered. Prerequisite: BMKT 6603 or BMBA 9104. 3 credits. Offered: Fall 2002 on an experimental basis.

BMKT 7993 (ASIA 6211) Multinational Corporations in the Asian Market

The trading strategies of multinational corporations in the context of U.S.-Asian trade. The focus is on the financial, economic, legal and political factors affecting U.S.-Asia trade and corporate strategies designed to overcome such barriers. An examination of

the marketing of American products in Asia as well as the distribution of Asian products in the United States. Prerequisite: BMKT 6603 or BMBA 9103. Offered: Fall. 3 credits.

BMKT 9600 Services Marketing Symposium

Improving service quality through a better understanding of customers' needs. Topics include implementing a corporate service culture, understanding how customers evaluate service quality, developing service quality standards and integrating them into the firm's operations, managing the service encounter, customer retention measures, promotional strategies, and managing service demand and capacity to achieve operational efficiency and lower costs. The role of self-service technologies in improving service quality and developing new service offerings. Prerequisites: BMKT 6603 or BMBA 9104 and permission of instructor. Not offered 2002-03. 3 credits.

Integrated Concentrations

Financial Markets, Institutions and Instruments

The concentration deals with the organization and behavior of financial institutions and markets; their functions and roles in the domestic and international economies. Topics covered include an overview of financial intermediaries and the instruments integral to their operation, regulatory agencies, interest rates and risk management.

I. Required courses (6 credits)*	Credits
A. Choose one of the following:	
BFIN 7215 Capital and Money Markets	3
ECON 7451 Economics of Money, Credit and Banking	3
B. BFIN 7222 Financial Institutions	3
II. Choose two electives (6 credits)*	
BACC 7106 Financial Instruments	3
BFIN 7216 International Finance	3
BFIN 7230 Portfolio Analysis	3
BFIN 7232 Investment Banking	3

*Department prerequisites apply.

Healthcare Administration

The M.B.A. concentration in Healthcare Administration is offered through collaboration between the Stillman School of Business and the Center for Public Service/Graduate Department of Public & Healthcare Administration (CPS/GDPHA). All concentration courses are taught by the faculty of the CPS/GDPHA. All remaining M.B.A. courses are taught by faculty of the Stillman School of Business.

I. Required courses (9 credits)*	Credits
PSMA 7511 Introduction to the Healthcare System	3
PSMA 7513 Healthcare Management	3
PSMA 7514 Healthcare Financial Management & Accounting	3

II. Choose one from the following (3 credits)*

PSMA 7512	Healthcare Policy	3
PSMA 7518	Managing Community Health Systems	3
PSMA 8518	Legal Aspects of Healthcare Organizations	3

*Department prerequisites apply.

International Business

The concentration in International Business prepares students to successfully handle international business challenges and opportunities. Emphasis is placed on developing and refining business expertise in a variety of substantive areas, as well as instilling cultural awareness and global sensitivity.

I. Required course (6 credits)

BINT 6901	Global Business Environment	6
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II. Choose two electives (6 credits)*

BACC 7117	International Accounting	3
BFIN 7216	International Finance	3
BFIN 7221	Risk Management	3
BFIN 7235	Global Financial Markets	3
BHRM 7535	International Human Resource Management	3
BHRM 7550	Cultural Dimensions of International Business	3
BINT 9900	Seminar on the Multinational Corporation	3
BLAW 7323	International Law	3
BMGT 7527	International Management in Developing Countries	3
BMGT 7529	Doing Business in China	3
BMGT 7931	International Management	3
BMGT 7991	Management of Foreign Operations	3
BMS 7442	Electronic Commerce	3
BMKT 7615	Comparative Marketing Systems	3
BMKT 7617	International Marketing	3
BMKT 7993	Multinational Corporations in the Asian Market	3
BTAX 7039	Multinational Tax Seminar	3
ECON 7410	Global Economic Change	3
ECON 7412	The Japanese Economy	3
ECON 7441	International Trade	3

*Department prerequisites apply.

Pharmaceutical Management

The Pharmaceutical Management concentration seeks to help students enrolled in the M.B.A. program to develop specialization in what is a major feature of New Jersey's economy. The concentration would be of use to those already working in the field or those seeking to be employed by some of the major employers in the state and the region who are involved with pharmaceuticals. Students can take the specialization courses for the concentration in Pharmaceuticals Management after they have completed various other requirements of the degree such as the Foundation Sequence, the Essential Knowledge Sequence and the Breadth Sequence.

Required courses*

BACC 7140	Healthcare Cost Management	3
BLAW 7319	Products Liability	3
BMBA 9317	Supply Chain Management	2
BPHA 9501	Pharmaceutical Operations	3
BPHA 9502	Pharmaceutical Operations Colloquium	1

*Department prerequisites apply.

Program and Courses in International Business

(See also individual departmental listings for additional courses.)

Note: M.B.A. students require BMBA 9101-9104 Hubs I-IV as prerequisites for all advanced elective courses. Full-time M.B.A. students should consult with the dean's office. M.S.I.B. students require BINT 6901 for BFIN 7216, ECON 7441, BMKT 7617 and BMGT 7931. Advanced elective courses require BINT 6901 and the appropriate core course as prerequisites. Full-time M.S.I.B. students may take advanced elective courses with the advice and approval of the program director, based on their undergraduate degree and work experience.

BINT 6901 Global Business Environment

Focuses on understanding the global environment in terms of interrelated geopolitical, legal, cultural, economic and competitive issues. Team project is required. Offered: Fall, Spring. 6 credits.

BINT 6907 Global Strategy

Capstone seminar integrating previously discussed issue in light of American global competitiveness and strategic planning. Expert panel included in course. 3 credits.

BINT 7900 Global Business Practicum

Comprises an approved independent research project or internship with a U.S.-based global/international agency or a graduate business course or sponsored trip outside of the United States. Approval is granted by the director of the Institute for International Business. 3 credits.

Sport Management**BSPM 7220 (BFIN 7220) Sport Finance**

Analysis of the financial structure of sport organizations and activities. Specific review of professional sport leagues and teams, sport tours, minor leagues and college sport programs, as well as the financial management of private and public sport facilities. Issues relating to the various sources and uses of revenue and current controversies will be analyzed. Prerequisite: BMBA 9101. Offered: Spring. 3 credits.

BSPM 7401 (BLAW 7401) Sport Law

Examination of legal issues arising out of the areas of amateur and professional sport. Discussion of amateur sport includes the roles, rules and activities of the NCAA and questions involving amateurism, eligibility, sex discrimination and antitrust. Discussion of professional sport includes professional sport leagues, antitrust, labor relations, contractual questions and representation. Issues important in both areas will be discussed, including

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violence in sport, drug testing, tort issues, and sponsorships and endorsements. Prerequisite: BLAW 6301 or BMBA 9103. Offered: Spring. 3 credits.

BSPM 7535 (BMGT 7535) The Management of Sport Organizations

The application of management concepts and theories to sport organizations and the sport industry. Includes issues of organizational design, public policy, human resources, labor relations and collective bargaining, ethical issues in sport and the globalization of the sport industry. Prerequisite BMGT 6503 or BMBA 9104. Offered: Fall. 3 credits.

BSPM 7591 Sport Management Internship I

Offered: Fall, Spring, Summer. 3 credits.

BSPM 7592 Sport Management Internship II

Offered: Fall, Spring, Summer. 3 credits.

BSPM 7597 Directed Research-Sport Management

Offered: Fall, Spring. 1 credit.

BSPM 7598 Directed Research-Sport Management

Offered: Fall, Spring. 2 credits.

BSPM 7599 Directed Research-Sport Management

Offered: Fall, Spring. 3 credits.

BSPM 7607 (BMKT 7607) Sport Marketing

A strategic marketing examination of the sports industry. Sport events as marketing vehicles for corporations and brands, including licensing, merchandising, sponsorships and seasonal ticketing. The application of relationship marketing and database marketing to the sport industry. Prerequisite BMKT 6603 or BMBA 9104. Offered: Fall. 3 credits.

School of Business "Service Courses" and the Certificate in Graduate Business

The Stillman School provides a core of 6 courses as a service to and a component of a number of University concentrations and programs. These courses may also count for the Certificate in Graduate Business (15 credits), are open to all candidates who possess an undergraduate baccalaureate degree, and may be required as prerequisites for the M.S.I.B. program.

Fall:	Marketing Strategies (BMKT 6603)
Fall:	Management and Organizational Behavior (BMGT 6503)
Spring:	The National Economy (ECON 6402)
Spring:	Management Information System (BMIS 6701)
Summer:	Financial Accounting (BACC 6101)
Summer:	Legal and Social Environment of Business (BLAW 6301)

Additional Master of Science Courses

International Business (BINT)

(These courses may be taken as general M.B.A. electives with approval from dean's office.)

BINT 6901 Global Business Environment

Focuses on understanding the global environment in terms of interrelated geopolitical, legal, cultural, economic and competitive issues. Team project is required. Offered: Fall, Spring. 6 credits.

BINT 6907 Global Strategy

Capstone seminar integrating previously discussed issues in light of American global competitiveness and strategic planning. Expert panel included in course. 3 credits.

BINT 7900 Global Business Practicum

Comprises an approved independent research project or internship with a U.S.-based global/international agency or a graduate business course or a sponsored trip outside of the U.S. Approval is granted by the director of the Institute for International Business. 3 credits.

Information Systems (BBIT)

Program currently suspended.

Note: All courses with the designation BBIT are only open to matriculated students in the M.S. in Information Systems program.

BBIT 6751 Object-Oriented Development

Course presents the Object-Oriented (O-O) paradigm for software development from design to implementation. Students learn JAVA and use it extensively as a means of exploring the features of O-O. Prerequisite: Programming experience in a third-generation computer language. 6 credits.

BBIT 6753 Client/Server Architecture

Provides comprehensive understanding of client/server computing. Focuses on issues critical to planning, developing, implementing and managing client/server environments. Prerequisite: BBIT 6751. 6 credits.

BBIT 6755 Development in a GUI Environment

Deals with challenges of developing windows desktop database applications. Visual Basic is used to illustrate the Event-Driven Approach to application development. Course focuses on designing relational database management systems queries using SQL, graphing data, printing reports, developing commercial multi-user database applications and developing front ends for client/server systems. 6 credits.

BBIT 6757 Developing Enterprise-Wide Applications

Explores the technologies required to build global systems. Strategic business plans drive information technology development into areas, such as e-mail transport systems for communication, forms routing and replication of databases to deal with multimedia data. Course provides a better understanding of the role of information technology in reengineering business processes and the rapidly changing technologies that facilitate change. Ethical issues are explored. Prerequisite: BBIT 6755. *6 credits.*

BBIT 7750 Application Development Techniques

Focus is on emerging technologies and methodologies characterized by the use of high-level software development tools, small teams, participation by management and users, and an evolutionary design approach. Attention is given to critical management and organizational issues. Prerequisites: BBIT 6751, 6753, 6755. *3 credits.*

BBIT 7752 Telecommunication, Internet Working and Global Competition

Explores how the Internet and other telecommunication technologies can be used for competitive advantage. Focus is on globalization and information technology innovation. *3 credits.*

BBIT 7754 Information Technology Planning and Management

How traditional information technology processes are being reengineered and the issues associated with change. Explores the underlining causes of business dissatisfaction with information systems, methodologies for aligning information technology planning with strategic business goals. *3 credits.*

BBIT 7758 Software Process

The objective of this course is to understand the role of process and measurements in developing high-quality software for industrial use. This includes preparing code, collecting data and developing algorithms to learn quality management techniques. Prerequisite: Experience in at least one programming language, familiarity with basic statistics. Department chair's permission required. *3 credits.*

School of Diplomacy and International Relations



McQuaid Hall, First Floor
(973) 275-2515
diplomacy.shu.edu

Dean: Clay Constantinou (Ret. U.S. Ambassador), J.D., L.L.M.

Acting Associate Dean for Academic Affairs: Putnam Mundy Ebinger, Ph.D.

Associate Dean for External Affairs: Marilyn DiGiacobbe

Director of Graduate Admissions: David Giovanella, M.A.

Assistant Dean for Students: Wilmara Manuel, M.A.

Assistant Dean for Internships and Placement: Ursula Spinnato, M.A.

Graduate Faculty: Balmaceda; Bariagaber; Horne; Moremen; Smith; Wanis-St. John.

Faculty Fellows: Cobarrubias; Picco; Webb; Wister.

Distinguished Ambassador Faculty: Agathocleous; Chowdhury; Hassan; Kamal; Pachovski; Shamshad.

Adjunct Faculty: Brown; Clapp; Degnan; DeOlarde; DiMaggio; Dugan; Farrell; Fomerand; Gomez-Rivera; Klee; Paragyios; Santangelo.

About the School of Diplomacy and International Relations

The School of Diplomacy and International Relations was established in alliance with the United Nations Association of the United States of America, and is associated with the United Nations through its Department of Public Information. The School's academic programs, leading to a Bachelor of Science or a Master of Arts in Diplomacy and International Relations, prepare an international student body to become the next generation of global leaders.

Students come to the School from over 40 countries to participate in this innovative curriculum that educates students from a global perspective and promotes the use of diplomacy in careers in public service, business, law, technology, academia and the nonprofit sector. The School's curriculum is based on the need for cooperation amongst peoples and nations of an increasingly global society, and the need for leaders dedicated to developing these relations to achieve a better world.

"The vocation of every man and woman is to serve other people."

LEOTOLSTOY

The School offers state-of-the-art technology, a multicultural environment, a blend of theory and practical experience, and a values-based education to train students for the evolving roles of diplomacy in the 21st century.

Master of Arts in Diplomacy and International Relations

The School of Diplomacy and International Relations enrolls students from around the world who have completed undergraduate studies in a wide variety of disciplines as well as practicing professionals and diplomats.

The Master of Arts in Diplomacy and International Relations program provides a curriculum of interdisciplinary international studies taught from a global perspective. The School's graduate faculty includes both full-time academics, as well as professionals and diplomats who bring hands-on experience and practical perspectives to the classroom. The two-year program culminates in a professional internship that allows students to examine potential career tracks and introduces them to opportunities available upon graduation.

The School offers a variety of activities beyond the classroom that enhance the academic, professional and research skills of its graduate students. Students have the opportunity to intern at national and international businesses and organizations, present research projects and serve on the editorial board for the School's academic journal. The Graduate Student Association organizes a variety of social and academic activities. Graduate assistantships are available to highly qualified applicants.

The School participates in six dual degree programs designed to prepare students to bring diplomacy to the professions of business, law, communications and nonprofit management, and to specialize in Asian Studies. These joint degree programs are described on pages 113-116.

Application and Admission

Graduate applications are considered on a rolling basis, the preferred deadlines are May 1 (Fall), October 1 (Spring) and February 1 (Summer).

- For admission, applicants must hold a baccalaureate degree or equivalent from an accredited college or university.
- Standardized test scores are required from applicants who have graduated from U.S. undergraduate or graduate programs less than five years before the date of application. (GRE, GMAT, LSAT, or Miller's Analogy)
- Applicants who have completed U.S. degrees five or more years before the date of application may be required by the Admissions Committee to submit such test scores.
- Applicants who have graduated from universities outside the United States are not required to submit standardized test scores, but are recommended to do so.
- Students whose native language is not English, and whose primary language of instruction in their most recently completed degree was not English, are required to submit TOEFL scores. In general, a TOEFL score of approximately 600 for the written exam and 250 for the computer exam is expected.
- The School of Diplomacy reserves the right to require additional information or request a personal interview.

Application material must include:

- official transcript from each college and university attended for credit toward previous degree;
- written 250-500 word personal statement discussing professional goals, and special accomplishments or experiences;
- three completed academic and/or professional recommendation forms and accompanying letters (mix preferred);
- official standardized test score, if required, to be submitted by test administrator; and
- application fee of \$50.

Academic Information

Academic Standing

In order to be certified for graduation, students must have a cumulative GPA of at least 3.0. Students whose GPAs fall below 3.0 after completion of 12 credits or more are placed on probation. The academic progress of each student who is placed on probation is reviewed after completion of 12 additional academic credits. At that time, if the student's GPA does not meet the 3.0 requirement, the student is subject to dismissal from the School.

Leave of Absence

Students unable to register for a regular Fall or Spring semester because of illness, extraordinary job requirements, military service or other reasons may be granted a leave of absence without penalty. Requests for a leave of absence must be made in writing to Enrollment Services and the director of graduate admissions.

Students who have been granted a leave of absence must apply in writing for readmission not less than eight weeks prior to the start of the semester in which they intend to re-commence their studies.

Visiting Students

Graduate students in good standing at other universities may be granted permission to register for up to 12 credits at the School of Diplomacy and International Relations by filling out an application and submitting a letter of authorization from the dean of the graduate school in which they are enrolled.

Graduate Assistantships

The School of Diplomacy and International Relations may award one or more graduate assistantships each year to full-time students exhibiting high academic and professional potential. Graduate assistants are assigned 20 hours of work per week in support of faculty research and administrative work. The award consists of a 10-month appointment with a small stipend, and remission of tuition for 9 credits per Fall and Spring semester at the School of Diplomacy rate.

Degree Requirements

To attain the degree of Master of Arts in Diplomacy and International Relations, all students must satisfactorily complete a total of 45 credits of study.

Required core (27 credits)

DIPL 6000	International Relations Theory
DIPL 6001	Cultural and Ethnic Diversity
DIPL 6002	International Organizations and Global Public Policy
DIPL 6106	International Economics and Finance
DIPL 6310	Research Methods for Policy Analysis
DIPL 6311	Master's Research Project
DIPL 7111	Internship
DIPL xxxx	electives 6 credit hours

Optional general courses

DIPL 6312	Master's Thesis
DIPL 6997	Directed Research
DIPL 6999	Independent Study
DIPL 7112	Internship 2

Specializations (18 credits): Two functional or regional specializations are required, with a minimum of 9 credits in each. In consultation with an academic adviser, students select courses from the following, or others by advisement.

I. Functional Specializations

Communications

COJR 7421	Specialized Promotional Writing
COMM 6000	Writing for the Organization and the Client
COMM 7410	Cross-Cultural Communication
COST 7220	Effective Presentations
COTC 6100	Introduction to Organizational Communication
COTC 7120	The Law of Communication
DIPL 6103	Leadership in the Global Community
DIPL 6104	Art of Negotiation

Other courses are possible by advisement.

Human Rights

DIPL 6003	Sustainable Development
DIPL 6004	Peacemaking and Peacekeeping
DIPL 6008	International Criminal Law
DIPL 6009	Women, Gender and Islam
DIPL 6019	Women, World Religions and Human Rights
DIPL 6103	Leadership in the Global Community
JCST 6016	Lessons from the Holocaust
JCST 6029	The Holocaust: History and Theology

International Economics and Finance

BFIN 6203	Corporate Financial Management (<i>prerequisite for all other BFIN courses</i>)
BFIN 7216	International Finance
DIPL 6003	Sustainable Development
DIPL 6108	Bridging the Digital Divide
DIPL 6109	Negotiating International Trade

DIPL 6110	Globalization Impact on the State
DIPL 6113	International Financial Institutions
ECON 6402	The National Economy (<i>pre-req for all ECON courses</i>)
ECON 7410	Global Economic Change
ECON 7412	The Japanese Economy
ECON 7420	Managerial Economics
ECON 7440	International Economics
ECON 7950	Public Finance

International Organizations

DIPL 6003	Sustainable Development
DIPL 6004	Peacemaking and Peacekeeping
DIPL 6005	Public International Law
DIPL 6007	U.N. Insider's View
DIPL 6008	International Criminal Law
DIPL 6010	Institutions of the European Union
DIPL 6013	International Environmental Policy, Law and Institutions
DIPL 6015	Human Resources Management in International Organizations
DIPL 6103	Leadership in the Global Community
DIPL 6400	State of the European Union
DIPL 6402	European Union: Governance and Policy
DIPL 6403	European Union: External Relations

International Education

EDAS 7774	Comparative Study of International Educational Systems
EDAS 9997	Historical Development of American Higher Education
EDAS 7765	Policy Analysis in Administration

Leadership Certificate in Educational Administration and Supervision:

EDAS 6667	Personnel Administration
EDAS 7762	Public Relations in Administration
EDAS 7772	Leadership Dynamics
EDAS 8983	Leadership Management Assessment

International Management

BGMT 7930	International Business Management
BHRM 7535	International Human Resource Management
BMGT 6503	Management and Organizational Behavior (<i>prerequisite for all BMGT courses</i>)
BMGT 7517	Management and Social Responsibility
BMGT 7527	International Management in Developing Countries
BMGT 7529	Doing Business with China (summer course)
BMGT 7540	Entrepreneurship
BMGT 7550	Cultural Dimensions of International Business
BMGT 7565	Doing Business in the Caribbean Basin

BMGT 7962	Managerial Negotiating
BMGT 7991	Management of Foreign Operations
DIPL 6015	Human Resources Management in International Organizations
DIPL 6103	Leadership in the Global Community
DIPL 6104	Art of Negotiation
DIPL 6108	Bridging the Digital Divide
DIPL 6109	Negotiating International Trade
DIPL 6110	Globalization Impact on the State
DIPL 6112	Management in Global Context
DIPL 6113	International Financial Institutions

Non-Government Organizations

DIPL 6033	NGOs and Sustainable Development
PSMA 6003	Public Policy Process, Analysis and Evaluation
PSMA 7311	Foundations of the Nonprofit Sector
PSMA 7312	Leadership and Management of Nonprofit Organizations
PSMA 7313	Resource Development (Fundraising)
PSMA 7314	Management of Fiscal Resources in Nonprofit Organizations
PSMA 7315	Managing Volunteers in Nonprofit Organizations
PSMA 7320	Nonprofit Information Management Systems
PSMA 7321	Grantsmanship
PSMA 8311-8329	Topics in Nonprofit Organization Management

II. Regional Specializations

Africa

DIPL 6701	20th Century Africa
DIPL 6702	African Political Institutions
DIPL 6703	American Foreign Policy in Africa
DIPL 6704	Economic Development in Africa

Asia

(For Chinese and Japanese language courses, see additional listings in the Department of Asian Studies section. Additional Asia regional specialty courses can be found in the Asian Studies section.)

DIPL 6601	Sino-U.S. Relations
DIPL 6602	Islam in Southeast Asia
DIPL 6610	Cultural History of Korea
DIPL 6611	International Relations of SE Asia
ECON 7412	The Japanese Economy
BMGT 7529	Doing Business with China (summer course)

Europe

DIPL 6010	European Union Seminar in Luxembourg
DIPL 6012	Trans-Atlantic Relations and World Politics
DIPL 6400	State of the European Union
DIPL 6402	European Union: Governance and Policy
DIPL 6403	European Union: External Relations

DIPL 6405	Foreign policy of Post-Soviet States
DIPL 6406	(formerly DIPL 6016) Eastern Europe and Post-Soviet Politics
HIST xxxx	(Russian and East European topics, contact the History Department)
JCST 6016	Lessons from the Holocaust
JCST 6029	The Holocaust: History and Theology

Latin America and the Caribbean

DIPL 6801	U.S. Foreign Policy in Latin American and the Caribbean
DIPL 6802	Peoples and Cultures of Latin America and the Caribbean
DIPL 6806	Political Economy of Latin America and the Caribbean
ENGL 7019	Seminar in Post-Colonial Literature

Middle East

DIPL 6500	(formerly DIPL 6020) The Modern Middle East: History, Challenges and Opportunities
DIPL 6501	The Modern Middle East: U.S. Involvement
DIPL 6502	Islamic Religion and Culture
DIPL 6503	(formerly DIPL 6009) Women/Gender in Islam
DIPL 6505	Afghanistan: History and Current Issues
JCST 6001	Christian-Jewish Encounter
JCST 6015	Cross-Cultural Analysis for Jewish-Christian Studies
JCST 6027	Middle East in the 20th Century
JCST 7036	Peace and War in Bible and Jewish Tradition

Dual Degree Programs

The School of Diplomacy and International Relations participates in six graduate dual degree programs with the Seton Hall University School of Law, the Stillman School of Business, and, within the College of Arts and Sciences, the Department of Public Administration, the Program in Corporate Communications and the Department of Asian Studies. Each program has its own admission process. Applicants for a dual degree program must be accepted separately to each program, either at the time of initial enrollment, or during the first year of study in either program. Once enrolled, students should consult with academic advisers in both programs to coordinate their curriculum. Dual degree course requirements for each program are listed below.

J.D./M.A. in Law and Diplomacy

The School of Diplomacy and International Relations and the School of Law jointly offer a four-year program leading to the degrees of Master of Arts in Diplomacy and International Relations and Juris Doctor (J.D.). The program, which is available only to full-time students, may be completed in only four years and one summer, rather than the five years usually required for the completion of both degrees.

Admission Requirements

Students must complete separate applications for the School of Diplomacy and International Relations and for the School of Law. Students should indicate on their original applications that they wish to pursue the combined degree program. Alternatively, students enrolled in the first or second year of full-time study at the School of Law may, during that year, apply for admission to the joint program by making application to the School of Diplomacy, identify themselves as candidates for the joint degree program and notify the Law School of their intent to seek admission to that program. Some loss of credits may result from such late application to the joint program. Only one application fee for the two programs is required.

Admission to the joint degree program requires that students be accepted for admission to each of the respective schools and that students' participation be approved by the admissions committees or academic deans of both schools.

Curriculum Requirements

The M.A. degree consists of 45 credits and the J.D. consists of 85 credits. A maximum of 14 credits completed at the Law School may be counted toward the credits required for completion of 15 credits of the M.A. degree. Only courses specified by the respective schools are eligible for cross-credits. Under exceptional circumstances, courses not included on the list of eligible courses may be approved for credit by the academic dean of the School of Diplomacy and International Relations and the academic dean of the Law School.

Because of residency requirements and other considerations, the combined program can only be completed by students enrolled on a full-time basis. With the joint consent of the academic dean of the Law School and the academic dean of the School of Diplomacy and International Relations, and for good cause, a student may be allowed to remain in the program although enrolled on a part-time basis only after the completion of the second year of full-time participation in the program. Such approval for part-time status must be renewed every semester. No waiver of the full-time status requirement may be granted during the first two years of the program.

A student enrolled in the combined degree program must complete 85 credits at the Law School and another 30 credits at the School of Diplomacy and International Relations, for a total of 115 credits, instead of the 130 credits that would be required to complete the two programs separately.

Pattern of Study

Students in the combined program spend their first year of study completing the regular first-year curriculum of the School of Law. During the second and subsequent years, students may complete the program by taking credits at both the School of Law and the School of Diplomacy and International Relations.

Advising

Students in the combined program must have their courses approved by the advisers in both the Law School and the School of Diplomacy and International Relations, and students should consult with the academic dean of each school regarding course schedules.

Dual Degrees with the Stillman School of Business

The School of Diplomacy and International Relations and the Stillman School of Business offer two dual degree programs. Students may combine the Master in Business Administration (M.B.A.) or the Master of Science in International Business (M.S.I.B.) with the Master of Arts (M.A.) in Diplomacy and International Relations. The dual degree programs take advantage of the synergy between the two fields to offer a program that provides a unique combination of detailed business training with a thorough understanding of international policy issues. Students apply independently to each program, either at the time of initial application, or during the first year of either program. For further information, please contact the School of Diplomacy or the School of Business. Course requirements are listed below.

Master's in Business Administration (M.B.A.)/ M.A. in Diplomacy and International Relations Dual Degree Program

Course Requirements

A. M.B.A. Program Component (30/33 credits)

I. Pre-Qualification Sequence as required (non-credit bearing)

II. Foundation Sequence (16 credits)

BMBA 9101	Decision Making I	4
BMBA 9102	Decision Making II	4
BMBA 9103	Financial Accounting and Legal Considerations	4
BMBA 9104	Human Interaction and Market Orientation	4

III. Essential Knowledge Sequence (2 credits)

BMBA 9201	Social Responsibility	2
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IV. Concentration Courses (12/15 credits)

Four 3-credit courses in one of the concentrations in the School of Business (five 3-credit courses for the Accounting concentration).

B. Diplomacy and International Relations Component (30 credits)

I. Global Studies Curriculum (18 Credits)

DIPL 6001	Cultural and Ethnic Diversity	3
DIPL 6002	International Organizations, Public Policy and the Practice of Diplomacy	3
DIPL 6003	Sustainable Development in Global Perspective	3
DIPL 6106	International Economics and Finance	3
DIPL xxxx	Electives	6

II. Research and Writing Curriculum (9 Credits)

COMM 6000	Writing for the Organization and Client	3
DIPL 6310	Research Methods for Policy Analysis	3
DIPL 6311	Master's Research Project	3

III. Experiential Learning (3 Credits)

DIPL 7111	Internship	3
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TOTAL CREDITS REQUIRED

60/63

*Note

1. Dual degree students do not take International Perspective (BMBA 9202) or Business Policy Capstone (BMBA 9400).

2. Dual degree students must write a Master’s Research Project under the guidance of joint Business/Diplomacy advisers.

Master of Science in International Business (M.S.I.B.)/ M.A. in Diplomacy and International Relations Dual Degree Program

Course Requirements

Diplomacy and International Relations (33 credits)

DIPL 6001	Cultural and Ethnic Diversity	3
DIPL 6002	International Organizations	3
DIPL 6003	Sustainable Development	3
DIPL 6106	International Economics and Finance	3
DIPL 6310	Research Methods for Policy Analysis	3
DIPL 6311	Masters Research Project	3
DIPL 7111	Internship	3
DIPL xxxx	Elective courses	12

International Business (24 credits)

BINT 6901	Global Business Environment	6
BMGT 7931	International Management	3
BMKT 7617	Marketing	3
MSIB xxxx	Elective courses as approved	9
Global Strategy	Capstone	3

TOTAL CREDITS REQUIRED 57

*Note: The M.S.I.B. Program accepts DIPL 6003 and DIPL 6106 in place of International Economics and International Finance.

Master in Public Administration (M.P.A.)/ M.A. in Diplomacy and International Relations Dual Degree Program

The Graduate Department of Public Administration in the College of Arts and Sciences and the School of Diplomacy and International Relations offer a dual degree program that combines the Master of Arts in Diplomacy and International Relations with the Master in Public Administration. The dual degree prepares professionals equipped to respond to the challenges of public sector administration in a global environment. The joint degree can be completed in 60 credits, instead of the 84 credits required to complete the two programs separately.

Students apply independently to each degree program, preferably indicating at the time of application that they intend to follow the joint M.A./ M.P.A. program if admitted. Students may also apply for admission to the dual degree program while enrolled in either of the two separate programs.

For further information, please call the School of Diplomacy and International Relations at (973) 275-2515, or the Center for Public Service (973) 761-9510.

Course Requirements

Diplomacy and International Relations (21 credits)

DIPL 6000	International Relations Theory	3
DIPL 6001	Cultural and Ethnic Diversity	3
DIPL 6002	International Organizations	3
DIPL 6106	International Economics and Finance	3
DIPL xxxx	Electives	9

M.P.A. Core Courses (15 credits)

PSMA 6001	Environment of Public Service Management	3
PSMA 6004	Economic Environment of Public Service Management	3
PSMA 6005	Financial Management and Control	3
PSMA 6009	Managerial Decision Making	3
PSMA 6010	Managing Human Resources in Public	3

M.P.A. Concentrations (choose one, 12 credits)

Public Service: Leadership, Governance & Policy	3
Management of Nonprofit Organizations	3
Health Policy and Management	3
Arts Administration	3
M.P.A. Electives	3

Research and Capstone Courses (9 credits)

DIPL 6310 or PSMA 6002	Research Methods	3
Research Seminar/Practicum: DIPL 6311; PSMA 7993 or PSMA 7992		3
DIPL 7111 or PMSA 7991	Internship/Field Placement	3

TOTAL CREDITS REQUIRED 60

M.A. in Corporate and Public Communication/ M.A. in Diplomacy and International Relations Dual Degree Program

The dual degree program combines advanced skills in communication with in-depth knowledge of international relations to prepare professionals to meet the challenges of corporate and public communication in an increasingly complex global environment.

Course Requirements

Diplomacy and International Relations (21 credits)

DIPL 6000	International Relations Theory	3
DIPL 6001	Culture and Ethnic Diversity	3
DIPL 6002	International Organizations	3
DIPL 6106	International Economic & Finance	3
DIPL xxxx	Diplomacy Electives	9

Communication (21 credits)

COMM 6000	Writing for Organization and Client	3
COTC 6100	Organizational Communication	3
COTC 7220	Effective Presentations	3
COTC/COMM	Electives	12

Research, Capstone and elective courses (15 credits)

DIPL 6310 or COTC 7110	Research Methods	3
DIPL 6311 or COTC 8190	Research Project	3
DIPL 7111	Internship	3
Free Electives		6

TOTAL CREDITS REQUIRED 57

M.A. in Asian Studies/M.A. in Diplomacy and International Relations

The Department of Asian Studies in the College of Arts and Sciences and the School of Diplomacy and International Relations offer a dual degree program with a focus on East Asia. A solid understanding of East Asian history, language and culture complements students' competence in international relations. The dual degree program can be completed in 60 credits, instead of the 81-84 credits that would be required to complete the two programs separately. This program will be offered beginning January 2003.

Course requirements

Diplomacy and International Relations (21 credits)

DIPL 6000	International Relations Theory
DIPL 6001	Cultural and Ethnic Diversity
DIPL 6002	International Organizations
DIPL 6106	International Economics and Finance
DIPL xxxx	Electives in Diplomacy and International Relations (9 credits)

Traditional East Asia (12 credits)

ASIA 6140	Survey of Chinese Civilization
ASIA 6121	History and Culture of Japan I
ASIA 6122	History and Culture of Japan II
<i>and one of the following:</i>	
ASIA 6141	Foundations of Chinese Civilization
ASIA 6142	Development of Chinese Civilization
ASIA 6143	Maturity of Chinese Civilization

Modern and Contemporary East Asia (6 credits)

ASIA 6145	Modern East Asia
ASIA 6146	Contemporary East Asia

Research and Practicum (9 credits)

ASIA 9111 or DIPL 6310	Research Methods
DIPL 6311 or ASIA 9200	Research Project/Thesis
DIPL 7111	Internship

Students requesting faculty recommendations for Ph.D. studies are required to write a thesis.

East Asian Language Component (12 credits)

Note: Students must demonstrate intermediate level proficiency before enrolling in these courses. Students with language fluency may be exempt from these courses and substitute free electives.

CHIN 6111-6114	Graduate Chinese Conversation and Composition I-IV
CHIN 6117-6118	Graduate Readings in Modern Chinese I-II
CHIN 6120-6121	Graduate Chinese Newspaper Readings I-II
JAPN 6111-6112	Graduate Modern Japanese I and II
JAPN 6113-6114	Graduate Newspaper Readings I and II

TOTAL CREDITS REQUIRED

60

Course Descriptions

DIPL 6000 International Relations Theory

Acquaints students with the key theoretical debates in international relations scholarship, and introduces students to the practice of diplomacy. Taken during the first semester of the program to strengthen writing and analytical skills. *3 credits.*

DIPL 6001 Cultural and Ethnic Diversity

Surveys cultural diversity manifested in the concepts of ethnicity, national identity and nationalism. Includes study of politico-sociological theory and case studies. *3 credits.*

DIPL 6002 International Organizations and Public Policy

Provides a historical and contemporary perspective with respect to international, inter-governmental and non-governmental organizations, and explores the rapidly growing body of public policy fostered at the regional, national and global levels. *3 credits.*

DIPL 6003 Sustainable Development in Global Perspective

Explores concepts of sustainable development in social, economic and political frameworks. *3 credits.*

DIPL 6004 Peacemaking Issues in the Contemporary World

Examines theories and research concerning the nature and causes of conflict at both the domestic and international levels, as well as methods for avoiding, managing or resolving such conflicts. Prerequisites: DIPL 6001, 6002. *3 credits.*

DIPL 6005 Public International Law

Explores the nature and content of international law governing relations between states and relations between states and non-state actors. The first part of the course examines the building blocks of international law; the second part applies this framework to particular topics, such as the use of force, human rights and international environmental law. *3 credits.*

DIPL 6007 UN: Insiders' View

Bridges the gap between students and practitioners by complementing an academic understanding of the United Nations with an appreciation of the day-to-day concerns and realities of the Organization. Structured around a series of guest lectures offered by U.N. officials and representatives of governments, civil society and the private sector on a broad range of substantive issues of current concern to the United Nations. *3 credits.*

DIPL 6008 International Criminal Law

Explores the historical, political and diplomatic evolution of international criminal law in this century, including war crimes, crimes against humanity and the International Criminal Court. *3 credits.*

DIPL 6010 Institutions of the European Union Seminar in Luxembourg

Students learn about diplomacy and international relations as well as European culture and history first-hand, by visiting some of the major institutions involved in European Union governance and in Europe's trans-Atlantic relations. *3 credits.*

DIPL 6012 Trans-Atlantic Organizations and World Politics

Examines the changing architecture of contemporary trans-Atlantic relations, and places this relationship within the wider frame of world politics, including NATO, the European Union, Organization for Security and Cooperation in Europe, as well the changes in the trans-Atlantic relations after the demise of communism in Russia, Eastern and Central Europe. Beyond the institutional analysis of international organizations, the course examines and explores interactions in the international arena – trans-Atlantic diplomacy, European identity, trade tensions and the economic dimension to common security, the treatment of U.S. disengagement in Europe and the impact of domestic politics on international relations. *3 credits.*

DIPL 6013 International Environmental Policy, Law and Institutions

Applies an interdisciplinary set of analytical tools to understand international environmental problems, especially those affecting the global commons, including climate change, ozone depletion and biodiversity. Surveys and analyzes the actual and potential institutions the international community employs to address these issues. *3 credits.*

DIPL 6015 Human Resources Management in International Organizations

Provides a comprehensive review of human resources management policies and practices in international organizations. It is designed to develop both analytical and practical skills for dealing with complex personnel management issues in a multicultural and political environment. *3 credits.*

DIPL 6019 Women, World Religions and Human Rights

Examines what sacred sources in religion say about women and how those scriptures have been interpreted and used in society (by men and women), in traditional religious societies (including actual cultural expressions of beliefs and practices related to gender, gender relations, sexuality, family and the role of women in the public sphere). It examines contemporary women's work that criticizes, affirms or amends traditional religious views and roles about women, especially how contemporary women (and men) working through human rights organizations address the questions raised by modernity and the quest for universal human rights. A cross-cultural perspective is particularly critical in this era of globalization and the emergence of an international women's rights movement. *3 credits.*

DIPL 6033 NGOs and Sustainable Development

Exploration of the role of nonprofit leaders in sustainable development efforts. *3 credits.*

DIPL 6103 Concepts and Applications for Leadership in the Global Community

Analysis of traits and behaviors essential in leading organizations and in managing organizational stakeholders. *3 credits.*

DIPL 6104 Art of Negotiation

Skills-based curriculum, including negotiation theories and front line negotiation experiences. Emphasis on interactive participation in exercises, discussions and conflict resolution research. *3 credits.*

DIPL 6106 International Economics and Finance

Fundamental concepts of international economics and global financial institutions as a basis for understanding global political economy. *3 credits.*

DIPL 6108 Bridging the Digital Divide

Using case studies drawn from the World Bank, the United Nations, the U.S. and other governments, students examine how information technology impacts developing economies in addition to analyzing the roles of government and business in bridging the digital divide. *3 credits.*

DIPL 6109 Negotiating International Trade

Provides basic background on reimbursement prices, transparency, standardization and dispute resolution at the federal, state and local level. Uses both theoretical grounding and case studies. *3 credits.*

DIPL 6110 Globalization: Impact on the State

Examines the major trends leading to a critical and rapidly changing role of the state, and shaping the 21st century world. *3 credits.*

DIPL 6113 International Financial Institutions

Analyzes dynamics of international trade and finance through the structure and work of the international financial institutions. Covers the basics of the international financial system and explores the potential for international cooperation in the field of development. *3 credits.*

DIPL 6310 Research Methods for International Policy

Facilitates development of ability for design, execution and critiquing research pertinent to policy development and management, at global, regional or national levels, including governmental, inter-governmental or non-governmental organizations. *3 credits.*

DIPL 6311 Master's Research Project

Students develop, execute and present a research project as a culminating component of the master's program, in consultation with a faculty mentor. Prerequisite: DIPL 6310. *3 credits.*

DIPL 6312 Master's Thesis

Provides an opportunity for certain students to extend the research and writing performed in DIPL 6311 by completion of a formal master's thesis. Registration requires approval from the graduate thesis adviser. The thesis and its defense must conform to standards established by the School of Diplomacy and International Relations. Prerequisite: DIPL 6311. *3 credits.*

EUROPEAN AREA STUDIES

DIPL 6400 State of the European Union

Comprehensive introduction to the history, development and current challenges in the structure and function of this evolving international organization. *3 credits.*

DIPL 6402 European Union: Governance and Policy

Readings and seminar discussion on the internal operations of the European Union in light of expansion. *3 credits.*

DIPL 6403 European Union: External Relations

Readings and seminar discussion on the emerging role of the European Union as it relates to neighbors and the world. *3 credits.*

DIPL 6405 Foreign Policy of Post-Soviet States

Detailed analysis of global role of states within former Soviet sphere, both among themselves and in relation to the European Union, China and the United States. *3 credits.*

DIPL 6406 (formerly DIPL 6016) Eastern European and Post-Soviet Politics

Comprehensive introduction to the politics of the former Soviet Union, Eastern Europe, and post-Soviet Russia, including development of the Soviet Union as a multi-national, planned economy empire and the causes of collapse, the challenges faced by the new states that emerged from the collapse, with special attention to the economic and political problems of these states' transformations as affected by the different legacies of the Soviet period in each of the countries involved. *3 credits.*

MIDDLE EAST AREA STUDIES

DIPL 6500 (formerly DIPL 6020) The Modern Middle East: History, Challenges and Opportunities

Commencing with an overview of the history of the Middle East crucial to understanding contemporary events, emergence of the modern period beginning 1832, concluding with current issues and opportunities. *3 credits.*

DIPL 6501 Modern Middle East: U.S. Involvement

This course examines U.S. involvement in the Middle East in the 20th century, exploring how the U.S. has emerged as the principal foreign actor in the Middle East. *3 credits.*

DIPL 6502 Islamic Religion and Culture

Comprehensive introduction to history and contemporary themes of Islam as a world religion developing in diverse cultural settings. *3 credits.*

DIPL 6503 (formerly DIPL 6009) Women/Gender in Islam

Exploration of the historical and contemporary interpretations of Islamic teaching and practice. *3 credits.*

DIPL 6505 Afghanistan: History and Current Issues

In-depth analysis of Afghanistan's modern history and its uneasy juxtaposition as a buffer state between British India and Russia. Also, the rise and fall of the Taliban movement, U.S. war against terrorism, and the challenges and opportunities of emerging from two decades of Russian occupation and civil war. Course material enhanced by the work of Ambassador Hassan, former Director General for Afghanistan in Pakistan's Foreign Ministry 1984 – 85, and current Professor of Diplomacy and International Relations. *3 credits.*

ASIAN AREA STUDIES

DIPL 6601 Sino-U.S. Relations

Based on historical events and the latest developments of the bilateral relationship between the United States and China, this course will explore how the relationship between Washington and Beijing evolved in the past three centuries with the interactions between the U.S. and "new China" – the People's Republic of China as the focus. Moreover, in probing the current affairs in Sino-U.S. relationship, specific areas such as the Taiwan issue, security and economic cooperation, and human rights will be discussed. *3 credits.*

DIPL 6610 Cultural History of Korea

Korean history and culture, relations with neighbors, importance during the Cold War and Korea's future. Discussion of Korea's role as a buffer zone and hot spot between East and West, and between Communist and Democratic spheres. *3 credits.*

DIPL 6611 (formerly DIPL 6011) International Relations in Southeast Asia

Examines the southeast Asian states as autonomous actors, the regionalization of southeast Asian foreign policies, and the states' and region's relations in the environment external to southeast Asia. *3 credits.*

AFRICAN AREA STUDIES

DIPL 6701 20th Century Africa

Evolution of Africa from dependent colonial status to sovereign states in the international political arena, and the role and impact of these states on global politics. *3 credits.*

DIPL 6702 African Political Institutions

An African-centered political system course focused on the salient economic, social and political variables and discussion of specific experiences. Examination of traditional background, colonial experience and post-independence era. *3 credits.*

DIPL 6703 American Foreign Policy in Africa

Historical development of American foreign policy in Africa. Analysis of the institutions and political and economic forces that shaped policy toward African countries and Africa's response to American foreign policy. *3 credits.*

DIPL 6704 Economic Development in Africa

Materialist analysis of problems associated with underdevelopment in Africa. Origin and evolution of the 'anatomy' of underdevelopment through the concept of 'structured dependence.' Investigation of trade, colonialization, foreign ownership of means of production and dependence on the world market. Examination of alternative development strategies. *3 credits.*

LATIN AMERICAN AND CARIBBEAN AREA STUDIES**DIPL 6801 U.S. Foreign Policy in Latin America and the Caribbean**

Foreign policy principles and practices shaped and put into effect in the context of Latin America and the Caribbean. *3 credits.*

DIPL 6802 Peoples and Cultures of Latin America and the Caribbean

Colonialism, slavery, race relations, state formation, dictatorship, foreign intervention, revolution, dependency and development as these apply to Latin America and the Caribbean from the Pre-Columbian period to the 21st century. Focus on the conflict and accommodation that marks the relationship between the native inhabitants of the New World and the Old World colonists and their descendants. *3 credits.*

DIPL 6806 (formerly DIPL 6109) Political Economy of Latin America and the Caribbean

Interaction of political and economic forces in shaping and implementing economic and social policies in Latin American and the Caribbean. *3 credits.*

INDEPENDENT STUDY AND EXPERIENTIAL COURSES**DIPL 6997 Directed Research**

Provides the opportunity for selected students to pursue a research project under the direct supervision of a member of the faculty. Details of course content are arranged individually. *3 credits.*

DIPL 6999 Independent Study

Students pursue a course of specialized reading and discussion supervised by a member of the faculty. *3 credits.*

DIPL 7111, 7112 Experiential Learning in Diplomacy

Provides students with an opportunity to develop skills through experiential learning in an institutional environment under the supervision of a faculty mentor. Typical placements are in intergovernmental or non-governmental organizations, governmental agencies or businesses involved in international matters. Students participate in an orientation at the beginning of the course and make a final presentation. Prerequisite: completion of at least 24 credits within the School of Diplomacy and International Relations. *3 credits each.*

DIPL 7113 U.S. Foreign Service

Intensive preparation and individualized review for entry to the U.S. Foreign Service. *1 credit.*

DIPL 7411-7413 (formerly DIPL 6411-6413) Journal Editorial Board

Students serve on the editorial board of the Seton Hall University Journal of Diplomacy and International Relations with the option to earn credit for this work. *1 credit each.*

College of Education and Human Services



Kozlowski Hall, 4th Floor
(973) 761-9395
education.shu.edu

Dean: Joseph V. De Piero, Ed.D.

Associate Dean: Reverend Kevin Hanbury, Ed.D.

Associate Dean for Student, Community and Academic Affairs:
Manina Urgolo Dunn, Ed.D.

Assistant Dean for Continuing Education: Reverend Christopher
Hynes, D.Min.

Assistant to the Dean: Marianne Coppola

Department Chairs-Graduate Programs

Department of Education Leadership, Management and Policy
(Formerly Educational Administration and Supervision): Charles P.
Mitchel, Ed.D.

Educational Studies: William McCartan, Ed.D.

Professional Psychology and Family Therapy: Bruce N. Hartman,
Ph.D., ABPP

Accreditation

The Counseling Psychology Ph.D. program is accredited by the
American Psychological Association. For further information contact:

American Psychological Association
Office of Program Consultation and Accreditation
750 First Street, N.E.
Washington, D.C. 20002-4242
(202) 336-5500

The Marriage and Family Therapy Ed.S. program is accredited by
the Commission on Accreditation for Marriage and Family
Therapy Education of the American Association for Marriage and
Family Therapy. The Marriage and Family Therapy M.S. program
has candidacy status. For further information contact:

1133 Fifteenth St., N.W., Suite 300
Washington, D.C. 20005-2710
(202) 452-0109

The College of Education and Human Services offers programs
of study leading to the following degrees: Bachelor of Science in
Education; Master of Arts and Master of Science; Educational
Specialist; Doctor of Education; Doctor of Philosophy; and Doctor
of Psychology. Candidates prepare for careers in teaching,
broaden their knowledge and understanding of the process of
education, improve their professional techniques and prepare for
leadership positions or careers in the psychological and human
services professions.

General Information

Application and Admission

Applicants to graduate study in the College of Education and
Human Services are expected to meet the general University
qualitative requirements for admission and comply with its
admission procedures. Department and program descriptions
include specific admission requirements.

Admission Examination

Applicants for admission to graduate study in the College of
Education and Human Services must take a standardized
examination. Most programs require the Miller Analogies Test.
The catalogue lists test requirements for specific programs.

For information concerning the Miller Analogies Test or the
Graduate Record Examination (GRE) and the dates on which they
are administered, students should contact The Career Center,
(973) 761-9355. Test results must be no more than five years old.

Requirements for Graduate Matriculation

Students and applicants should be familiar with the academic and
financial information provided in previous sections of this catalogue.

Master's degree students are expected to maintain a cumulative GPA of 3.0. Doctoral and Ed.S. candidates must maintain a cumulative GPA of 3.25. Students who fall below these levels are subject to departmental review and action.

Adequate academic performance is necessary but not sufficient for continuation and completion of College of Education and Human Services programs. The College is concerned that the professionals it prepares to work with others in helping relationships, demonstrate technical, ethical and interpersonal competency in their chosen field, particularly through field experiences. Despite adequate academic performance, as measured by the GPA, students may be denied a recommendation for certification and/or for graduation, if, in the judgement of the faculty, they do not demonstrate acceptable ethical, technical and professional behavior. Where possible, the faculty will assist students in remedying deficiencies.

“There are no national frontiers to learning.”

JAPANESE PROVERB

Masters of Arts and Science

The College of Education and Human Services offers graduate courses leading to the Master of Arts or Master of Science (M.A., M.S.).

Bilingual/Bicultural Education

Counseling (Also Available Online)

Education Leadership, Management and Policy (Also Available Online)

Education Leadership, Management and Policy –

Catholic School Leadership Program (Also Available Online; Out-of-State Applicants only)

Educational Media Specialist (Also Available Online)

Educational Studies/Catholic School Teaching: Educational

Partners in Catholic Schools (EPICS) Program

Elementary Education/Early Childhood Education (Pending State Approval)

English as a Second Language

Health Professions Education

Human Resources Training and Development

Instructional Design and Technology

Law Enforcement – New Jersey State Police

Marriage and Family Therapy

Principal Certification, Executive M.A. for

Professional Development Program

Psychological Studies

Secondary Education

Students should consult the appropriate department for specific programs and requirements.

Degree Requirements

In addition to the general University requirements for the degree, the College of Education and Human Services requires the candidate to:

- complete foundation courses as required;
- complete department course and credit requirements;
- pass the comprehensive examination where required; and
- complete all required coursework within six years of initial registration.

Successful completion of a written comprehensive examination is required in most departments of the College. The examination will reflect both foundation courses and application of specialization coursework. The decision of the readers concerning the quality of the examination is final and not subject to appeal.

The M.A. and M.S. programs require a minimum of 36 graduate credits. Some programs require more than this. Six graduate credits for graduate courses taken at other accredited institutions may be transferred depending on the currency and relevancy of the courses to the program being pursued. The credits may not have been applied toward a prior master's degree.

Foundation Courses for Master of Arts in Education

The College of Education and Human Services requires degree candidates in most programs to complete the following courses for nine credits:

EDST 6002	Graduate Research Methods
EDST 6336	Educational Psychology
EDST 6338	Foundations in Contemporary Education

Degree candidates in certain programs are required to complete one of the following courses:

EDST 6554	Child and Adolescent Psychology
or	
CPSY 7101	Research Methodology
EDST 7310	Ethical Issues in School and Society
EDST 7312	Current Issues in School and Society

Graduate Teaching Internships

Students whose program of study includes teaching internships are required to apply by December 1 for the following Fall Semester and April 1 for the following Spring Semester. Students need approval from their advisers and department chair. Transfer students must complete a minimum of 12 credits at Seton Hall before they will be assigned as student teachers. They should adhere to the following procedure:

- secure an application form from the associate dean; and
- return the completed application and a nonrefundable \$100 placement fee to the associate dean by December 1 for the following Fall Semester and April 1 for the following Spring Semester.

Teaching internships require full-time, daily participation in a school situation for a full semester. Each student teacher is assigned to an approved school and is guided by a college supervisor and a cooperating teacher who has been appointed by the principal of the school.

The student teacher is required to register for and attend the weekly seminars which begin the first week of classes.

Certification Programs

The College of Education and Human Services has graduate programs leading to professional certification in a wide variety of areas and specializations. In many programs, degree and certification requirements can be met at the same time. Students should consult the appropriate department for specific programs and requirements.

Post-Master's Professional Sequence in Marriage and Family Therapy

A certificate involving a minimum of 18 credits enables professionals with license-eligible degrees to enroll in courses in marriage and family therapy, which may satisfy requirements for licensing as marriage and family therapists and/or clinical membership in the American Association for Marriage and Family Therapy.

English as a Second Language Program

Designed as a support system for the international student, the English as a Second Language Institute offers classes at levels ranging from advanced beginner to pre-college. Small classes, created to meet the needs of individual students, are offered in communication skills such as listening, speaking and American culture, as well as in academic skills such as reading and writing. ESL courses and activities are planned to help students bridge the language and cultural gaps between their home countries and the U.S. and between the ESL program and the University academic courses.

Bilingual/Bicultural Education Program

The College of Education and Human Services has a concentration in bilingual/bicultural education leading to a undergraduate or graduate specialization in that field in Spanish, Chinese, Haitian, Japanese and Korean. This specialization also leads to New Jersey state teacher certification. The Chinese, Japanese and Korean programs are offered in cooperation with the Department of Asian Studies. Information is available from the Center for Bilingual Education, College of Education and Human Services.

Educational Specialist

The College offers the Educational Specialist (Ed.S.) degree in several areas of concentration as follows:

Department of Educational Studies

- Bilingual/Bicultural Education (973) 761-9617
- Instructional Design and Technology
- Professional Development Program

Department of Education Leadership, Management and Policy

- Education Leadership, Management and Policy
- Law Enforcement
- NJ State Police

Department of Professional Psychology and Family Therapy

- Marriage and Family Therapy
- School and Community Psychology

General Objectives

The Ed.S. degree is intended for professional educators and those in the helping professions who need preparation beyond the master's degree. The purpose of the degree is to advance and update skills and competencies and to meet the changing certification requirements. Credits earned in the Ed.S. degree may, in some programs, apply to advanced degrees.

The Ed.S. program is of particular interest to school administrators, educational researchers, teachers, department chairs, supervisors, counselors, school psychologists, management and training consultants, specialists in learning disabilities, marriage and family therapists, and specialists in pupil personnel services.

Application and Admission

Formal admission to graduate studies is necessary to enter the Ed.S. program. Requests for applications may be directed to the Graduate Admissions Office, College of Education and Human Services at (973) 761-9668.

These are the admission requirements for the Ed.S.:

- a master's degree in an appropriate field from an accredited college or university, when appropriate;
- public school teaching certification, if appropriate;
- acceptable scores on the Miller Analogies Test or the Graduate Record Examination;
- statement of professional goals, including indices of special accomplishments, such as leadership roles in the candidate's field;
- academic competence with a graduate-level cumulative average of 3.25 or better;
- three letters of recommendation from graduate faculty and professional associates in administrative and/or supervisory roles;
- an interview with the admission committee; and
- at least one course in research on the graduate level.

Individual programs may have additional requirements.

Degree Requirements

The Ed.S. programs require a minimum of 36 graduate credits beyond the master's degree. Students must meet the requirements set by each department in each of the four component areas. These components are departmental course requirements, interdisciplinary/interdepartmental studies, supervised field experience/internship and culminating experience (a project chaired by a faculty adviser and graded by a faculty committee).

Graduate credits earned in other accredited colleges or universities may be accepted in partial satisfaction of degree requirements, provided they have not been used to fulfill requirements for a previous degree and that the grade is a "B" or higher. The exact number credited depends on the currency and relevancy of the courses to the program pursued. A maximum of 6 credits can be accepted in transfer. The time limit for completion of the Ed.S. program is six years from first registration.

Doctoral Programs

The College of Education and Human Services offers graduate programs leading to the Doctor of Education (Ed.D.), Doctor of Philosophy (Ph.D.) and Doctor of Psychology (Psy.D.) with concentrations in a number of areas and programs:

Department of Education Leadership, Management and Policy (Ed.D./Ph.D.)

- General Administration (Ed.D.)
- School Business Administration (Ed.D.)
- Higher Education Administration (Ed.D.)
- Education Leadership, Management and Policy (Ed.D./Ph.D.)
- Higher Education, Leadership and Policy (Ph.D.)

Department of Professional Psychology and Family Therapy (Ph.D.)

- Counseling Psychology (Ph.D.)
- Marriage and Family (Ph.D.)
- Clinical Psychology (Psy.D.) (Admissions Suspended)

General Objective

The doctoral degree is granted upon completion of a program of study at Seton Hall University by which the student achieves

mastery in a specialty field and demonstrates the ability to pursue and complete an independent, scholarly investigation. The degree is not awarded automatically after a period of time or on the accumulation of a prescribed number of semester hours. The granting of the degree signifies that the individual has the competency to fill a leadership role in his or her area of specialization and that the College of Education and Human Services and the University attest to this.

Application and Admission

Formal admission to graduate studies is necessary to enter the Ed.D., Ph.D. and Psy.D. programs. Requests for applications may be directed to the Office of Graduate Studies, College of Education and Human Services at (973) 761-9668.

Admission requirements for the Ed.D., Ph.D. and Psy.D. are as follows:

- master's degree in an appropriate field, when appropriate;
- superior academic record (two official transcripts of all graduate and undergraduate coursework required);
- submission of a recent score (within three years) on either the Miller Analogies Test or the Graduate Record Examination (GRE scores required for marriage and Family Ph.D.)
- resume of professional background;
- statement of personal professional goals, addressing accomplishments, goals, clinical training and work, research involvement and interests, and academic experiences, with indication of specialization to be pursued;
- three letters of recommendation for doctoral study; and
- a personal interview.

Individual departments may have additional requirements.

Course of Study

In consultation with an adviser, each doctoral student develops an individualized program consisting of courses and other educational experiences, taking into consideration prior education and experiences, so as to best achieve appropriate professional and personal goals. A minimum of 90 graduate semester hours is required, although some programs may require more. Up to 45 graduate hours may be accepted as transfer credit. The exact number credited depends on the currency and relevancy of the work to the program pursued.

Completion Requirements

Doctoral students must apply for permanent matriculation during the semester in which 12-15 credits of doctoral coursework are completed at Seton Hall.

Satisfactory completion of a program of at least 90 graduate semester hours (at least 45 of which must be taken at Seton Hall) is required. Many programs require more than 90 total credits to meet specific program requirements. Each doctoral candidate must demonstrate competency in statistics and computer science. This may be accomplished through coursework and/or by examination.

A residency or period of intensive study is required. The specific conditions are determined in consultation with an adviser.

Doctoral students must take a comprehensive written examination to test their command of integrated knowledge in their field upon completion of all or most of the required coursework. When

students have passed this examination and have the positive recommendation of the department concerned, they will be advanced to candidacy for the doctorate.

Preparation and successful defense (oral examination) of an acceptable dissertation are required.

Candidates must complete all requirements for the degree, including the oral examination on the dissertation and the approval and filing of final copies of the dissertation within four years (two years for Executive Ed.D. students) after being advanced to candidacy or within eight years of their first enrollment, whichever comes first. Time extensions may be granted in unusual cases upon written application. Requests must have the support of the candidate's adviser and department chair and receive the concurrence of the associate dean. The total of all extension(s) shall not exceed two years. Students granted an extension may have to repeat courses, or take new courses as stipulated by programs.

Students who have been advanced to candidacy must register continuously for dissertation advisement in their major department. Dissertation advisement does not apply to the 90-credit requirement. If continuous matriculation is not maintained, students must reapply for admission.

Department of Professional Psychology and Family Therapy

Kozlowski Hall
(973) 761-9451
education.shu.edu/ppft

Faculty: DeRosa; Dunn, A.; Eppler; Foley; Hartman (*Chair*); Lee; Massey; Palmer; Smith; Thompson-Sard.

Degree and Certification Programs

The department offers master's degrees, specialist (Ed.S.), and Ph.D. programs. Some of the degree programs also are approved for New Jersey State Department of Education certification. They include the programs in School Psychology (Ed.S.) and Student Personnel Services, K-12 (M.A.).

The Marriage and Family Therapy Ed.S. program at Seton Hall University is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT), 1133 Fifteenth Street, N.W., Suite 300, Washington, D.C. 20005-2710, (202) 452-0109. The accreditation period for the Ed.S. is effective July 1, 2002 through June 2008. The Marriage and Family Therapy M.S. program has candidacy status from July 1, 1998 through June 2004.

General Admission

In addition to the general University requirements for admission to graduate studies, the Department of Professional Psychology and Family Therapy requires submission of scores on the Miller Analogies Test (MAT) or the Graduate Record Examination (GRE) and other department assessment techniques in addition to the requirements outlined below.

Academic and Competency Standards

Adequate academic performance is necessary for continuation in programs within the Department of Professional Psychology and Family Therapy. Students must show continued evidence of academic achievement by maintaining a 3.0 GPA at the master's level and a 3.25 GPA at the Ed.S. and doctoral levels. Students who drop below these averages, as measured at semester intervals, will be given a warning by the Academic Standards Committee and may not register until a final decision has been rendered by the committee.

Adequate academic performance is necessary but not sufficient for continuation in a program. Students must demonstrate technical, ethical, interpersonal and effective competence in their chosen fields, particularly through practica and internship experiences. Despite adequate academic performance, as measured by the GPA, students may be denied a recommendation for certification or prevented from continuing or graduating if, in the judgment of the faculty, they have not demonstrated particular competencies or have violated the ethical principles of the American Psychological Association (APA), the American Counseling Association (ACA), or the American Association for Marriage and Family Therapy (AAMFT).

Master's Programs

The Department of Professional Psychology and Family Therapy offers graduate courses leading to the Master of Arts in Education and Master of Science with the following specializations:

- Counseling; (M.A.);
- Psychological Studies; (M.A.);
- Student Personnel Services K-12 (**Admissions Suspended**); and
- Marriage and Family Therapy (M.S.)

Post-Master Licensing Sequence

A 12-credit, post-master's sequence designed to meet the educational requirements for licensure in New Jersey as a professional counselor is available through the M.A. in Counseling program. A minimum 18-credit post-master's sequence to facilitate license-eligible professionals to meet the requirements for licensure in New Jersey as a marriage and family therapist is also available.

Application Deadline

Only complete applications are processed by the screening committee. The master's programs have rolling admissions and accept applicants on a continuing basis.

Admission

Applicants must satisfy all University requirements for admission to graduate studies as well as the requirements of the department and the individual program.

Each program applicant for admission to degree is required to do the following:

- present evidence of a minimum of 8 undergraduate credits in psychology, sociology or education;
- submit a statement relating relevant experience, motivation and career objectives;
- submit three letters of reference attesting to academic potential and personal qualifications for the area of intended specialization; and

- be interviewed by the program committee.
- Additional admission requirements are listed in the appropriate program descriptions.

Ed.S. Programs

The Department of Professional Psychology and Family Therapy offers courses leading to the degree Educational Specialist with the following specializations:

- Marriage and Family Therapy
- School and Community Psychology

Application Deadline

Only complete applications are processed by the screening committee. The Ed.S. programs have rolling admissions and accept students on a continuing basis.

Ph.D. Programs

The Department of Professional Psychology and Family Therapy offers courses leading to the doctoral degree with the following specializations:

- Counseling Psychology (Ph.D.) – Accredited by The American Psychological Association
- Marriage and Family (Ph.D.)
- Clinical Psychology (Psy.D.) (**Admissions Suspended**)

The Counseling Psychology and Marriage and Family Ph.D. programs follow the scientist-practitioner model.

Admission

Admission to doctoral programs is competitive and is based on a thorough evaluation of each applicant by an admissions committee. Based on committee ratings, selected applicants are interviewed, and final decisions are then made.

In addition to the general admission requirements, each applicant must submit the following to the Office of Graduate Studies, College of Education and Human Services:

- recent (within five years) scores on the Graduate Record Examination;
- a detailed statement of all relevant professional work experience;
- a statement of career goals. For the Counseling Psychology and the Marriage and Family Ph.D. program, a personal statement of 2-3 pages addressing accomplishments, goals, clinical training and work, research involvement and interests, and academic experiences is required;
- three letters of recommendation, including at least one from a former professor and one from a present or former supervisor. Letters of recommendation for Marriage and Family Ph.D. must address three areas: clinical experience; research potential; and academic qualifications; and
- other supporting data, such as copies of publications, research reports, newspaper articles or other documentation supporting the candidate's qualifications and accomplishments (For Marriage and Family Ph.D. a graded or published writing sample is required).

Doctoral students are admitted for the Fall Semester only. Applications and all supporting material must be submitted no later than January 15 for Counseling Psychology (February 15 for

the Marriage and Family Ph.D.). Admission decisions are normally made by April 15.

Program Plan

Admitted students are assigned a doctoral adviser and meet with this individual to develop a tentative program based on prior coursework and college and program requirements. Students who have not completed this plan prior to the end of the first semester will not be allowed to enroll for courses in the subsequent semester.

Residency/Intensive Study

The requirements of intensive study vary according to each doctoral program's requisites.

Comprehensive Examination (Marriage and Family Ph.D.)

The passing of the comprehensive examination is considered a prerequisite for doctoral internships. The examination is normally taken after the candidate has completed at least 60 credits of graduate work, including all coursework in the core and research areas.

Students who fail any part are required to take that part over. A second failure results in dismissal from the program. Students should check individual program requirements, since these policies may vary by program.

Dissertation Process

The following types of research are acceptable in this department:

- Analogous or naturalistic studies
- Experimental, correlation or mixed designs
- Intensive research
- Empirical-integrative research
- Qualitative research

Continuous Registration

Students must register continuously for CPSY 9991-9999 Dissertation Advisement, until the thesis is completed and the final oral examination is passed. Students who are not taking courses or those who have failed the comprehensive exams must register for additional research study or maintain registration. Students also should refer to the general catalogue statements on continuity with regard to leaves of absence and continuation. Failure to register without being granted a leave of absence constitutes resignation.

Final Oral Examination

Following completion of the dissertation, a final dissertation defense is conducted. The examining committee is composed of each student's dissertation committee plus two additional faculty members. The final oral examination focuses upon, but is not necessarily limited to, the dissertation.

Students who fail this examination may request another examination but not earlier than three months from the time of the original examination. Students should check with the Graduate Admissions Office in the College for deadlines for submission of final copies and defense dates.

Time Limit

Doctoral candidates in the department's Ph.D. programs must complete their program within eight years of their acceptance dates. Time extensions may be granted in unusual cases upon

written application. Requests must originate with the student, and receive the approval of the program faculty. Final approval is from the chair of the department.

Student Responsibility

It is each student's responsibility to remain informed of all requirements, prerequisites, deadline dates and procedures within the doctoral programs. It also is each student's responsibility to maintain contact with the adviser and dissertation mentor.

Specialty Areas

The Department of Professional Psychology and Family Therapy offers doctoral programs in two specialty areas: counseling psychology and marriage and family.

The programs integrate science and practice. Accordingly, research is considered a significant component of the doctoral programs. The development and demonstration of research competency culminating in original research is expected of every candidate. Applicants should have both an aptitude for research and a willingness to pursue the rigors of research requirements in courses, independent study and in conducting of research.

Ph.D. in Counseling Psychology (Accredited by APA)

The over-arching goal of the program is to prepare counseling psychologists in the scientist-practitioner model to assume roles as responsible, competent members of the professional psychological community. Such members understand the value of science and research for the practice of psychology and the value of applied practice for the science of psychology. These individuals have developed skills, knowledge and self-understanding that allow them to help persons take responsibility for and control of their lives within the context of their development as human beings and the various systems and environments that impact their lives. Because counseling psychologists are working in increasingly diverse settings, the program provides an intensive grounding in psychological theory comparable to that provided to students in other specialties.

The philosophy of training maintains a strong emphasis on the approach to practice that distinguishes counseling psychologists from other professionals, as defined by APA Division 17: a focus on relatively intact, rather than severely disturbed people; a focus on assets, strengths and positive mental health regardless of the degree of disturbance; an emphasis on relatively brief interventions; an emphasis on person-environment interactions rather than an exclusive focus on person or environment; and an emphasis on educational and career development. All students follow a defined sequence of training in theory, research and practice with a comprehensive generalist focus and select an individual nine-credit minor concentration area in preparation for more specialized training in their internship and/or post-doctoral experiences. Past graduates have chosen careers in a variety of settings, including college and university counseling centers, health care and rehabilitation facilities, academic departments in universities, private practice and consultation, and business and organizational practice.

Consistent with the scientist-practitioner model, students are involved in research projects throughout their training. This begins in the first year, with an assignment as a research assistant

to a faculty member, and culminates with the design, data collection and analysis of at least one independent research project in addition to the dissertation. As members of the professional community, students are strongly encouraged to present their work at national and regional conferences, both during their academic career and after graduation.

Admission to the Program

Students are admitted to the Counseling Psychology Ph.D. Program if they have completed a bachelor's degree in psychology or a related field, or with master's degrees in psychology or counseling and evaluates transfer credits on a case-by-case basis. Admission to the program is competitive. Students are admitted once a year for the Fall Semester, with an application deadline of January 15. The following must be submitted to the Graduate Admissions Office, College of Education and Human Services, by all applicants:

- official copies of all previous undergraduate and graduate transcripts;
- official scores from the Graduate Record Examination;
- a completed graduate application form;
- three letters of reference from former teachers, professional colleagues or supervisors at work;
- a statement of career goals;
- a statement of research interests; and
- a sample of work that demonstrates the candidate's ability to perform at the doctoral level (optional). This may be a research project, publication from a professional journal or a case report on a client. Applicants who believe their standardized test scores are not representative of their true potential are particularly encouraged to submit work samples.

Individuals may be admitted to the Ph.D. program in counseling psychology with a B.A. in Psychology if they demonstrate academic promise (e.g., GPA, GRE scores, research experience, etc.), potential for personal growth (e.g., highly developed interpersonal skills, clinical experience, letters of recommendation, etc.), and a commitment to the profession of counseling psychology (personal statement). Students from historically underrepresented groups are encouraged to apply.

Admissions decisions are based on all of the above, in addition to a personal interview for a small group of applicants. The program also focuses on students who have demonstrated interests in both research and practice. Further, because of the highly interactive nature of the classroom and practicum experiences, students in the program learn from one another, as well as from their professors and supervisors. Therefore, the program seeks to admit students who bring both well-developed interpersonal skills and a variety of personal backgrounds, perspectives and life experiences that may serve to enhance the professional and personal development of their peers.

Interested individuals are encouraged to read the Counseling Psychology program doctoral student handbook at education.shu.edu/ppft/doctoralstudenthandbook.htm

Degree Requirements (95 credits)

I. Foundation of Professional Practice in Psychology (36 credits)

- A. Research and Statistics (15 credits)
- | | |
|-----------|---|
| CPSY 7006 | Statistical Theory and Computer Applications II |
| CPSY 9001 | Univariate Experimental Design |
| CPSY 9002 | Applied Multivariate Statistics |
| CPSY 9003 | Advanced Psychometric Theory |
| CPSY 9004 | Special Topics in Research and Evaluation |

B. Psychological Core (21 credits)

Although only one course is listed for each core area, at least one alternative selection is available in each area. To determine the appropriateness of any alternative selections, students must consult with the training director.

1. Biological Bases of Behavior (3 credits)
CPSY 6105 Biological Bases of Behavior
2. Cognitive-Affective Bases of Behavior (3 credits)
CPSY 6505 Principles of Learning and Behavior Modification
3. Socio-Cultural Bases of Behavior (3 credits)
CPSY 7515 Social Psychology
4. Individual Bases of Behavior (3 credits)
CPSY 8520 Seminar in Psychopathology
or
CPSY 8519 Seminar in Child and Adolescent Psychopathology
5. Ethical and Legal Issues in Professional Psychology (3 credits)
CPSY 8010 Seminar: Ethical and Legal Issues in Professional Psychology
6. History and Systems of Psychology (3 credits)
CPSY 7100 History and Systems of Psychology
7. Life Span Development (3 credits)
CPSY 6102 Psychology of Human Development
or
CPSY 8102 Seminar: Child and Adolescent Development in Context
or
CPSY 8702 Adult Development and Aging

II. Specialization Course for a Major in Counseling Psychology (59 credits)

A. Core (17 credits)

- | | |
|----------------|--|
| CPSY 8106 | Special Topics: Multicultural Competency |
| CPSY 8001-8002 | Supervised Research in Counseling: Psychology (1 credit for each course) |
| CPSY 8550 | Group Psychotherapy with Children and Adolescents |
| or | |
| CPSY 8701 | Techniques of Group Counseling |
| CPSY 8703 | Seminar in Vocational Psychology |
| CPSY 8705 | Psychoeducational Programming: Planning, Delivery and Evaluation |
| CPSY 9774 | Theories and Techniques of Counseling and Psychotherapy |

B. Assessment (11 credits)

- | | |
|-----------|---|
| CPSY 7203 | Practicum: Aptitude, Interest and Personality Testing (3 credits with a 1 credit lab) |
| CPSY 7502 | Individual Cognitive Assessment (3 credits with a 1 credit lab) |
| CPSY 8706 | Seminar in Clinical Assessment Techniques (3 credits with a 1 credit lab) |

CPSY 8502	Lab – Cognitive Assessment
CPSY 9706	Lab – Seminar in Clinical Assessment Techniques

C. Practicum and Internship (16 credits)

CPSY 8563	Practicum in Counseling Psychology I (3 credits with a 1 credit lab)
CPSY 9788-9789	Internship in Counseling Psychology (no credit)
CPSY 8564	Practicum in Counseling Psychology II
CPSY 8565	Practicum in Counseling Psychology III
CPSY 8566	Practicum in Counseling Psychology IV
CPSY 8567	Practicum in Counseling Psychology V
CPSY 9563	(1 credit lab for 8563 only)

Students registering for CPSY 9788-9789 will remain enrolled in the University and will pay a per-semester registration fee.

D. Minor Area (9 credits)

The minor area of specialization provides an opportunity for students to develop further expertise in some area of their choosing. This involves taking a 9-credit-hour sequence of related courses, independent readings, and/or research other than the dissertation. Possible minor areas are multicultural counseling, neuropsychological assessment, career counseling, and marriage and family therapy. The minor area is selected by the student in consultation with the director of training. Modifications to the minor area may be made at any time in consultation with the student's mentor.

Up to 3 credits may be double-counted toward degree requirements. For example, a student selecting neuropsychological assessment as a minor area would be allowed to count CPSY 6105: Biological Bases of Behavior, a psychological core course, as satisfying three of the nine credits for the neuropsychological assessment minor as well as satisfying three of the 21 credits in the psychological core. The course has been double counted because it has satisfied credit hour requirements in two different areas. If a student chooses to double count a course, the total number of credit hours for the Counseling Psychology Ph.D. Program is reduced from 95 to 92 credit hours. Six of the 9 credits in the minor area must be taken at Seton Hall.

Please note: If you select neuropsychological assessment as your minor area, you will need to take CPSY 6105: Biological Bases of Behavior in the fall of your first year and CPSY 8521: Foundations of Neuropsychology Assessment in the spring of your first year in the program.

E. Dissertation Advisement (a minimum of 6 credits)

The 6-credit hours for dissertation advisement are counted in the calculation of the 95 total credit hours in the curriculum for the Counseling Psychology Ph.D. program. Dissertation advisement will begin in the Fall semester of the student's second year and continue for a minimum of two semesters (CPSY 9991-9992). Enrolling for additional dissertation advisement credits will be determined in consultation with the student's mentor. In addition, in order to stay continuously enrolled in the University after all courses and the Internship are completed, students must enroll in Dissertation Advisement (CPSY 9993-9994) until the dissertation is completed.

Marriage and Family (Ph.D.)

The Ph.D. program in Marriage and Family is designed to prepare professionals who already possess a relevant master's degree to become leaders in understanding, researching, and treating couples, families and systems. Students engage in advanced study of family psychology and family therapy. In learning about these sometimes distinctive domains and their vital interrelationships in the lived experiences of individuals, couples and families in their multiple contexts, students obtain a broad and comprehensive grasp of the knowledge base and technical expertise required to address the complex issues of individuals and families in contemporary society. Students obtain the academic training to be license-eligible as psychologists and as marriage and family therapists. The curriculum is based on a systems/relational understanding of human functioning. The curriculum provides the foundations in psychology, assessment, research, and treatment to become a psychologist. Concurrently the curriculum offers the bases in systemic theory, techniques, therapy, research, and supervision to serve as a leader in the practice of couple and family therapy. Students who do not already possess a master's degree in marriage and family therapy earn this enroute. Throughout the curriculum the focus remains on a systems approach to families as they interrelate with other systems including communities, cultures, schools, health care and legal procedures. The comprehensive examinations foster reflective interconnecting of biopsychosocial with systemic processes. Graduates are expected to assume roles as licensed mental-health professionals, supervisors, researchers and systemic thinkers.

Students who pursue this multidimensional and integrated curriculum engage in academic classes, research, and clinical work under supervision throughout the course of studies. The curriculum emphasizes biopsychosocial foundations, human development over the lifespan, gender and culture processes, systemic theories, assessment skills, statistical and research competencies, ethical and effective treatment and therapy. Research occurs in teams and under the guidance of a mentor. Research training includes a two-year sequence in statistics and a course in family-systems research methods. Research ends with the completion of an empirical dissertation. Clinical work takes place in collaboration with an approved supervisor. During their doctoral clinical work students complete 1,000 hours of direct client contact (500 are required for the en-route master's). At least 50 percent of these hours must be with families or couples. Students are to be supervised by an approved supervisor at a ratio of one hour of supervision for every five hours of client contact. At least 50 percent of the supervision must include live or taped data with at least 25 percent with live or video-taped data. Students are to receive both individual and group supervision. Students are expected to gain facility in individual and relational diagnoses; cognitive, personality, relational, and systemic assessment; treatment planning and interventions for individuals, couples, families, and larger systems. The full range of assessment training includes cognitive, personality, projective, and family assessment, with an option for neuropsychology. A clinical comprehensive examination is required. Clinical work culminates in a year-long internship.

Degree Requirements (100 credits)

(Up to 30 graduate credits may be waived, at the discretion of the program faculty, for previous graduate courses comparable to courses in the curriculum).

Prerequisite Courses

The following courses must be taken at the graduate level:

CPSY 6001	Tests and Measurements
CPSY 6105	Biological Bases of Behavior
CPSY 7101	Research Methods
CPSY 7620	Seminar in Systemic Therapies
CPSY 7621	Couple and Family Systems Techniques I
CPSY 7622	Couple and Family Systems Techniques II

Students must demonstrate competence at the graduate level in the following courses:

CPSY 6102	Psychology of Human Development
CPSY 6103	Abnormal Psychology
CPSY 6601	Couple and Family Dynamics: Systemic Perspectives
CPSY 7615	Gender and Ethnicity in the Family

Students either take CPSY 7610 Human Sexuality I and do independent doctoral work under faculty supervision on therapeutic approaches to human sexual dysfunction or take CPSY 7611 Human Sexuality II.

I. Core Courses (18 credits)**A. Biological Bases of Human Behavior (3)**

CPSY 8521	Foundations of Neuropsychology (prerequisite CPSY 6105)
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B. Cognitive-Affective Bases of Behavior (3)

CPSY 7104	Social Cognition and Human Learning
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C. Sociocultural Bases of Behavior (3)

CPSY 7515	Social Psychology
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D. Psychological Bases of Behavior (6)

CPSY 6101	Personality Theory
CPSY 8517	Seminar on Psychopathology and Systemic Diagnoses

or

CPSY 8519	Seminar in Child and Adolescent Psychopathology
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or

CPSY 8520	Seminar in Psychopathology
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E. Ethics

CPSY 8010	Seminar: Ethical and Legal Issues in Professional Psychology
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or

CPSY 8011	Seminar in Ethical and Legal Issues: A Systemic Approach
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II. Research and Statistics (17 credits)

CPSY 7005	Statistical Theory and Computer Applications I
CPSY 7006	Statistical Theory and Computer Applications II
CPSY 8004	Supervised Research in Marriage and Family I
CPSY 8005	Supervised Research in Marriage and Family II
CPSY 8101	Family Systems Research Methods
CPSY 9001	Univariate Experimental Design
CPSY 9002	Applied Multivariate Statistics

III. Specialization**A. Theory (15)**

CPSY 8620	Seminar on History, Philosophy and Models of Family Systems
CPSY 8615	Seminar: Gender and Culture in Family Systems
CPSY 8102	Seminar: Child and Adolescent Development in Context
CPSY 8103	Seminar: Adult Development and Aging in Context
CPSY 8518	Seminar on Systemic Perspectives on Human Pathologies

B. Clinical (12)

CPSY 7611	Human Sexuality II or Elective
CPSY 9985	Introduction to Child and Adolescent Therapy
CPST 8529	Advanced Assessment and Interventions with Couples and Families
CPSY 9080	Practicum in Supervision

IV. Assessment (16 credits)

CPSY 7508	Family Assessment (4)
CPSY 7502	Individual Cognitive Assessment (4)
or	
CPSY 7506	Cognitive Assessment of Children and Adolescents
CPSY 7503	Introduction to Projective Techniques (4)
or	
CPSY 7507	Personality Assessment of Children and Adolescents (4)
CPSY 7504	Introduction to Rorschach Techniques (4)
or	
CPSY 8523	Practicum: Advanced Neuropsychological Assessment (4)
or	
CPSY 8525	Neuropsychological Assessment of Children and Adolescents (4)

V. Clinical Training (10 credits)

	Credits	
CPSY 9871	Practicum in Systemic Approaches I	3
CPSY 9872	Practicum in Systemic Approaches II	3
CPSY 9873	Practicum in Systemic Approaches III	1
CPSY 9874	Practicum in Systemic Approaches IV	1
CPSY 9875	Practicum in Systemic Approaches V	1
CPSY 9876	Practicum in Systemic Approaches VI	1
CPSY 9877	Doctoral Internship	no credit
CPSY 9878	Doctoral Internship	no credit

Supervision is to follow COAMFTE guidelines.

CPSY 9884	Doctoral Internship	no credit
CPSY 9885	Doctoral Internship	no credit

Note: Students registering for CPSY 9884-9885 will remain enrolled in the university and will pay a per-semester registration fee.

VI. Dissertation Advisement (12+)

Dissertation advisement (CPSY 9991-9999) will begin in the Fall Semester of a student's second year, and generally lasts from four to six semesters. In order to remain continuously enrolled in the University after all courses are completed, students must enroll in Dissertation Advisement until the dissertation is completed.

Electives:

CPSY 8524	Clinical Psychopharmacology
CPSY 9095	Supervised Teaching in Counseling and Psychology

Psy.D. in Clinical Psychology (Admissions Suspended)

The doctoral program in clinical psychology is designed to provide knowledge and skills to the psychologist who will be working with children, adolescents and adults.

The clinical psychology program builds on clinical skills, but branches out to focus on research, supervision, leadership roles and in-depth diagnostic and intervention skills. Although specific attention is given to psychopathology, there also is a strong emphasis on maintenance and promotion of mental health. Primary prevention is viewed as a significant factor in the work of the psychologist/clinician in society.

This degree reflects the department's commitment to training in professional psychology. As a Psy.D. program, it is designed to train practitioners/scholars. The program's theoretical profile, generally speaking, is broadly psychodynamically oriented, with special attention given to life span assessment and intervention issues. A broadly psychodynamic program implies that all theoretically based forms of intervention are welcome, respected and taught (such as family systems, cognitive/behavioral or empirically validated treatments), but a psychodynamic approach unites the curriculum and serves as a base for program planning.

Graduates may and have functioned professionally in hospitals, mental health clinics, schools, juvenile and family courts, and other psychological-service settings. The program encourages the role of professional leadership and stresses critical thinking. The program emphasizes cultural diversity as well as a broad framework of ethical values.

Students must be intellectually able to master the major concepts in psychology, professionally motivated to enhance the human experience through a commitment to values that promote human welfare, and emotionally and socially mature. They must be motivated to sustain a career of scientific pursuits in psychology; show evidence of effective interpersonal skills; maintain an active and close working relationship with faculty; and participate actively in refining their own goals, broadening their experiences and evaluating themselves, the training program and the faculty.

In addition to coursework and practica, a full year of internship and an empirical dissertation are required. Practica placements require at least 12 hours per week for two years prior to internship.

Degree Requirements: 98 credits. (Admissions Suspended)

(Up to 30 credits may be waived, at the discretion of the program faculty, for previous graduate courses judged comparable to courses in the psychological core, foundations or statistics sequences).

Psychological Core Domain (27 credits)**Biological Bases of Behavior (3 credits)**

CPSY 6105 Biological Bases of Behavior

Cognitive/Affective Bases of Behavior (6 credits)

CPSY 6104 Theories of Cognition

CPSY 6505 Principles of Learning and Behavior Modification

Sociocultural Bases of Behavior (6 credits)

CPSY 7510 Social and Community Psychology

or

CPSY 7515 Social Psychology
CPSY 8100 Cross-Cultural Psychology

Psychological Bases of Behavior (6 credits)

CPSY 6102 Psychology of Human Development
CPSY 6103 Abnormal Psychology

Applied Professional Development (3 credits)

CPSY 8010 Seminar: Ethical and Legal Issues in Professional Psychology

Required Foundation (3 credits)

CPSY 7100 History and Systems of Psychology

Research and Statistics Domain (15 credits)

CPSY 7004 Introduction to Research in Clinical Psychology
CPSY 7005 Statistical Theory and Computer Applications I
CPSY 7006 Statistical Theory and Computer Applications II
CPSY 9090 Thesis Seminar I
CPSY 9091 Thesis Seminar II

Assessment and Interviewing Domain (23 credits)

CPSY 7501 Introduction to Clinical Skills (4)
CPSY 7502 Individual Cognitive Assessment (4)
CPSY 7503 Introduction to Projective Techniques (4)
CPSY 7504 Introduction to Rorschach Techniques (4)
CPSY 8521 Foundations of Neuropsychology
CPSY 8523 Practicum in Advanced Neuropsychological Assessment (4)
or
CPSY 8525 Neuropsychological Assessment of Children and Adolescents (4)

Psychopathology Domain (6 credits)

CPSY 8520 Seminar in Psychopathology
CPSY 8519 Seminar in Child and Adolescent Psychopathology

Practicum and Internship Domain (15 credits)

(Each practicum course requires an approved supervised field placement and a concurrent class meeting).

CPSY 7000 Psychotherapeutic Processes
CPSY 8901 Clinical Psychology Practicum I
CPSY 8902 Clinical Psychology Practicum II
CPSY 8903 Clinical Psychology Practicum III
CPSY 8904 Clinical Psychology Practicum IV
CPSY 9970-9971 Internship in Clinical Psychology (3 credits each)
CPSY 9972-9973 Internship in Clinical Psychology (0 credits each)

Intervention Courses and Electives Domain (9 credits)

(Note: one elective may be taken outside of the clinical psychology program).

CPSY 7102 Seminar in Professional Consultation in Psychology
CPSY 7621 Couple and Family Systems Techniques I
CPSY 7622 Couple and Family Systems Techniques II
CPSY 8000-8003 Supervised Research in Counseling Psychology

CPSY 8225	Children's Rights: Legal and Psychological Implications	CPSY 8517	Seminar on Psychopathology and Systemic Diagnoses
CPSY 8450	Group Psychotherapy with Children and Adolescents	CPSY 8801	Foundations of Assessment and Treatment in Systems
CPSY 8519	Seminar in Child and Adolescent Psychopathology	CPSY 9880-9881	Internship in Couple and Family Therapy One Elective (CPSY 8800 or an elective approved by adviser in accordance with accreditation standards).
CPSY 8540-8541	Seminar: Special Topics in Clinical Psychology I-II		
CPSY 9080	Practicum in Supervision		
CPSY 9095	Supervised Teaching in Counseling and Psychology		
CPSY 9985	Introduction to Child and Adolescent Therapy		
EDST 8225	Children's Rights: Legal and Psychological Implications		

Educational Specialist Programs

Marriage and Family Therapy (Ed.S.)

This program is intended for those persons who have completed a master's degree in counseling, psychology, social work, pastoral counseling or an allied field, and who wish to pursue a career in marriage and family therapy.

All students must complete a minimum of 39 credits at Seton Hall University. If students lack any prerequisite, they may be required to complete additional credits beyond the 39-credit minimum. Prerequisite courses are Abnormal Psychology and Couple and Family Dynamics: Systemic Perspectives.

The purpose of this program is to provide students with the theoretical background and experiential training necessary to develop professional qualifications as couple and family therapists. The program must be completed within five years. It meets the educational requirements for licensure within the state of New Jersey and for clinical membership in the American Association for Marriage and Family Therapy. The program is accredited by COAMFTE (see section Degree and Certification Programs on page 123).

Admission

In addition to University admission regulation, candidates in this program are required to submit the following:

- an official transcript reflecting a master's degree in counseling, psychology, social work, pastoral counseling or an allied field;
- transcripts of all graduate and undergraduate coursework;
- proof of three years of experience as a counselor/therapist;
- recent (within five years) Miller Analogies Test/Graduate Record Examinations scores;
- three letters of recommendation, including at least one from a former professor and one from a counseling/therapy supervisor;
- statement of goals; and
- appear for a personal interview.

Degree Requirements

CPSY 6102	Psychology of Human Development
CPSY 7101	Research Methods
CPSY 7610	Human Sexuality I
CPSY 7615	Gender and Ethnicity in the Family
CPSY 7620	Seminar in Systematic Therapies
CPSY 7621	Couple and Family Systems Techniques I
CPSY 7622	Couple and Family Systems Techniques II
CPSY 8011	Seminar in Ethical and Legal Issues: A Systemic Approach

A minimum of 500 hours of supervised client contact (at least 50 percent with families and couples) at an appropriate site with AAMFT approved supervisors is required for completion of the program. There must be one hour of supervision for every five hours of client contact and the supervision must include at least 50 percent live or taped cases with at least 25 percent live or video-taped. Students receive individual and group supervision. Successful defense of a written case study is the final step toward graduation.

Total Credits: 39 minimum

School and Community Psychology (Ed.S.)

The School and Community Psychology Ed.S. program trains psychologists to address the psycho-educational and socio-emotional needs of school age children and adolescents. Inherent in this training is the belief that children must be viewed in the contexts in which they live. The social, economic and cultural contexts shape their feelings, thoughts and actions. The school can usefully be regarded as the second nurturing agent beyond the family. Consequently, it is intimately involved in the growth and development of societies' youngest members. Students are provided with professional and academic training to address the individual, contextual and systemic needs of children and adolescents as well as those who nurture and support them.

This is a 42-credit program leading to the Education Specialist (Ed.S.) degree and certification in the state of New Jersey as a school psychologist. The program includes an Internship of 1200 hours as well as a Pre-Internship (Practicum) field experience of 120 hours. The theoretical model is an integration of dynamic and systems thinking. The program is recommended for individuals who wish to work in schools and in child and adolescent mental health facilities, or to prepare for doctoral study.

Admissions

Candidates for admission to the program may have earned either their undergraduate degree in psychology or graduate degree in psychology or in a related area (i.e., education). Students who have already earned the master's degree will take the 42-credit program described below. Prior to beginning the program courses, these students will need to meet prerequisite requirements. For example, students will need to complete any courses in the areas of psychological foundations (i.e., CPSY 6101 Personality Theory, CPSY 6102 Psychology of Human Development, CPSY 6103 Abnormal Psychology, CPSY 6105 Biological Bases of Behavior, CPSY 6505 Principles of Learning and Behavior Modification, and in educational foundations (i.e., EDST 7312 Current Issues in School and Society, and one additional course to be selected with the program adviser) that are necessary for certification and were not included in their previous programs.

Students who are admitted directly after successful completion of their undergraduate studies will follow the program of study described under the heading of the Master's Program in Psychological Studies with the exception of EDST 6336 Psychological Issues and Implications. These students will earn the master's degree after the successful completion of the Psychological Studies Program and the Ed.S. degree and certification in School Psychology after successfully completing the School and Community Psychology Program.

All students must take (or have taken) CPSY 6001 Tests and Measurements and CPSY 7005 Statistical Theory and Computer Applications I, or the equivalent. A maximum of 18 credits will be accepted for advanced standing at the master's level. Only 6 credits will be accepted for advanced standing at the Ed.S. level. These must be post-master's courses and must be approved by the program director and/or admissions committee.

In addition to University admission regulation, candidates who apply to this program are required to submit the following:

- a completed graduate application;
- official copies of all previous undergraduate and graduate transcripts;
- three letters of recommendation, including at least two from former professors;
- recent (within three years) scores on either the Miller Analogies Test (MAT) or Graduate Record Examination (GRE);
- a statement of career goals; and
- a personal interview by the program director and/or admissions committee.

Course of Study

EDST 6001	Comprehensive Approach to the Exceptional Learner	3
EDST 6108	Psychoeducational Foundations of Learning Disabilities	3
CPSY 7501/8501	Introduction to Clinical Skills/Lab	4
CPSY 7502/8502	Individual Cognitive Assessment/Lab	4
CPSY 7503/8503	Introduction to Projective Techniques/Lab	4
CPSY 8010	Seminar: Ethical and Legal Issues in Professional Psychology	3
EDAS 6601	Organization and Administration of Education	3
EDAS 6665	Curriculum Development and Evaluation	3
CPSY 9985	Introduction to Child and Adolescent Psychotherapy	3
CPSY 8511	Practicum in School Psychology (120-hour field placement)	3
CPSY 7505	Seminar: Case Studies in Psychology	3
CPSY 8580	Internship In School and Community Psychology I (600-hour field placement)	3
CPSY 8581	Internship in School and Community Psychology II (600-hour field placement)	3

Total Credits: 42

M.A. and Post-M.A. in Education Programs

Counseling (M.A.)

The Counseling curriculum is designed as a generic program, providing students with a general background and preparation in counseling. The major goal is to provide students with a thorough background in theory, skills and models of interventions essential to effectively function in a variety of settings, with particular emphasis on the interrelationship between counselor and community.

Curriculum: A Scientist-Practitioner Model of Training

I. Core Courses

Human Growth and Maladaptive Behavior (6 credits) Credits

CPSY 6102	Psychology of Human Development	3
CPSY 6103	Abnormal Psychology	3

Social and Cultural Foundations (6 credits)

CPSY 6303	Community Agencies	3
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Select one of the following:

CPSY 6601	Couple and Family Dynamics: Systemic Perspectives <i>or</i>	
CPSY 7515	Social Psychology <i>or</i>	
CPSY 7510	Social and Community Psychology <i>or</i>	
CPSY 8105	Race and Racial Identity in Counseling	3

Career and Lifestyle Development (3 credits)

CPSY 6301	Career Development & Information	3
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Appraisal (3 credits)

CPSY 6001	Tests and Measurements	3
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Research and Program Evaluation (6 credits)

CPSY 7005	Statistical Theory and Computer Application	3
CPSY 7101	Research Methods in Counseling*	3

*Note: 7005 is a prerequisite for 7101.

II. Counseling Skills Core

1. Helping Relationships (6 credits)

CPSY 6002	Counseling Theory	3
CPSY 6003	Counseling Skills	3

2. Professional Orientation (6 credits)

CPSY 6315	Problems and Techniques in Counseling*	3
CPSY 8010	Ethical and Legal Issues in Professional Psychology	3

*Note: Prerequisites include: 6002 and 6003.

3. Group Work (3 credits)

CPSY 6315	Group Counseling*	3
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*Note: prerequisites include: 6002, 6003

4. Supervised Fieldwork Training (9 credits, 600 hours)

CPSY 7310	Practicum	3
CPSY 7380	Internship I (300 total hours)	3
CPSY 7381	Internship II (300 total hours)	3

Total: 48 credits

Post-Master of Arts Licensing Sequence

According to the New Jersey Professional Counselor Licensing Act, to become a Licensed Professional Counselor, a candidate must have:

A. 60 graduate semester hours, which include a master's or doctorate in counseling degree (45 of the 60 hours must be distributed in eight of the following nine areas):

1. Counseling Theory and Practice;
2. The Helping Relationship;
3. Human Growth and Development and Maladaptive Behavior;
4. Lifestyle and Career Development;
5. Group Dynamics, Processing and Consulting;
6. Appraisal of Individuals;
7. Social and Cultural Foundations;
8. Research and Evaluation; and
9. The Counseling Profession.

B. Three years of supervised full-time counseling experience acceptable to the Professional Counselor Examiners Committee (one year may be eliminated by 30 graduate hours beyond the master's degree).

C. Candidates also must pass the National Counselor Examination. (The exam is given by the National Board for Certified Counselors Inc.)

Students who desire to complete the licensing sequence must continue past the M.A. with an interruption of no more than one semester following completion of the M.A. program in counselor preparation. Prior to commencing with the post-M.A. sequence, students will need to make application to continue into the licensing sequence. Students should take courses only with departmental advisement.

Marriage and Family Therapy (M.S./M.F.T.)

This program of study is designed for the beginning professional, with a bachelor's degree in psychology or a relevant field, who wishes to specialize in marriage and family therapy. The courses build the foundations in counseling/therapy skills and for completing the standard curriculum as stipulated by the Commission on Accreditation for Marriage and Family Therapy Education.

Applicants for the program who do not have experience in providing counseling/therapy must demonstrate a readiness to do so. Throughout the program, students are expected to combine classroom learning with clinical work under supervision at appropriate sites.

A minimum of 500 hours of supervised client contact (at least 50 percent with families and couples at an appropriate site) with an AAMFT approved supervisor is required. There must be one hour of supervision for every five hours of client contact and the supervision must include at least 50 percent live or taped cases with at least 25 percent live or video-taped. Students receive individual and group supervision. Students in the Marriage and Family Program who have finished all coursework but have not completed supervised clinical hours will be required to register for Theses Continuation. Successful oral defense of a written case study is the final step toward graduation.

The degree fulfills the current educational requirements for licensing in New Jersey as a marriage and family therapist, and

for clinical membership in the American Association for Marriage and Family Therapy. The program has COAMFTE candidacy status (see degree and certification programs on page 123).

Admission

In addition to the general University and department requirements for admission to graduate studies, the following guidelines are in force:

- an applicant is to submit GRE general scores, and the GRE specialty area of psychology is desirable;
- courses taken in counseling and psychological studies that are identical to MFT requirements can be applied. Applicants from outside Seton Hall may transfer up to 15 relevant graduate credits; and
- students are expected to have completed the prerequisites of Physiological Psychology (or a biology course, including a focus on human anatomy and the nervous system); Tests and Measurements, and Statistical Methods (either on the graduate level or through solid undergraduate courses).

Foundation Courses (15 credits):

CPSY 6003	Counseling Skills
CPSY 6101	Personality Theory
CPSY 6315	Problems and Techniques of Counseling
CPSY 6316	Group Counseling
CPSY 7515	Social Psychology

Prerequisites (6 credits):

CPSY 6103	Abnormal Psychology
CPSY 6601	Couple and Family Dynamics: Systemic Perspectives

Core Curriculum (39 credits):

CPSY 6102	Psychology of Human Development
CPSY 7101	Research Methods
CPSY 7610	Human Sexuality I
CPSY 7615	Gender and Ethnicity in Families
CPSY 7620	Seminar in Systemic Therapies
CPSY 7621	Couples and Family Systems Techniques I
CPSY 7622	Couples and Family Systems Techniques II
CPSY 8011	Seminar on Ethical and Legal Issues: A Systemic Approach
CPSY 8517	Seminar on Psychopathology and Systemic Diagnoses
CPSY 8801	Foundations of Assessment and Treatment in Systems
CPSY 9880	Internship in Couple and Family Therapy I
CPSY 9881	Internship in Couple and Family Therapy II
	One elective (CPSY 8800 or an elective approved by adviser in accordance with accreditation standards).

Certificate for License-Eligible Professionals in Marriage and Family Therapy

This is a certificate program for professionals, who have earned a degree that is license-eligible to become a marriage and family therapist, but who have not yet completed the requisite courses for licensure and/or the membership in AAMFT.

Admission requirements:

- 1) transcript of graduate degree, granted by an accredited university or professional school, which satisfies educational requirements for licensing as a marriage and family therapist in New Jersey;

- 2) statement of professional experience and goals for professional development;
- 3) interview with program committee;
- 4) three letters of recommendation (letters to address academic and clinical qualifications);
- 5) documentation of supervised clinical work with couples and families; and
- 6) adherence to the program and departmental requirements for admission.

A minimum of 18 credits are required for the certificate. Students must enroll in courses for which they have not earned previous credit.

I. Marriage and Family Studies

CPSY 6601	Couple and Family Dynamics: Systemic Perspectives
CPSY 7610	Human Sexuality I
CPSY 7615	Gender and Ethnicity in the Family
CPSY 7620	Seminar in Systemic Therapies
CPSY 8011	Seminar in Ethical and Legal Issues: A Systemic Approach
CPSY 8517	Seminar on Psychopathology and Systemic Diagnoses
CPSY 8518	Seminar on Systemic Perspectives on Human Pathologies

II. Marriage and Family Assessment/Therapy

CPSY 7621	Couple and Family Systems Techniques I
CPSY 7622	Couple and Family Systems Techniques II
CPSY 8801	Foundations of Assessment and Treatment in Systems
CPSY 7508	Family Assessment
CPSY 9880	Internship in Couple and Family Therapy I
CPSY 9881	Internship in Couple and Family Therapy II
CPSY 9985	Introduction to Child and Adolescent Therapy

Recommended sequence for students without previous background: 6601, 7620, 7610 or 7615, 7621, 7622, 8801.

Throughout the sequence of courses, students are to maintain a minimum GPA of 3.25 as specified in the graduate catalogue and to demonstrate technical, ethical, interpersonal and effective competency as stated in the graduate catalogue. Final granting of a certificate depends on fulfillment of these two criteria as well as completing sufficient courses. The certificate states that it attests only to the taking of courses. Final determination for practice, licensing or professional membership rests with state licensing boards and the American Association for Marriage and Family Therapy.

Students who need further courses for marriage and family therapy or AMMFT clinical membership may take the needed courses if previous courses have been completed successfully. Students who have completed all prerequisite courses and who are eligible to begin the process for supervisor in training with the American Association for Marriage and Family Therapy may enroll in 9080 Practicum in Supervision.

Psychological Studies (M.A.)

This 36-credit program in basic theory and methods in psychology is recommended for (1) preparation for the Ed.S. or the doctoral degree in professional psychology, (2) exploration of the field. A comprehensive examination is required.

Upon completion of the master's program, many graduates proceed to obtain post-master's and doctoral-level training in clinical, counseling, school and other areas of psychology. Other graduates function professionally in mental health agencies, clinics, hospitals, youth and family services, residential homes, and forensic settings, or in employee assistance programs or other areas. Students have the opportunity to individualize a concentration area of three electives (9 credits). With adviser approval, students may undertake independent research or an independent study project.

Required Courses

CPSY 6101	Personality Theory
CPSY 6102	Psychology of Human Development
CPSY 6103	Abnormal Psychology
CPSY 6105	Biological Bases of Behavior
CPSY 6601	Couples and Family Dynamics: Systemic Perspectives
CPSY 7005	Statistical Theory and Computer Applications I
CPSY 7101	Research Methods
CPSY 7510	Social and Community Psychology
or	
CPSY 7515	Social Psychology
CPSY 8010	Seminar: Ethical Issues in Professional Psychology

Total: 36

Students must choose a concentration area of 9 credits in consultation with their adviser. Elective courses may include, but are not limited to, courses listed below. All electives MUST be approved by student's adviser, and in some cases, instructor approval or prerequisites may also be required.

CPSY 6000	Group Dynamics
CPSY 6001	Tests and Measurement
CPSY 6002	Counseling Theory
CPSY 6003	Counseling Skills
CPSY 6505	Principles of Learning and Behavior Modification
CPSY 7100	History and Systems of Psychology
CPSY 7102	Seminar in Professional Consultation in Psychology
CPSY 7615	Gender and Ethnicity in the Family
CPSY 8000	Independent Study/Research
CPSY 8100	Cross Cultural Psychology
CPSY 8519	Seminar in Child/Adolescent Psychopathology
CPSY 8520	Seminar in Psychopathology
CPSY 8521	Foundations of Neuropsychology

Student Personnel Services in Elementary and Secondary School Guidance and Counseling

M.A. in Education-Certification (Admissions Suspended)

This program is for counselors who will function in an educational setting, such as the elementary, secondary or post-secondary institution. Each of the following programs shares these common themes:

- self-understanding derived from interpersonal interaction as this relates to the understanding and development of the helping relationship and to the eventual formulation of one's own approach to counseling;
- acquisition of essential knowledge and skills related to the performance of a variety of tasks in actual job settings;
- awareness of the developmental aspects of human growth and the programmatic implications of these aspects; and
- emphasis on practical experience within the program to familiarize students with the tasks of the counselor and to give them the opportunity to demonstrate their competency in the performance of these tasks.

Degree and Certification Requirements

Complete 36 credits in concentration courses:

CPSY 6001	Tests and Measurements
CPSY 6002	Counseling Theory
CPSY 6003	Counseling Skills
CPSY 6102	Psychology of Human Development
CPSY 6301	Career Development and Information
CPSY 6315	Problems and Techniques of Counseling
CPSY 6316	Group Counseling
CPSY 6501	Professional Consultation/School Practice
CPSY 7101	Research Methods
CPSY 7380	Internship in Counseling
CPSY 7510	Social and Community Psychology
EDST 7510	Human Intercultural Relations

Elective: (3 credits):

CPSY 6303	Community Agencies: The Referral Process or
CPSY 6403	Occupations II: Educational Information and College Placement

Total Credits: 39

Successful completion of a comprehensive examination also is required.

Certificate in Sports Psychology

The Certificate in Sports Psychology is an 18-credit program that gives the student a knowledge base to function as a counselor with athletes in a wide range of settings. The program draws on course offerings from the School of Business as well as the School of Graduate Medical Education. It is designed for individuals who aspire to work in the field of coaching, education, fitness/wellness, sports medicine, etc.

Additional study could lead to an M.A. degree and/or licensure as a Professional Counselor (see the Counselor Preparation and Post-Master Licensing Sequence on page 132. This Certificate Program is open to advanced undergraduates, but is particularly

directed to graduate students. The Certificate will only be awarded to students who have completed the program requirements and have been awarded a B.A.B.S.

Requirements:

The program requires 18 credits and may accept a maximum of 6 credits for equivalent courses taken at Seton Hall or other colleges or universities. The following six courses are required:

1. CPSY 6800 Introduction to the psychology of Sport and Physical Education
2. CPSY 6802 Issues and Techniques in Counseling Athletes
3. CPSY 6804 Social Psychology of Sport, Group and Team Dynamics
4. BSPM 7535 The Management of Sports Organizations
5. GATC 6004 Athletic Training Principles I
6. CPSY 7310 Practicum in Counseling

Course Descriptions

CPSY 6000 Group Dynamics

Combining theory with application through observation of a group setting, a focus on the dynamics of various types of groups. Study of the small group as a microcosm of the larger society. Requires field observation of groups. Prerequisite: department permission. *3 credits.*

CPSY 6001 Tests and Measurements

Rationale and assumptions underlying psychological tests. Consideration and evaluation of the types of tests commonly used in education and psychology. Introduction to theoretical foundations for assessing psychological constructs including methods for estimating reliability/validity and techniques for scale construction. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 6002 Counseling Theory

Examines in depth the function of theory in counseling; major theories and their contributions to the practice of counseling. Affords opportunity to begin the development of students' own theories of counseling. Prerequisite: department permission. *3 credits.*

CPSY 6003 Counseling Skills

Skill-building experience in facilitative behaviors (empathy, genuineness, extending client communication) using such techniques as modeling, role-playing, audiotape and videotape feedback, as well as other training methodologies. Extensive research has indicated that certain basic skills, interpersonal in nature, are essential to all helping relationships. *3 credits.*

CPSY 6004 Statistical Methods

Introduction to statistical methods needed for basic data analysis in education and psychology. Included frequency distribution, graphic presentation of data, measures of central tendency, variability and linear regression/correlation (formerly RESH 6004). Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 6101 Personality Theory

Overview of major theories of personality, including psychoanalytic, ego psychology, humanistic, learning existential/phenomenological. Emphasis on structure and dynamics of personality, and implications for understanding behavior. Some primary source readings required. Current issues, such as gender identity, included. *3 credits.*

CPSY 6102 Psychology of Human Development

Overview of current theories of human development: biological, psychological, social, emotional and cognitive aspects of maturation and growth through the life cycle. *3 credits.*

CPSY 6103 Abnormal Psychology

Survey of maladaptations in light of current theory and research, including sociocultural factors, defense mechanisms, coping with stress. Etiology, diagnosis, treatment of classical syndromes. Understanding the individual; epidemiological and community approaches to treatment and prevention. *3 credits.*

CPSY 6104 Theories of Cognition

Selected current theories of perception and cognition. Integration and development of perception and cognition in child and adult; issues in assessment and psychological testing; psychopathology. Neisser and Piaget. Includes Gestalt, phenomenological and psychoanalytic perspectives. *3 credits.*

CPSY 6105 Biological Bases of Behavior

Essentials of neurology and endocrinology; sensation and perception; brain waves; sleep and arousal; physical aspects of emotions; genetic influences; special topics, such as MBD, aphasia, psychochemistry, disorders affecting the learning and cognitive processes, biofeedback, split brain. *3 credits.*

CPSY 6301 Career Development and Information

Overview of the factors in career development and occupational choices, including theories, sources of information, assessment, diversity issues and the impact of technology. Use of the Internet and online discussion required. *3 credits.*

CPSY 6303 Community Agencies

Application of community counseling model across diverse community agencies. Review how agencies provide preventative education, outreach, counseling, advocacy, social and public policy, and consultation interventions to clients and communities. Attention given to cross-cultural issues, managed health care, service utilization, and agency systems. Students prepare and present a portfolio on a community agency by collecting information and interviewing staff. *3 credits.*

CPSY 6310 Psychology and Sociology of Alcoholism

Psychological and sociological determinants of alcoholism, with attention to etiology as it relates to ethnic and socioeconomic factors. Role of the counselor. Criteria and methods for diagnosing alcoholism and for exposing and dealing with the problem of relapse. Field experience may be required. Prerequisite: department permission. *3 credits.*

CPSY 6311 Physiology and Pharmacology of Alcoholism and Care Management

Focuses on the chemical alcohol and how it affects some of the major systems of the body. Considers the scope, philosophy and

mechanics involved in working as a member of a multidisciplinary, harmonious team in care management of alcoholics. Field experience may be required. Prerequisite: department permission. *3 credits.*

CPSY 6315 Advanced Counseling Skills

Enhance basic theoretical development and counseling skills. Didactic methods are used to examine counselor values, theoretical orientation, supervision and counseling interventions. Experiential methods are used to enhance intake assessment skills, psychological report writing skills, and counseling skills. Termination, business of therapy, values and worldviews are examined. Focus on role-playing and audiotapes. Prerequisites: CPSY 6002, 6003 and department permission. *3 credits.*

CPSY 6316 Group Counseling

Requires active participation in training group setting. Students learn group process through participation. Factors such as resistance, transference, group climate, norms and stages of development will be observed, experienced and studied. The format of this course will be experiential, not lecture-discussion. Prerequisites: CPSY 6002 and department permission. *3 credits.*

CPSY 6317 Group Process: Assessment

Concepts basic to measurement, such as reliability, validity and norms. Emphasis on review of instruments used to measure group process. Development of sociometric questionnaires. Students required to administer appropriate instrument(s) to ongoing groups and to provide interpretation to class. Purchase of assessment materials required. Prerequisite: CPSY 6000 or department permission. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 6403 Occupations II: Educational Information and College Placement

Opportunities for secondary school counselors to sharpen skills and increase knowledge in the area of pre-college achievement and placement. Hands-on activities, discussions and guest speakers from college admissions and financial aid offices, testing services, and other professionals in college counseling. Issues include: the role of the counselor in college selection; managing stress in college applicants and their parents; ethical dilemmas in college admissions, counseling for special populations, and use of computers in college counseling. *3 credits.*

CPSY 6501 Professional Consultation/School Practice

A study of the school psychologist's and the guidance counselor's consultant role in the schools as they interact with other professionals, administrators, curriculum coordinators and child study teams. Consultation with parents and referral sources also will be studied. *3 credits.*

CPSY 6505 Principles of Learning and Behavior Modification

Advanced course in learning theory and its application in the classroom and in therapeutic interventions. Theories of Pavlov, Skinner, and Bandura; recent research in behavior therapy, modeling and observational learning. Application and development of skill in behavior modification techniques, including observation of behavior, use of reinforcement, feedback, modeling, shaping and imagery. *3 credits.*

CPSY 6601 Couple and Family Dynamics: Systemic Perspectives

An introduction to family systems therapy and thinking including preliminary exposure to a variety of perspectives on families and couples. Students acquire an understanding of normative family lifecycle patterns and transitions as well as changing patterns in the family life cycle. The roles of gender and ethnicity in normative family patterns and in family-based therapeutic interventions are discussed. *3 credits.*

CPSY 7000 Psychotherapeutic Process

This course is required for child clinical Ph.D. students prior to the practicum sequence. The focus is on psychodynamic principles and object relations theory, integrating theory and technique. Theorists covered may include Freud, Mahler, Kernberg, Spitz and Pine. Prerequisite: permission of instructor. *3 credits.*

CPSY 7005 Statistical Theory and Computer Applications I

Students will be taught the interaction between measurement, research design and statistical analysis in sociobehavioral research. Statistical theory will be presented so students gain an insight to modern statistical methods. All students will demonstrate proficiency with current software for data analysis. *3 credits.*

CPSY 7006 Statistical Theory and Computer Applications II

Students will learn to use methods of data analysis that apply to experimental and nonexperimental research. Multiple regression and the generalized linear model will be presented for both univariate and multivariate data analysis problems. Students will conduct univariate and multivariate data analysis using modern computer software. *3 credits.*

CPSY 7100 History and Systems of Psychology

Develops an understanding of the history and systems of psychology with which the student can make critical judgements in his/her own research, place his/her own areas of interest in an integrated and homogenous history of development, communicate with colleagues outside of his/her own area of interest and identify himself/herself within the discipline of psychology. *3 credits.*

CPSY 7101 Research Methods

Systematic analysis and clarification of research problems, explanation of relationships between research hypothesis and research procedures and appropriate techniques for analyzing data and evaluating evidence. (Formerly RESH 7101). *3 credits.*

CPSY 7102 Seminar in Professional Consultation in Psychology

Theoretical and "hands on" study of consultation services in psychological service settings. Emphasis on the role of the consultant and interpersonal aspects of multidisciplinary relations. Registration is limited to Ph.D. students. *3 credits.*

CPSY 7103 Counseling Psychology: Professional Practice and Research

Introduction to the specific discipline of counseling psychology. Topics include: the history of counseling psychology, current definitions of the discipline, current issues in the field, specific areas of focus within counseling psychology (e.g., career counseling, primary prevention, health counseling, remedial therapy, etc.), the structure and leadership in Division 17 of the American Psychological Association, orientation to ethical and standards of

professional practice, and current topics (e.g., sports psychology, eco-counseling). *3 credits.*

CPSY 7104 Social Cognition and Human Learning

Processes of cognition as they develop in regards to relationships and systems. Human learning capacities focusing on schools and families, maximizing potentials, difficulties requiring intervention and the interphases with assessment. *3 credits.*

CPSY 7203 Practicum: Aptitude, Interest and Personality Testing

Supervised practice in administering, scoring and evaluating aptitude, interest and personality tests. Experience in organizing group testing programs for schools and agencies. Prerequisite: department permission. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *4 credits each.* (Lab-CPSY 9203)

CPSY 7301 Group Development: Theory and Observation

Theories of small group development as applied to sensitivity, counseling and therapy groups. Implications for leader. Use and construction of observational instruments. Requires one didactic period and one period of supervised observation for the semester. Culminates in case study of observed group. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 6000, 6315, 6316 and department permission. *6 credits.*

CPSY 7302 Psychology of Change in Small Groups

Theories of planned change relevant for vis-a-vis, problem solving groups. Techniques for the leader of conferences, committees, religious communities. Requires active participation in off-campus programs. Prerequisite: CPSY 6000 or permission of the instructor. *3 credits.*

CPSY 7310 Practicum in Individual Counseling

Supervised work in case study, diagnosis, specific program planning and team conferences. Use of audio and video tape. Students in counselor education are required to submit exposition of their own counseling theory. One hundred hours minimum of fieldwork experience is required. Placements need to be approved by the practicum/internship coordinator at least three months prior to placement. Failure to follow these guidelines will result in denial of registration for the course. Additional credits (maximum of 6) with department permission. Prerequisites: acceptance into counselor education program; usually final course in degree and certification work; Prerequisites: CPSY 6003, 6315. *3-6 credits.*

CPSY 7380-7381 Internship in Counseling

Supervised fieldwork placement for student personnel services workers or other counselors. Setting appropriate to area of concentration, including higher education, secondary or elementary education, and public or private agencies. Counselor preparation requires 300 hours and student personnel services requires 225 hours. Placements need to be approved by the practicum/internship coordinator at least three months prior to placement. Failure to follow these guidelines will result in denial of registration for the course. Prerequisite: department permission or corequisite of all other coursework. Prerequisites: CPSY 6003, 6315, 7310. *3 credits.*

CPSY 7501 Introduction to Clinical Skills

Theory and practice of clinical skills required for effective diagnosis and intervention, observation of behavior and interpre-

tations. Developing rapport; diagnostic interviewing; mental status examination; biosocial history. Prerequisites: CPSY 6101, 6102, 6103, 6104; acceptance into child clinical or school psychology program; permission of instructor. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *4 credits.*

CPSY 7502 Individual Cognitive Assessment

Measurement and evaluation of intelligence. Students learn to administer and evaluate the various Wechsler scales, and other selected measures of intelligence. Report writing and oral presentation techniques are stressed. Intelligence is viewed as a construct, an important component of the total personality, and influenced by significant external factors. Current issues such as adaptive behavior considered. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisite: CPSY 7501; permission of instructor. *4 credits.* (Lab-CPSY 9702)

CPSY 7503 Introduction to Projective Techniques

Theory of projective techniques. Administration and interpretation of selected projective techniques, such as H-T-P, TAT, kinetic family drawings. Ego psychology as a theoretical framework. Observational skills and report writing. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 7501, 7502; permission of instructor. *4 credits.*

CPSY 7504 Introduction to Rorschach Techniques

Theory, administration, scoring and interpretation of the Rorschach, with special reference to children and adolescents. Discussion of its place in the total diagnostic battery. Prerequisites: CPSY 7501, 7502, 7503; permission of instructor. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *4 credits.*

CPSY 7505 Seminar: Case Studies in Psychology

Review of current literature and research on the use and selection of diagnostic techniques; selection of appropriate techniques for developing a case study; emphasis on the continuous interaction between person and environment and the contextual nature of human behavior; oral and written communication and findings and recommendations; use of consultants and collateral services. Prerequisite: CPSY 7503. *3 credits.*

CPSY 7506 Cognitive Assessment of Children and Adolescents

Cognitive assessment with the focus on children and adolescents. *4 credits with laboratory.*

CPSY 7507 Personality Assessment of Children and Adolescents

Personality assessment with an emphasis on children and adolescents. *4 credits with laboratory.*

CPSY 7508 Family Assessment

A thorough exploration of the processes and instruments pertinent to evaluating and diagnosing couples, families, systems and individuals in context. *3 credits.*

CPSY 7510 Social and Community Psychology

History of social welfare and the mental health movement in the U.S. Selected topics from social psychology research applied to community mental health. Strategies for social change which promote human welfare. Critical evaluation of research, legisla-

tion and mental health programs. An ecological and systems perspective. Requires a field investigation project. *3 credits.*

CPSY 7515 Social Psychology

Exploration of the processes of mutual influence between individuals and groups. Topics include self as social, person perception, interpersonal attraction, pro-social behavior, aggression, attitudes and attitude change and intergroup relations. *3 credits.*

CPSY 7610 Human Sexuality I

Study of the development of male and female traits. Influence of society, culture and ethnicity in assuming masculinity and femininity. Investigation of issues within this area. *3 credits.*

CPSY 7611 Human Sexuality II

Designed to prepare doctoral and post master's students in the methods, strategies and techniques for diagnosis and intervention into problems of human social function. Primary emphasis on use of various proven methods as well as the techniques necessary for intervening into areas where clients have suffered physical and emotional illness. Prerequisites: CPSY 7610, 6601, 6103. *3 credits.*

CPSY 7615 Gender and Ethnicity in the Family

Explores the influence of gender and ethnicity on individual development and on family development and dynamics. Social, cultural, educational, economic and behavioral factors are discussed in terms of their influences on men and women within families, and on relational styles among culturally diverse families. Considerations of gender and ethnicity as related to family therapy practice and theory also will be addressed. Prerequisite: CPSY 6601. *3 credits.*

CPSY 7620 Seminar in Systemic Therapies

In-depth examination and discussion of current theoretical trends in marriage and family therapy. Comparison of models and formulation of one's own theoretical model. Prerequisite: CPSY 6601. *3 credits.*

CPSY 7621 Couple and Family Systems Techniques I

Analysis of specific techniques associated with major theoretical approaches by Palo Alto, Haley, de Shazer and narrative therapy. Attention given to skill development through use of role play, feedback and case review. Prerequisite: CPSY 7620. *3 credits.*

CPSY 7622 Couple and Family Systems Techniques II

Focus on techniques by Bowen, Minuchin, Papp and Madanes for treating couples and families. Classroom used as laboratory for enhancing skill development. Corequisite: CPSY 7621. *3 credits.*

CPSY 7910 Practicum in Individual Techniques in Psychotherapy

Close supervision with student who works with client. Setting goals, developing a treatment plan, engaging in effective interaction, critiquing and reporting progress. Ego psychology framework. Co- or prerequisites: CPSY 6102, 6103, 6104, 7501; permission of instructor. *3 credits.*

CPSY 8000-8003 Supervised Research in Counseling Psychology

For students, in consultation with a project coordinator, to design and conduct an individual research study. Prerequisite: department permission one semester in advance of anticipated enrollment. CPSY 8000, 3 credits; CPSY 8001 and CPSY 8003. *1 credit each.*

CPSY 8004 Supervised Research in Marriage and Family I

Independent study. Doctoral students serve as research assistants for faculty members on projects relevant to marriage and family processes. *1 credit.*

CPSY 8005 Supervised Research in Marriage and Family II

Independent study. Doctoral students serve as research associates for faculty members on projects relevant to marriage and family processes. *1 credit.*

CPSY 8010 Seminar: Ethical and Legal Issues in Professional Psychology

Codes of ethics and their application to professional issues. Current laws and court decisions affecting professional psychologists. Discussion of ethical dilemmas and the process of individual decision making. *3 credits.*

CPSY 8011 Seminar in Ethical and Legal Issues: A Systemic Approach

Exploration of the professional, ethical and legal issues in assessing and treating families, couples and individuals. Includes codes of ethics, laws and court decisions. Focuses on applications and decision making in practice. *3 credits.*

CPSY 8100 Cross-Cultural Psychology

Investigates the theoretical backgrounds of all major cultures around the world and applies that knowledge to the psychological functioning of different client populations. Examines in depth different methodologies, issues and research in cross-cultural psychology. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 6104, 6102, 8520. *3 credits.*

CPSY 8101 Family Systems Research Methods

An advanced course on research methodology with specific emphasis on systems. Prerequisite: CPSY 7101. *3 credits.*

CPSY 8102 Seminar: Child and Adolescent Development in Context

An advanced course on the processes and stages of children's and adolescents' development from a systemic perspective. Prerequisites: CPSY 6102, 6601. *3 credits.*

CPSY 8103 Seminar: Adult Development and Aging in Context

An advanced course on the processes and stages of adulthood and aging from a systemic perspective. Prerequisite: CPSY 8102. *3 credits.*

CPSY 8105 Race and Racial Identity in Counseling

This course is designed to introduce students to the role of race identity in the counseling relationship. Students will learn how race influences an individual's psychological and emotional development and how these factors play a significant role in the counselor's work. Most importantly, students will begin to examine themselves as racial beings and to understand how their race has influenced who they are and how they view the world and how this impacts their work with clients. All of the major racial identity models will be reviewed as part of this course. Prerequisites: CPSY 6101, 6316. *3 credits.*

CPSY 8508 Laboratory in Family Assessment

A laboratory taken concurrently with CPSY 7508. *1 credit.*

CPSY 8511 Practicum in School Psychology

Supervised work in public schools and/or other mental health settings, including observations and interviewing, psychological assessment, consultation and counseling. Emphasis on preparing students for internship experience. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 8517 Seminar on Psychopathology and Systemic Diagnoses

Exploration of etiology, dynamics and diagnosis of the range of physiological, psychological, interpersonal, family-systems and larger-systems pathologies affecting individual and group living. Instruction in differential and comprehensive diagnoses with attention to contextual and relational processes in dysfunctional development and coping. This is in addition to the lab fee. Prerequisites: CPSY 6103, 6601. *3 credits.*

CPSY 8518 Seminar on Systemic Perspectives on Human Pathologies

Exploration of clinical paradigms for psycho-social dysfunctions in family systems. In-depth discussion of symptoms, including dynamics of alcoholism and drug abuse; eating disorders; psychosomatic disorders; psychosis; AIDS; violence and abuse; depression; and the injured self in relationship. Examination of these syndromes in family, culture and gender contexts. Evaluation of appropriate personal and systemic therapeutic interventions. Prerequisites: CPSY 6103, 6601, 8517, 8519 or 8520. *3 credits.*

CPSY 8519 Seminar in Child and Adolescent Psychopathology

The etiology, symptomatology, assessment, and treatment of child and adolescent psychopathology. The matrix of factors (i.e., constitutional, environmental, cultural) that may lead to the derailment of child's/adolescent's progressive maturational trajectory. Preventative and therapeutic approaches that provide an overall environment responsive to the maturational needs of children/adolescents with varying clinical disorders. Prerequisite: Permission of instructor. *3 credits.*

CPSY 8520 Seminar in Psychopathology

In-depth study of the etiology, symptomatology and treatment of schizophrenia. Depression as a symptom and as a psychosis. Special topics, such as shame, guilt, suicide. Primary source readings. Prerequisites: CPSY 6103 or department permission. *3 credits.*

CPSY 8521 Foundations of Neuropsychology

Brain function correlates in cognition and behavior, basic concepts in neurology and psychology. Examination procedures and diagnostic issues. Specific functions, such as verbal, perceptual, practice, memory, concept formation, attention. Prerequisite: CPSY 6105. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 8522 Practicum in Assessment and Intervention

Personality assessment as a therapeutic technique. Using the assessment battery and case study to generate meaningful recommendations based on understanding the person in context. Field placement. Materials fee will be assessed for each student

the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 7501, 7502, 7503, 7504, 7509. *4 credits.* (Lab-CPSY 8523)

CPSY 8523 Advanced Adult Neuropsychological Assessment
Neuropsychological assessment of the adult will be reviewed across the following domains – sensorimotor, attention, visuoperceptual, memory, language and executive functions. Additionally, assessment approaches for various clinical presentations will be reviewed. Lecture content includes discussion of specific-functional-neuroanatomic models of behavior, cognitive functions, neurobehavioral syndromes, indications and limitations of corresponding neuropsychometric measures, review of test administration procedures and interpretation of test findings using clinical case data. Each lecture covers a particular domain of neuropsychological assessment. A required one-hour lab will provide practice with administration, scoring and interpretation of test protocols reviewed in class. Prerequisites: CPSY 6105, 8521, 7502, 6001. (Lab-CBBY 9523)

CPSY 8524 Clinical Psychopharmacology
Familiarizes students with basic theories of psychopharmacology. Student learns how and when to make medication referrals and for whom. Classes of psychopharmacologic agents will be reviewed and their therapeutic actions depicted. Differential therapeutics, medication triggers and contraindications will be emphasized for all classes of drugs and pathologies. Prerequisite: CPSY 6105. *3 credits.*

CPSY 8525 Neuropsychological Assessment of Children and Adolescents
Neuropsychological assessment of the child and adolescent across the following domains will be studied: sensorimotor, attention, memory, language, perceptual and executive function. Class will utilize lecture, computer instruction materials and demonstration of relevant assessment procedures. A required one-hour lab will provide practice with administration, scoring and interpretation of test protocols reviewed in class. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 6105, 8521. *4 credits.* (Lab-CPSY 9525)

CPSY 8529 Advanced Assessment and Interventions with Couples and Families
An integrative seminar to facilitate students' synthesizing theory, techniques, assessment, treatment and professional practice from a systemic perspective. Prerequisites: CPSY 8103, 8518, 8615, 8620, 9876, assessment sequence. *3 credits.*

CPSY 8530 Practicum in Family Therapy
Supervised work in case study, diagnosis and intervention strategies from a family systems perspective. Presentation of cases for critique and review. Use of audiovisual aids. Emphasis on developing a framework for observing and facilitating growth using a systems model. Field placement. Prerequisite: permission of instructor. *3 credits.*

CPSY 8540-8541 Seminar: Special Topics in Clinical Psychology I-II
Provides students and faculty with the opportunity to work collaboratively in studying in-depth a current or special topic in the area of clinical psychology. Prerequisite: permission of instructor. *3 credits.*

CPSY 8550 Group Psychotherapy with Children and Adolescents

Group psychotherapy in the resolution of the psychological difficulties of children and adolescents. The history of group psychotherapy movement, the use of groups to resolve resistances to maturational growth, the relationship between psychopathology and group process, the role of gender and ethnicity in group life, setting up and offering groups for children/adolescents, and group therapist characteristics and training. *3 credits.*

CPSY 8563 Practicum in Counseling Psychology I
The first of five required semesters of practica for doctoral students in counseling psychology. Students will be expected to complete a minimum of 8 hours per week at an approved site. Placements will commence on or about January 15 and end on or about May 15 for the Spring Semester, thereby allowing for approximately 16 weeks and 140 hours onsite practicum experience. Prerequisites: Counseling Theory; Counseling Skills; Group Dynamics; Tests and Measurements; Statistical Methods; Psychology of Human Development; Abnormal Psychology; Career Development and Information, and at least one semester of practicum at the master's level. *4 credits.* (Lab-CPSY 9563)

CPSY 8564 Practicum in Counseling Psychology II
The second of five required semesters of practica for doctoral students in counseling psychology. Students will be expected to complete a minimum of 16 hours per week at an approved site. Placements for the Fall Semester, will commence on or about September 1 and end on or about December 15 thereby allowing approximately 15 weeks and 300 hours on-site practicum experience. Prerequisites: CPSY 9777. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 8565 Practicum in Counseling Psychology III
The third of five required semesters of practica for doctoral students in counseling psychology. Students will be expected to complete a minimum of 16 hours per week at an approved site. Placements will commence on or about January 15 and end on or about May 15 for the Spring Semester, thereby allowing for approximately 15 weeks and 300 hours on-site practicum experience. Prerequisite: CPSY 5564. *3 credits.*

CPSY 8566 Practicum in Counseling Psychology IV
The fourth of five required semesters of practica for doctoral students in counseling psychology. Students will be expected to complete a minimum of 16 hours per week at an approved site. Placements for the Fall Semester will commence on or about September 1 and end on or about December 15, thereby allowing approximately 15 weeks and 300 hours on-site practicum experience. Prerequisites: CPSY 8563, 8564, 8565; complete assessment sequence for counseling psychology students. *3 credits.*

CPSY 8567 Practicum in Counseling Psychology V
This is the last of five required semesters of practica for doctoral students in counseling psychology. Students will be expected to complete a minimum of 16 hours per week at an approved site. Placements for the Spring Semester will commence on or about September 1 and end on or about December 15, thereby allowing for approximately 15 weeks and 300 hours on-site practicum experience. Prerequisites: CPSY 8563, 8564, 8565, 8566.

CPSY 8580-8581 Internship in School and Community Psychology

Supervised field experience designed to meet professional standards. Joint supervision with University faculty and field psychologist. Prerequisite: completion of program course requirements. *3-6 credits.*

CPSY 8615 Seminar: Gender and Culture in Family Systems

In-depth consideration and discussion of gender and cultural influences on family development and family dynamics. Prerequisite: CPSY 7615. *3 credits.*

CPSY 8616 Intermediate Statistical Methods

Extension of correlation techniques including, multiple correlation and regression, exploration of various complex analysis of variance procedures. Emphasis on application to problems faced by researchers in education and psychology. (Formerly RESH 8003). Prerequisite: CPSY 6004. *3 credits.*

CPSY 8620 Seminar on History, Philosophy and Models of Family Systems

In-depth examination of original sources of systems thinking. Exploration of history, philosophical premises and treatment considerations of systemic perspectives on individuals, couples and families. Study of systemic approaches in relation to development of psychology and family therapy. Prerequisite: CPSY 7620. *3 credits.*

CPSY 8701 Techniques of Group Counseling

The essential focus of this course will be students' actual participation in a training group. Primarily through that vehicle the course will identify the principles of group process and dynamics toward the application of facilitative group counseling techniques. Focus on the rationale and use of appropriate group intervention strategies. Prerequisite: 3 credits in group course. *3 credits.*

CPSY 8702 Adult Development and Aging

Investigates the critical life stages of men and women in a variety of lifestyles from marriage to cohabitation and single life. Changing roles experienced by adults as they reach their peak experiences as well as when they face older age viewed through psychological, sociological, physiological and economic factors. *3 credits.*

CPSY 8703 Seminar in Vocational Psychology

Review and evaluate traditional, emerging, and group-specific theories of career development. Discuss issues in career counseling practice and career assessment. Special topics in vocational psychology are explored. Students develop their own career development portfolio and present on topic of interest. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisite: CPSY 6301. *3 credits.*

CPSY 8705 Psychoeducational Programming: Planning, Delivery and Evaluation

Extending the life skills approach; an emphasis on interpersonal and self-control skills, such as assertiveness training, diet control, parenting, crises management, conflict resolution and stress management. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisite: CPSY 8704. *3 credits.*

CPSY 8706 Seminar in Clinical Assessment Techniques

Attempt to develop a model for understanding and identifying psychopathology and other psychological traits that may interfere with adjustment to daily living. Effective use of the psychological interview, the case history, and such instruments as the MCMI, the MMPI and the CPI in assessing personality. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. Prerequisites: CPSY 6001, 6103; 3 additional credits in testing. *4 credits.* (Lab-CPSY 9706)

CPSY 8800 Seminar: Contemporary Issues in Marriage and Family Therapy

Analysis of recent trends and issues in professional issues of marriage and family therapy. Presumes a working knowledge of systems thought. Prerequisite: CPSY 7622. *3 credits.*

CPSY 8801 Foundations of Assessment and Treatment in Systems

Continued exposure to systems theories, writings, and techniques, including Boszormenyi-Nagy. Minimum 50 supervised client-contact hours at approved site with approved supervisor. Case consultation. Prerequisite: CPSY 7622. *3 credits.*

CPSY 8901 Clinical Psychology Practicum I

The first in a sequence of four practica courses for clinical psychology students. Students meet weekly on campus to discuss cases and integration of theory and practice. Full-day field placement in an approved psychological service setting is required. Prerequisite: permission of instructor. *3 credits.*

CPSY 8902 Clinical Psychology Practicum II

The second course in the practicum sequence. Field placement continues. Prerequisite: CPSY 8901. *3 credits.*

CPSY 8903 Clinical Psychology Practicum III

The third course in the practicum sequence. A new field placement is required. Prerequisites: CPSY 8901, 8902. *3 credits.*

CPSY 8904 Clinical Psychology Practicum IV

Continuation of the practicum sequence. Field placement continues. Prerequisites: CPSY 8901, 8902, 8903. *3 credits.*

CPSY 9001 Univariate Experimental Design

Design of experiments and related statistical analysis in education and psychology. Analysis of variance for factorial designs, randomized block, hierarchical and split plot factorial designs, as well as the general linear approach to ANOVA. (Formerly RESH 9001). Prerequisite: CPSY 8616. *3 credits.*

CPSY 9002 Applied Multivariate Statistics

Provides a working familiarity with a variety of multivariate statistical techniques as they apply to education and psychology. Techniques include multiple regression, path analysis, factor analysis, analysis of covariance, multivariate analysis of variance, discriminate functioning analysis and canonical correlation. (Formerly RESH 9002). Prerequisite: CPSY 8616. *3 credits.*

CPSY 9003 Advanced Psychometric Theory

Intended to augment test score interpretation skills for the social science professional. Students will develop skills in test construction, item analysis and test validation. Test score equating,

standard setting and item response theory will be studied. Students will be required to develop proficiency with current computer software for these topics. Materials fee will be assessed for each student the first week of class. This is in addition to the lab fee. *3 credits.*

CPSY 9004 Special Topics in Research and Evaluation

Provides students with the opportunity to learn methodologically diverse approaches to studying human behavior using current or special topics in research and evaluation. Prerequisites: CPSY 9001, 9002, 9003. *3 credits.*

CPSY 9080 Practicum in Supervision

Models and methods of professional consultation and supervision in a variety of clinical settings. Topics include role and function of supervision in counseling therapy, the effective supervisor, facilitating professional development in those supervised and accountability. Students critique their own methods of supervision. Field placement is required. This is in addition to the lab fee. Prerequisite: permission of instructor. *3 credits.*

CPSY 9090 Thesis Seminar I

Focuses on the completion of a tentative research proposal for the doctoral dissertation, including selection of topic, literature search, investigation of relevant theories, and development of hypotheses relevant to the research proposal. Prerequisites: CPSY 7002, 9001, 9002; successful completion of Part I of Comprehensive exams. *3 credits.*

CPSY 9091 Thesis Seminar II

Focuses on the design of the proposed study. Provides the mechanism for presentation of the dissertation proposal, defense of the proposal and its ultimate acceptance. *3 credits.*

CPSY 9095 Supervised Teaching in Counseling and Psychology

Arrangements to take this course must be made six weeks prior to the semester of intended enrollment. Supervised teaching experience in content area under mentorship of an experienced professor. Study of instructional methods. Students must demonstrate competence in the content area to be taught. *3 credits.*

CPSY 9105 Race and Racial Identity Counseling Lab

The overarching goal of this course is to facilitate each participant's awareness of self with regard to race and racial identity. Using a group process experiential model students will explore their worldviews, assumptions, values and biases in the context of racial identity development. This course will at times become provocative and require students to go beyond surface thoughts/feelings. Anticipated outcomes of this course include: (1) self-awareness, (2) increased sensitivity to issues of race and racial identity, and (3) an increase in skill level in working with clients of different racial groups. Prerequisites: CPSY 6101, 6316, 6316, 8104. *1 credit.*

CPSY 9774 Theories and Techniques of Counseling and Psychotherapy

This course is designed to introduce students to the theories and techniques of counseling and psychotherapy. In addition to the "traditional" psychotherapy, emerging paradigms will be introduced. There will be a particular focus on providing a well-rounded exposure to the theories and techniques of counseling and psychotherapy, including non-Western approaches to

psychotherapy. Moreover, professional and ethical issues in the field of counseling psychotherapy will be discussed. *3 credits.*

CPSY 9781-9782 Internship in Counseling Psychology

Places student interns in a field setting such as a community mental health center, or hospital, rehabilitation or a setting appropriate to the counseling psychologist for one year. Supervision supplied by appropriate agency, staff personnel and faculty. Prerequisite: successful completion of all doctoral coursework and comprehensive examination. Apply one year in advance. *3 credits each.*

CPSY 9788-9789 Internship in Counseling Psychology

Same course description as CPSY 9781-9782. *No credit.*

CPSY 9871 Practicum in Systemic Approaches I

A first-semester doctoral course focused on supervised clinical experience. Emphasis on foundational skills in assessment and treatment from a systemic perspective. *3 credits.*

CPSY 9872 Practicum in Systemic Approaches II

A second-semester doctoral course connected with supervised clinical experience. Focus on use of self in assessment and treatment from a systemic perspective. *3 credits.*

CPSY 9873 Practicum in Systemic Approaches III

Second-year doctoral course taken concurrently with clinical work. Includes assessment and treatment with couples and families, under approved supervision at an appropriate site. Attention is given to cultural, gender and clinical issues as they emerge in cases. *1 credit.*

CPSY 9874 Practicum in Systemic Approaches IV

Second-year doctoral course taken concurrently with clinical work. Includes assessment and treatment with couples and families, under approved supervision at an appropriate site. Attention is given to cultural, gender and clinical issues as they emerge in cases. *1 credit.*

CPSY 9875 Practicum in Systemic Approaches V

Third-year doctoral course taken concurrently with clinical work. Includes assessment and treatment with couples and families, under approved supervision at an appropriate site. Advanced understanding and planning regarding assessment and treatment of systemic, interpersonal, personal and larger-systems dynamics in cases, with particular emphasis on therapist's theoretical perspective. *1 credit.*

CPSY 9876 Practicum in Systemic Approaches VI

Third-year doctoral course taken concurrently with clinical work. Includes assessment and treatment with couples and families, under approved supervision at an appropriate site. Advanced understanding and planning regarding assessment and treatment of systemic, interpersonal, personal and larger-systems dynamics in cases, with particular emphasis on therapist's use of self. *1 credit.*

CPSY 9877-9878 Doctoral Internship

A 6-credit internship with a relational-systemic focus fulfilling the accreditation standards set by the Commission on Accreditation

for Marriage and Family Education under the guidance of an AAMFT Approved Supervisor. *No credit.*

CPSY 9880-9881 Internship in Couple and Family Therapy (Ed.S., M.S.)

A 6-credit, two-semester internship seminar in marriage and family therapy. Requires on-site placement in an agency, clinic, or appropriate treatment facility for a minimum of 450 client-contact hours (at least 50 percent with families and couples) under approved supervision, at least 50 percent live or taped. Prerequisites: completion of all required course work and CPSY 8801. *3 credits.*

CPSY 9882-9883 Doctoral Internship

A 6-credit internship in clinical work including couples and families; a full-time, two-semester, on-site placement in an agency, clinic or appropriate treatment facility that provides students with approved supervision. Placement is approved by the full-time faculty clinical coordinator. The internship should be arranged only after all other curricular requirements have been satisfied. Prerequisites: completion of all course work and comprehensive examinations. *3 credits each.* (For students admitted from 1997, no credit).

CPSY 9884-9885 Doctoral Internship

A 6-credit, yearlong clinical internship including assessment and treatment of families under supervision of a psychologist. Same conditions as CPSY 9882-9883. *No credit.*

CPSY 9886 Pre-doctoral Internship

For students who need to continue an internship experience because of not fully satisfying the requirements for CPSY 9881. *1 credit.*

CPSY 9970-9971 Internship in Clinical Psychology

A full-year, full-time (2,000 hours) internship in an APIC- or APA-approved internship setting, including hospitals and clinics. Ph.D. students must submit applications to program faculty one full year prior to the beginning of the proposed internship. All course work and comprehensive examinations must be successfully completed. Documentation required by program faculty must be submitted. Permission of faculty is required. *3 credits each.*

CPSY 9985 Introduction to Child and Adolescent Psychotherapy

Individual techniques in childhood and adolescent psychotherapy used in conjunction with family and community systems therapy. Experience in family therapy and knowledge of child and adolescent developmental psychology assumed. Exploration of both verbal and nonverbal techniques appropriate for use in early childhood and adolescence. *3 credits.*

CPSY 9986 Practicum in Treating Sexual Disorders

Designed to provide students with faculty supervision in the treatment of sexual dysfunction. Students are required to present case studies and tapes for presentation in a small group seminar. Prerequisites: CPSY 7610, 7611, 6601, 6103 or department permission. *3 credits.*

CPSY 9991-9999 Dissertation Advisement

Students in the dissertation phase must register continuously for this course until completion of the thesis. Students must maintain contact with their mentor and be involved in the research and writing process. *No credit.*

Department of Education Leadership, Management and Policy (Formerly Educational Administration and Supervision)

Kozlowski Hall
(973) 761-9397

Faculty: Achilles; Colella; Collins; Finkelstein; Gutmore; Hu; Mitchel (*Chair*); Stetar; Walker.

Master of Arts

The Department of Educational Administration and Supervision offers graduate courses leading to the degrees Master of Arts in Education and Master of Arts in Human Resource Training and Development, with specializations qualifying graduates to serve in the following capacities:

- School Administrator K-12
- Principal/Supervisor K-12
- Supervisor K-12
- School Business Administrator K-12
- Human Resources Trainers

The department also offers the degrees Educational Specialist (Ed.S.), Doctor of Education (Ed.D.) and Doctor of Philosophy (Ph.D.) for those who wish preparation beyond the master's degree to update skills and competencies, and to meet changing certification requirements.

In general, the department prepares persons to qualify for administrative positions in elementary and secondary schools, higher education, state and federal organizations, and in other public and private schools and institutions.

M.A. for Certification in Education Leadership, Management and Policy

These programs of study may lead to New Jersey state supervisory or administrative certification. In addition, graduates meet requirements for the master of arts degree.

If students are not seeking certification, their programs can be individually tailored to meet their needs and interests by permitting an option of a variety of administration electives.

There are four education specializations: General Supervision (Elementary and Secondary), School of Business Administrator, Principal/Supervisor Certificate, and Chief School Administrator. The M.A. for Principal/Supervisor Certification is also offered online as part of SetonWorldWide.

Admission and Program Requirements

In addition to the general University requirements for the degree, candidates in this program must do the following:

- fulfill matriculation requirements;
- submit recent (within five years) satisfactory scores on the Miller Analogies Test or GRE. This requirement must be satisfied prior to admission;
- give evidence of sound communication and research skills;

- submit evidence of three years of teaching experience and state teacher certification (required for applicants in general supervision certification sequence only);
- successfully complete the departmental comprehensive examination;
- successfully complete a portfolio assessment review; and
- complete the following:
 - 1.) 12 credits in foundation courses such as ELMP 7768, ELMP 8891, EDST 6336, EDST 7310;
 - 2.) 24 credits in concentration courses selected to meet certification requirements, for a total of 36 credits.

Programs are tailored to the needs of individual students and/or to the State Department of Education regulations. Concentration and elective courses are selected in consultation with a department adviser.

M.A. in Supervision Degree Requirements

General Supervision (Elementary and Secondary)

(New Jersey Supervisor Certificate)

Three years of teaching experience are currently required for supervisor.

Required (15 credits)

ELMP 6664	Current Legal Issues of Public Policies at the State and Federal Level
ELMP 6665	Curriculum Development and Evaluation
ELMP 6666	Supervision of Instruction and Evaluation
ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 7776	Curriculum: Design and Engineering
Elective	(6 credits): See your adviser.

Total: 36

M.A. in School Business Administrator Degree Requirements

School Business Administrator

(New Jersey School Business Administrator Certificate)

ELMP 6764	Principles of Public Sector Bargaining
ELMP 6861	School Building Planning and Plant Management
ELMP 7761	Management of Fiscal Affairs in Administration
ELMP 7862	School Business Administration: Skills and Techniques
ELMP 7763	School Law: State of New Jersey/Constitutional Law
ELMP 7769	Computers for School Business and Financial Administrators
ELMP 7971	School Accounting
ELMP 8981	Administrative Internship

(Students who only want certification should consult the department chair for the 27 credit requirement.)

Total: 36

M.A. in Principal/Supervisor Degree Requirements

(New Jersey Principal/Supervisor Certificate)

The master's degree offered by the Department of Education Leadership, Management and Policy addresses the changing New Jersey State Department of Education requirements for certification as principal. Ethical, psychological and research foundations, microcomputers for administrators, and leadership/management assessment and internship are requirements for the master's degree.

Admission requirements for Principal/Supervisor Certificate

In addition to the general University requirements for admission to graduate studies, applicants to this program must present:

- official transcripts reflecting a bachelor's degree from an accredited institution;
- three letters of recommendation;
- Miller Analogies Test score or Graduate Record Exam;
- departmental interview; and
- successfully complete comprehensive examination.

Degree Requirements

Complete 36 credits in the following components:

A. Foundations (12 credits)

Ethical/Psychological Foundations (6 credits)

In this module, students will be exposed to a variety of philosophical and ethical problems as they relate to organizations and on examining human behavior and its impact on organizational functioning.

EDST 6336	Psychological Issues and Implications
EDST 7310	Ethical Issues

Research and Microcomputers for Administrators (6 credits)

In this module, students will focus on classroom and supervisory/management/leadership action research and explore database management systems.

ELMP 7768	Microcomputers for Administrators
ELMP 8891	Directed Research in Administration and Supervision

B. Leadership/Management (12 credits)

ELMP 6601	Organization and Administration of Education
ELMP 6761	Finance in Administration
EDAS 8983	Leadership and Management Assessment
ELECTIVE	(3 credits – selected with adviser assistance)*

C. Curriculum and Supervision (6 credits)

In this module, students will focus on curriculum development and the assessment process as they relate to instructional supervision. These two courses must be taken concurrently.

ELMP 6665	Curriculum Development and Evaluation
ELMP 6666	Supervision of Instruction and Evaluation

D. New Jersey School Law (3 credits)

ELMP 7763	School Law: State of New Jersey/Constitutional Law (3 credits)
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III. Internship

ELMP 8981	Administrative Internship I (prerequisite EDAS 8983)
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Total: 36

Executive M.A. for Principal Certification

The Department of Education Leadership, Management and Policy offers an accelerated cohort master's degree ideal for educators who want to be eligible for principal and/or school supervisor certification. Offered on a convenient weekend and online schedule, this rigorous, 36-credit accelerated program meets the needs of working educators and may be completed in two years. Twenty four credits are offered on weekends and 15 credits are offered online. Classes meet on-campus two weekends

per semester (Friday-in the evening, Saturday and Sunday-during the day) for the Fall, Spring and Summer semesters.

The degree courses include studies in supervision, microcomputers, leadership and management, research procedures, curriculum development and design, finance, organizational theory, ethics and school law.

ELMP 6666	Supervision
ELMP 7768	Microcomputers (*Online Class)
ELMP 7772	Leadership Dynamics
ELMP 8891	Directed Research (*Online Class)
ELMP 6665	Curriculum Development
ELMP 6761	Finance (*Online Class)
ELMP 6601	Organization Administration
ELMP 8981	Internship
ELMP 7776	Curriculum Design
ELMP 7310	Ethical Foundations (*Online Class)
ELMP 8983	Leadership and Management Assessment
ELMP 7763	School Law (*Online Class)

*Note: students who also desire a Supervisor's Certificate should not take any electives and must complete 39 credits including:

ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 7776	Curriculum: Design and Engineering

M.A. in Education Leadership, Management and Policy focusing on Catholic School Leadership

The College of Education and Human Services in collaboration with the Immaculate Conception Seminary School of Theology offers a cohort master's degree for Catholic school educators and administrators through its Department of Education Leadership, Management and Policy. Seton Hall's College of Education and Human Services and the School of Theology are the contemporary embodiments of almost a century and a half's history of educating the educators and ministers of New Jersey and beyond. Seton Hall's Master of Arts in Education Leadership, Management and Policy, with a focus on Catholic school leadership is today's expression of the University's commitment to meeting the needs of Catholic education for the new millennium.

This 36-credit program culminates in the Master of Arts degree as well as satisfying all course requirements for the New Jersey Principal Certification eligibility. It is designed to equip participants for Catholic school leadership with particular focus on the mission of the school and the formation of Catholic educators. Courses draw upon both the secular field of educational and spiritual tradition, with attention to contemporary issues in the life of the Catholic Church and schools. Faculty come from the College of Education and Human Services, Immaculate Conception Seminary School of Theology, and recognized local and national Catholic school leaders.

Seton Hall, as the Catholic university of New Jersey, wants to express its gratitude to those who minister to the Catholic education and spiritual growth of children and adults throughout the Garden State and beyond. In recognition of their efforts the University awards a 50 percent tuition discount to program participants.

The Cohort

The cohort will form a community of learners. Teams of members form and reform, completing projects and assignments

pursued through library and Internet searches while on campus and from home. Sharing of sources through computer conferencing is encouraged.

This cohort remains together for the duration of the program. A collegial study environment allows ample opportunity for professional sharing and cooperative activity. Campus seminars, study teams and computer conferencing among the cohort and faculty further this goal.

Format

Offered on a convenient schedule (weekends and summers), this two-year program meets the needs of working educators. During Fall and Spring semesters, classes meet Friday evenings from 5 p.m. to 10 p.m., Saturdays from 8 a.m. to 6 p.m. and Sundays from 8 a.m. to 1 p.m. In the summer, students benefit from a spiritual retreat and academic experiences. The master's program culminates in a comprehensive examination. In addition, if a student decides to apply for the New Jersey Principal's certification, he/she must adhere to the New Jersey Department of Education rules concerning certificates for principals. Students would be required to pass the Praxis Examination in Educational Leadership and complete an approved Assessment Center experience.

Courses are taught by full-time professors and experienced practitioners who provide the cohort members with a balance of sound theory and practical application.

Admissions Policy

Candidates are admitted after careful screening of application documents by the selection committee and a possible personal interview.

Applicants for admission to this graduate program must take the Miller Analogies Test or the Graduate Record Examination. In addition, applicants need to provide official transcripts of their academic performance in an undergraduate degree program, a resume, a statement of their goals and three letters of recommendation, which must include a letter from the school office of their diocese.

Degree Requirements

Program of Study – Year One

PTHO 6870	Catholic Education – Yesterday, Today and Tomorrow
ELMP 7768	Microcomputers for Administrators
ELMP 6666	Supervision of Instruction
ELMP 8983	Leadership and Management Assessment
ELMP 8891	Directed Research in Administration and Supervision
PTHO 6871	Principal as Spiritual Leader

Program of Study – Year Two

ELMP 6761	Finance in Administration
ELMP 6601	Organization and Administration
ELMP 7763	School Law: State of New Jersey / Constitutional Law
ELMP 6665	Curriculum Development and Evaluation
ELMP 8991	Administrative Internship
PTHO 6872	Catholic Identity, Ethos and Culture

Degree requirements culminate with a Comprehensive Examination and a Portfolio review.

Human Resources Training and Development Program

Course of Study

- **Master of Arts in Human Resources Training and Development (M.A. – HRTD)**
- **New Jersey State Police Graduate Studies Program**
- **Probation Officers and Community Justice Graduate Studies Program**

The Department of Education Leadership, Management and Policy offers a Master of Arts in Human Resources Training and Development designed primarily for members of the New Jersey and New York law enforcement communities. Established more than 20 years ago, the program helps students strengthen their professional knowledge and skills, while increasing their capacity for leadership in their respective law enforcement settings. The program is distinctive in that it allows students to attend classes on-campus as well as classes at law enforcement sites in northern and southern New Jersey. In addition to the master's program, the department also offers a certificate program for students who successfully complete 12 credits in either Human Resources Training and Development or Leadership and Management.

Off-Campus Locations in New Jersey

Buena Vista	New Jersey State Police Troop "A" Headquarters
Bayonne	Bayonne Police Building
Cherry Hill	Camden Catholic High School
Fort Lee	Port Authority of NY and NJ- G.W. Bridge
Jersey City	Port Authority of NY and NJ Police Academy
Mahwah	Bergen County Police and Fire Academy
Newark	Newark International Airport
Parsippany	Morris County Police and Fire Academy
Totowa	New Jersey State Police Troop "B" Headquarters
Sea Girt	New Jersey State Police Training Facility

Candidates for these programs are required to complete 18 foundation credits and 18 concentration credits for a total of 36 credits as follows:

A. Foundation (18 credits)

Required:

EDST 7310	Ethical Foundations of Professional Helping Relationships
HRTD 6501	Introduction to Human Resources Development
HRTD 7100	Selected Topics in Human Resources Training and Development
HRTD 8891	Directed Research
<i>Select two of the following courses:</i>	
HRTD 6502	Adult Learning
HRTD 6503	Design and Evaluation of Human Resources Development Programs
HRTD 6504	Performance Analysis
HRTD 6505	Performance Improvement Strategies
HRTD 6506	Consulting Skills

B. Electives (18 credits)

Select six of the following 24 courses:

EDST 6306	Instructional Design
ELMP 6601	Organization and Administration of Education
ELMP 6664	Current Legal Issues of Public Policies at Local, State and Federal Levels
ELMP 6665	Curriculum Development and Evaluation
ELMP 6666	Supervision of Instruction and Evaluation
ELMP 6667	Personnel Administration
ELMP 6761	Finance in Administration
ELMP 6764	Principles of Public Sector Bargaining
ELMP 6765	Policy Analysis in Administration
ELMP 7100	Selected Topics in Administration
ELMP 7762	Public Relations in Administration
ELMP 7768	Microcomputers for Administrators
ELMP 7770	Electronic Research for Educational Administrators
ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 7773	Organizational Structures and Processes in Administration
ELMP 7776	Curriculum: Design and Engineering
ELMP 8801	Interdisciplinary Studies for Administrators: Issues and Theories
ELMP 8892	Independent Study in Administration
ELMP 8983	Leadership and Management Assessment
EDST 6323	Community Relations
EDST 6324	Human Relations
EDST 6325	Psychological Foundations of Education
EDST 6336	Psychological Issues and Implications
EDST 6337	Western Tradition in Society

Certificate in Human Resources Training and Development (12 credits)

Select four of the following six courses:

HRTD 6501	Introduction to Human Resources Development
HRTD 6502	Adult Learning
HRTD 6503	Design and Evaluation of Human Resources Development Programs
HRTD 6504	Performance Analysis
HRTD 6505	Performance Improvement Strategies
HRTD 6506	Consulting Skills

Certificate in Leadership and Management (12 credits)

Required:

ELMP 6667	Personnel Administration
ELMP 7762	Public Relations in Administration
ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 8983	Leadership and Management Assessment

(Additional courses from the College of Education and Human Services may be selected with the approval of your adviser.)

Degree Requirements

Students admitted to the Graduate Studies Program must satisfy all University, College and program criteria. These criteria include earning 36 credits in foundation and concentration courses while maintaining a graduate academic record of 3.0. Up to 6 graduate credits earned recently at another accredited college or university may be accepted in partial satisfaction of graduate degree

requirements. Students enrolled in the certificate program are classified as non-matriculated students and may formally apply for admission at the completion of 12 credits.

Educational Specialist Degree

The department offers the Educational Specialist (Ed.S.) degree in several areas of concentration. The program of study may be arranged to lead to a provisional New Jersey state supervisory or administrative certification.

Each area of concentration consists of basic components for a required minimum of 36 credits: interdisciplinary studies; concentration studies; administrative internship or workshop for school administrators; statistics; and a culminating experience.

Admission

Admission requirements for the Ed.S. are as follows:

- master's degree in an appropriate field from an accredited college or university;
- public school teaching certification, if appropriate;
- submission of recent (within five years) Miller Analogies Test score or Graduate Record Exam;
- statement of professional goals;
- superior academic record;
- three letters of recommendation from graduate faculty and professional associates in administrative and/or supervisory roles;
- interview with the admission committee; and
- at least one course in research on the graduate level.

Ed.S. Degree Requirements

Interdepartmental/Interdisciplinary Studies:

(Select one course in this group for 3 credits)

EDST 9301	History of Education in America
EDST 9302	Psychological Domain of Education
EDST 9304	Philosophical Perspective in Society

Concentration Studies

With advisement, select 30 credits from the courses listed under Sections A, B and/or C:

Section A (6 credits)

Required courses

ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 7773	Organizational Structures and Processes in Administration

Section B

Select a minimum of 15 credits

ELMP 6764	Principles of Public Sector Bargaining
ELMP 6861	School Building Planning and Plant Management
ELMP 7761	Management of Fiscal Affairs in Administration
ELMP 7762	Public Relations in Administration
ELMP 7763	School Law: State of New Jersey / Constitutional Law
ELMP 7765	Policy Analysis in Administration: Political and Economic Aspects
ELMP 7767	Advanced Study in Personnel Administration
ELMP 7768	Microcomputers for Administrators
ELMP 7769	Computers for School Business and Financial Administrators

ELMP 7770	Cybernetic Research for Administrators
ELMP 7771	Organizational Decision Making
ELMP 7774	Comparative Study of International Educational Systems
ELMP 7776	Curriculum: Design and Engineering
ELMP 7862	School Business Administration: Skills and Techniques
ELMP 7971	School Accounting I
ELMP 8984	Leadership Institute I: Workshop for Administrators and Supervisors
ELMP 8985	Leadership Institute II: Workshop for Administrators and Supervisors

(With approval of the department chair or advisers, students may take graduate courses – up to a maximum of 9 credits – in the College of Arts and Sciences, Stillman School, and other departments in the College of Education and Human Services.)

Section C

Select 3 or 6 credits

ELMP 8981	Administrative Internship I
ELMP 8982	Administrative Internship II

An administrative internship is required of students seeking an administrative certificate.

Section D (3 credits)

Required

ELMP 6005	Statistical Methods
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Culminating Experience (3 credits)

Required

ELMP 9999	Culminating Research Seminar
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Candidates for the Ed.S. degree complete a project under advisement which, is reviewed by a faculty panel. The project should reflect the educational and professional experiences provided in the Ed.S. program.

Minimum Credits: 36

Doctor of Education

The department offers the Doctor of Education (Ed.D.) in several areas of concentration, including general administration, school business administration, administration of higher education and a newly established minor track in college teaching.

The doctoral degree is designed to provide administrative and supervisory skills for potential and practicing administrators in elementary, secondary, higher education and New Jersey and other State Department of Education settings. The program focuses on training informed leaders through the utilization of scholarly research and of theoretical models, which are applied to experiential situations.

Admission

All application materials must be received by February 1 for the Fall Semester and by October 1 for the Spring Semester.

The requirements include:

- a master's degree in an appropriate field;
- a superior academic record (two official transcripts of all undergraduate and graduate coursework required);
- recent (within five years) scores on the Miller Analogies Test or Graduate Record Exam, which indicate the potential for success in doctoral-level work;
- resume of professional background;

- statement of personal and professional goals, with an indication of the specialization to be pursued;
- three letters of recommendation regarding one’s potential for doctoral study; and
- a personal interview.

**Doctor of Education (Ed.D)
Matriculation – (New Procedures) K-12**

Beginning with the Spring 2000 Semester, doctoral students will be considered for matriculation after completing 15 core course credits and by demonstrating competence in the core by successfully passing a qualifying written examination. The core courses are:

ELMP 6005	Statistical Methods
ELMP 7765	Policy Analysis in Administration
ELMP 7773	Organizational Structures and Processes
ELMP 7776	Curriculum: Design and Engineering

Choose one of the following:

ELMP 7770	Cybernetic Research for Administrators or
ELMP 8890	Survey Research or
ELMP 8891	Directed Research or
ELMP 8986	Qualitative Research

Students are prohibited from taking additional credits until successfully passing the qualifying written examination and will have only two opportunities to pass the qualifying written examination.

**Matriculation – (New Procedures) Higher Education
See Ph.D. Below**

Advancement to Candidacy (Comprehensive)

In order to advance to candidacy, doctoral students must pass a comprehensive performance-based assessment upon completion of most of the required coursework. The doctoral student, with departmental approval, will determine the form the assessment will take, i.e., portfolio assessment, case studies, written examination, etc. The more authentic, performance-based assessment will tie the knowledge and understanding, what the student knows; with performance, what the student can do. Upon successful completion of the comprehensive performance-based assessment, the student will be advanced to candidacy.

Completion Requirements

These requirements include:

- admission to the program;
- achievement of matriculation;
- advancement to candidacy;
- successful completion of a minimum of 90 graduate credits in consultation with one’s adviser. 45 of these credits must be taken at Seton Hall University, following admission to the program;
- successful completion of an internship experience, where required;
- successful completion of a portfolio review; and
- successful oral defense of a doctoral-level dissertation.

Executive Ed.D. in Education Leadership, Management and Policy (K-12)

The Department of Education Leadership, Management and Policy offers an accelerated cohort group doctoral (Ed.D.) degree for certified and practicing school administrators. The degree modules include studies in organizational theory, policy analysis,

computer technology, research procedures, leadership strategies, curriculum management, leadership institutes, fiscal affairs, school law, dissertation seminars and mentoring. The modules are offered on weekends (Friday – in the evening; Saturday and Sunday – during the day) for the Fall and Spring semesters, and days and evenings during the summer.

This accelerated degree program may be completed in two years. Under certain circumstances and with prior approval, thesis completion may extend to a third year.

Doctor of Education Program in Education Leadership, Management and Policy

I. Foundations/Interdisciplinary Studies (3 credits)

Select one:

EDST 9301	The History of Education in America
or	
EDST 9302	Social Psychological Domain of Education
or	
EDST 9304	Philosophic Perspective in School and Society

II. Professional Core: Elementary/Secondary/Higher Education Administration (27 credits)

ELMP 6764	Principles of Public Sector Bargaining
ELMP 6861	School Building Planning and Plant Management
ELMP 7761	Management of Fiscal Affairs in Administration
ELMP 7762	Public Relations in Administration
ELMP 7763	School Law: State of New Jersey/Constitutional Law
ELMP 7765	Policy Analysis in Administration: Political and Economic Aspects
ELMP 7767	Advanced Study in Personnel Administration
ELMP 7768	Microcomputers for Administrators
ELMP 7769	Computers for School Business and Financial Administrators
ELMP 7770	Cybernetic Research for Administrators
ELMP 7771	Organizational Decision Making
ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior
ELMP 7773	Organizational Structures and Processes in Administration
ELMP 7774	Comparative Study of International Educational Systems
ELMP 7776	Curriculum: Design and Engineering
ELMP 7862	School Business Administration: Skills and Techniques
ELMP 7971	School Accounting
ELMP 8801	Interdisciplinary Studies for Administrators: Issues and Theories
ELMP 8981-8982	Administrative Internship Parts I - II (required)
ELMP 8983	Leadership and Management Assessment
ELMP 8984	Leadership Institute I: Workshop for Administrators and Supervisors
ELMP 8985	Leadership Institute II: Workshop for Administrators and Supervisors
ELMP 9993	Organization and Governance of Higher Education (required: higher education students)
ELMP 9994	Faculty Personnel Policies of Higher Education
ELMP 9995	Financial Administration of Higher Education Institutions

148 Doctor of Philosophy

ELMP 9996	Organization and Administration of Junior Community Colleges	CPSY 6316	Group Counseling	3
ELMP 9997	Historical Development of American Higher Education (required: higher education students)	EDST 6306	Instructional Design (Prerequisite permission of instructor or EDST 6307)	3
ELMP 9998	Curriculum and Instruction in Higher Education	EDST 6307	Integrating Technology and Education	3
		EDST *	Performance-Based Assessment	3

III. Research Requirement (minimum 15 credits)

CPSY 9002	Seminar in Applied Multivariate Statistics
ELMP 6005	Statistical Methods
ELMP 8616	Intermediate Statistical Methods
ELMP 8891	Directed Research in Administration and Supervision
ELMP 8892	Independent Study in Administration
ELMP 8986	Qualitative Research Seminar in Administration
ELMP 8987	Dissertation Seminar in Administration I
ELMP 8988	Dissertation Seminar in Administration II
ELMP 9979	Dissertation Seminar in Higher Education I
ELMP 9980	Dissertation Seminar in Higher Education II

Electives (6 credits)

Representative examples may include:

CPSY 6302	Orientation to Counseling: Theory and Observation	3
ELMP 7772	Leadership Dynamics: Analysis of Supervisory Behavior	3
ELMP 7773	Organizational Structures and Processes in Administration	3
EDST *	Distance Learning Techniques	3
EDST *	Diversity in Teaching and Learning (New Course)	3

** Courses pending EPC approval*

Ed.D. (Minor) Track for College Teaching

A minor track in college teaching is available within the Ed.D. Program in Higher Education. This track draws on the coursework in the Departments of Education Leadership, Management and Policy, Educational Studies, and Professional Psychology and Family Therapy.

The program is intended to provide an in-depth orientation to college students and college teaching with a particular emphasis on instructional design and implementation for practicing or prospective college teachers.

Overall Design: In addition to matriculation requirements for the Ed.D. in Higher Education, the program requires a minimum of 24 credits distributed over the three sponsoring departments as follows:

Theories of Learning, Curriculum, and Student Development (6 credits)

Course(s)		Credits
CPSY 6104	Theories of Cognition	3
CPSY 6505	Theories of Learning and Behavior Modification	3
CPSY 7104	Social Cognition and Human Learning	3
ELMP 9997	Curriculum and Instruction in Higher Education	3
ELMP *	The American College Student (New Course)	3

Ethics and Values (3 credits)

EDST 7310	Ethical Foundations of Professional Helping Relationships	3
EDST 7312	Current Issues in School and Society	3
EDST 9504	Problems and Issues in Postsecondary Teaching	3
EDST *	Social Issues in Technology: Ethical and Legal Values	3

Skill Development (9 credits)

Assessment, Counseling, Instructional Design and Instructional Technology

CPSY 6000	Group Dynamics	3
CPSY 6003	Counseling Skills	3

Doctor of Philosophy

The Ph.D. in Higher Education Leadership, Management and Policy is designed to provide students with a broad understanding of the interrelated societal and organizational dimensions of higher education, and prepare students for senior administrative and policy development and management posts in colleges and universities, government agencies, foundations, as well as careers in teaching and research. This program offers students the opportunity to focus in areas, such as administration and policy analysis, international and comparative higher education, organizational culture and change and the academic profession. Degree requirements for the Ph.D. in Higher Education Leadership, Management and Policy, which is a research-oriented degree, differ from those required by the Ed.D. in Higher Education Leadership, Management and Policy, which is a practice-oriented degree. A student in the Ph.D. program will be expected to prepare a dissertation that represents a significant contribution to knowledge; the student also must orally present the dissertation in a scholarly manner, which will reveal an ability on the part of the candidate to do independent research of high-quality, as well as indicate an expertise in using appropriate research techniques.

Admission

All application materials must be received by February 1 for the Fall Semester and October 1 for the Spring Semester. The requirements also include:

- a master's degree in appropriate field;
- a superior academic record (two official transcripts of all undergraduate and graduate course work required);
- recent (within five years) scores on the Miller Analogies Test, or Graduate Record Exam, which indicate the potential for success in doctoral-level work;
- resume of professional background
- statement of personal and professional goals;
- three letters of recommendation regarding one's potential for doctoral study; and
- a personal interview.

Doctoral of Philosophy Program in Higher Education Leadership, Management and Policy

Matriculation – (New Procedures)

Beginning with the Spring 2000 semester, doctoral students will be considered for matriculation after completing 18 core course credits and by demonstrating competence in the core courses by successfully passing a qualifying written examination. The core courses are:

ELMP 6005	Statistical Methods
ELMP 6101	Introduction to Higher Education as a Field of Study
ELMP 7765	Policy Analysis in Administration
ELMP 8891	Directed Research
ELMP 9993	Organization and Governance in Higher Education
ELMP 9997	Historical Development of American Education

Students are prohibited from taking additional credits until successfully passing the qualifying written examination and will have only two opportunities to pass the qualifying written examination.

Advancement to Candidacy

In order to advance to candidacy, doctoral students must pass a comprehensive performance-based assessment upon completion of most of the required coursework. The doctoral student, with departmental approval, will determine the form the assessment will take, i.e., portfolio assessment, case studies, written examination, etc. The more authentic, performance-based assessment will tie the knowledge and understanding, what the student knows; with performance, what the student can do. Upon successful completion of the comprehensive performance-based assessment, the student will be advanced to candidacy.

Completion Requirements

These requirements include:

- admission to the program;
- achievement of matriculation;
- advancement to candidacy;
- successful completion of a minimum of 90 graduate credits in consultation with an adviser. 45 of these credits must be taken at Seton Hall University following admission to the program; and
- successful oral defense of doctoral-level dissertation.

Doctor of Philosophy Program in Higher Education Leadership, Management and Policy

I. Foundations/Interdisciplinary Studies (3 credits)

Select one:

EDST 9301	The History of Education in America
EDST 9302	Social Psychological Domain of Education
EDST 9304	Philosophic Perspective in School and Society

II. Professional Core (33 credits)

Required courses:

ELMP 7765	Policy Analysis in Administration: Political and Economic Aspects
ELMP 7774	Comparative Study of International Educational Systems

ELMP 9993	Organization and Governance of Higher Education
ELMP 9994	Faculty Personnel Policies in Higher Education
ELMP 9995	Financial Administration of Higher Education Institutions
ELMP 9997	Historical Development of American Higher Education
ELMP 9998	Curriculum and Instruction in Higher Education

12 additional credits are determined under advisement.

III. Research Requirement (18 credits)

Required courses:

ELMP 6005	Statistical Methods
ELMP 8616	Intermediate Statistical Methods
ELMP 8891	Directed Research in Administration and Supervision
ELMP 9979	Dissertation Seminar in Higher Education I
ELMP 9980	Dissertation Seminar in Higher Education II

3 additional credits are determined under advisement.

Skills and Competencies That Constitute Outcomes of the Doctoral Programs in Higher Education Leadership, Management and Policy

Knowledge:

- (1) familiarity with basic trends in American higher education enrollment, staffing, degree production, institutional types, financial resources, etc., since World War II;
- (2) familiarity with the historical antecedents of contemporary higher education forms and practices;
- (3) familiarity with how American forms and practices compare with those of other nations;
- (4) a broad familiarity with current policy issues in American higher education (i.e. the capacity to "list" the ten most critical policy issues and the capacity to describe current debate on those issues);
- (5) familiarity with the classics of higher education research and theory in the basic areas of curriculum and instruction, history, organization and governance, faculty and student issues, government policy and finance issues, and comparative higher education (reading list to be distributed);
- (6) familiarity with basic data resources related to higher education, e.g. federal databases, including HEGIS/IPEDS, NCES surveys, etc., major independent data sources, including Carnegie Foundation for the Advancement of Teaching, the National Research Council, etc;
- (7) familiarity with the non-campus organizational matrix of American higher education, including the increasing number of membership and advocacy organizations representing various constituencies, including, e.g., ACE, AAHE, AGB, AACU, AAU, etc.;
- (8) familiarity with basic methodology and method of social science research, including the process of finding and adequately describing research problems, statistical estimation and inference, hypothesis testing and basic research reporting;
- (9) familiarity with the basic techniques of qualitative research and survey research;
- (10) familiarity with basic organization and leadership theory;
- (11) familiarity with theory and research on *reflective professional practice*, presented in the work of Schon and Argyris
- (12) familiarity with basic learning theory and pedagogy (at the individual and organizational level);
- (13) familiarity with ethical issues in organizational life and frameworks for the analysis of ethical dilemmas in practice.

Skills/Competencies:

- (1) demonstrate basic skills in performing literature reviews, including (a) capacity to identify goals and objectives for defining parameters of review; and (b) capability of integrating the results of previous research studies in a given topical area via analysis of patterns in the findings by methodological characteristics of the studies;
- (2) demonstrate skills in defining a policy issue (a “should” question), summarizing pro and con arguments and taking a “reasoned” position;
- (3) demonstrate skills in defining and describing a research problem, and using available data to define the scope and magnitude of the problem in the state, national or international higher education context;
- (4) demonstrate skills in applying social science theories and concepts to the analysis of research problems in higher education;
- (5) demonstrate capacity to assess the strengths and weaknesses of individual research studies, including conceptual frameworks, use of theory and previous research, sampling, research methods, analytical procedures and generalizability;
- (6) demonstrate capacity to design tables, charts and other figures that display data in the most cogent way possible;
- (7) demonstrate the capacity to identify and present evidence in writing that supports a cogent line or argument;
- (8) demonstrate skills in the quantitative and qualitative analysis of policy alternatives at the national, state and institutional level;
- (9) demonstrate skill in the design and implementation of instruction;
- (10) demonstrate skill in the design of professional development experiences for administrators and/or faculty;
- (11) demonstrate skill in the public presentation of research results;
- (12) demonstrate skill in the public presentation of a position paper;
- (13) demonstrate skill in the application of information technology to instruction; and
- (14) demonstrate skill in the application of information technology to research and data analysis.

Course Descriptions

ELMP 6005 Statistical Methods

Introduction to statistical methods needed for basic data analysis in educational administration. Included frequency distribution, graphic presentation of data, measures of central tendency, variability and linear regression/correlation. (Formerly CPSY 6004). *3 credits.*

ELMP 6101 Introduction to Higher Education as a Field of Study

Designed for newly admitted students to the doctoral program in higher education administration or students who are considering applying to the program. Seminar has two principal goals: (1) to introduce students to higher education as a field of study, and (2) to address issues and concerns that arise as part of the students’ doctoral experience. *3 credits.*

ELMP 6102 The American College Student

Provides an overview of the literature and research on American college students. After reviewing the literature on student transition to college, student collegiate experiences, student development in college, and college impact on students, focus is on effective institutional policies and practices in enhancing

positive student college experiences, learning and other desirable outcomes. *3 credits.*

ELMP 6601 Organization and Administration of Education

Comprehensive principles, historical background and future perspectives. Innovative curricula, individualization and other new organizational patterns; general and clinical supervisory techniques and practices; human, technological and conceptual skills for effective school administrators; leadership patterns and pitfalls; generalist’s view of school finances, school law, school business administration; human and public relations. *3 credits.*

ELMP 6664 Current Legal Issues of Public Policies at Local, State and Federal Level

Current trends in public bargaining; a review of discrimination for reasons of sex, age, disabilities and more; current issues in funding of public education; teacher, student and parental rights; Sunshine Law issues; insurance issues and other current legal issues in publication. *3 credits.*

ELMP 6665 Curriculum Development and Evaluation

Evolving concepts of the curriculum. Philosophy of curriculum development, principles and procedures, essential tools, preparation, approaches, direct and indirect influences. Survey of current practices and trends. *3 credits.*

ELMP 6666 Supervision of Instruction and Evaluation

Theories, principles and practices that determine effectiveness, efficiency and humane supervision at all levels of education. Emphasis on clinical supervision, general supervision, new research in the field and better techniques for observation, evaluation, and in-service programs. Role play, case study, lecture with large and small group interaction employed to promote improved supervision. *3 credits.*

ELMP 6667 Personnel Administration

Current perspectives of the personnel administration function, including recruitment, selection, job orientation, appraisal and development processes. Personnel security matters covering employee and administrative compensation; collective bargaining and job continuity extended from the initial selection and development aspects. *3 credits.*

ELMP 6761 Finance in Administration

Development of problems of school finance in the United States: sources of revenue, expenditures and indebtedness, fiscal problems, existing and proposed plans for school support. *3 credits.*

ELMP 6764 Principles of Public Sector Bargaining

Introduction to the phenomenon of collective bargaining in the public sector. Broad overview of the fundamentals of the process. *3 credits.*

ELMP 6765 Policy Analysis in Administration

Emphasis on the process of educational policy analysis, decision making and implementation. Analysis of alternative explanations of the process of decision making at the local, state and federal levels. Political and economic theory; other core areas incorporated into a multidisciplinary approach to policy analysis. *3 credits.*

ELMP 6861 School Building and Planning and Plant Management

School plant planning for new or modernization of existing facilities. Emphasis on selection of school site, architect, plans and

specifications; award of contract; supervision of construction; building maintenance; public relations; financing; and instructional influence on construction. *3 credits.*

ELMP 7100 Seminar: Selected Topics in Administration

Provides students and faculty with the opportunity to work collaboratively in studying in-depth a current or special topic in the area of administration or human resources training and development. *3 credits.*

ELMP 7761 Management of Fiscal Affairs in Administration

Review of fiscal affairs pertaining to education on a national, state and local level. Problems dealing with sources of revenue, expenditures, indebtedness and existing and proposed plans for school support. *3 credits.*

ELMP 7762 Public Relations in Administration

Analysis and understanding through research and study of the agencies, the varied forces and diverse institutions in the community affecting the educational program. Evaluation of trends in public relations in regard to educational administration and supervision. *3 credits.*

ELMP 7763 School Law: State of New Jersey/Constitutional Law

Designed to help teachers and school administrators understand their legal status in the school. School laws of New Jersey. Emphasis on legislation and school decisions regarding contemporary problems, such as students' rights, teachers' rights, academic freedom. *3 credits.*

ELMP 7765 Policy Analysis in Administration: Political and Economic Aspects

Examination of the interaction between political/economic theory and the educational policy-making arena. Focus on the process of policy analysis and formulation with antecedent attention to political and economic theory. Various decision making models studied as a means of offering alternative explanations to local, state and federal policy decisions. *3 credits.*

ELMP 7766 Administration of Bilingual Education: Policy and Practice

Examination of the administration of bilingual education movements in the United States, including an in-depth analysis of the legal and sociopolitical impact. Critical analysis of the research and program design in the administration of bilingual education. *3 credits.*

ELMP 7767 Advanced Study in Personnel Administration

Total systems approach to the personnel administration function incorporating recruitment and selection techniques; employee orientation, appraisal and development considerations; job security matters such as compensation, collective bargaining and employment continuity. Concentrated study in one topical area as well as a broad spectrum of personnel functions. *3 credits.*

ELMP 7768 Microcomputers for Administrators

Introduction to use of microcomputers in school administration. Topics include computer literacy, computers in the curriculum, managing instruction, budgeting, scheduling, data base management systems and word processing. Opportunities to work directly with different programs in campus microcomputer labs. *3 credits.*

ELMP 7769 Computers for School Business and Financial Administrators

Intended for those who will serve in the office of school business administrator. Mainframe applications that school districts arrange contractually, on-site and network minicomputer-assisted accounting and payroll functions, bank-assisted payroll services, and the many business operations that are increasingly processed with microcomputers, including database and spreadsheet programs. *3 credits.*

ELMP 7770 Cybernetic Research for Educational Administrators

This is a cybernetics-based research course that combines research with currently available technology for educational decision-makers. Topics and hands-on activities will include educational administration-specific applications: databases, data mining, Internet resources, search engines, research design issues, and microcomputer software programs. Class will have multiple opportunities to work directly with these applications using campus microcomputer labs. Prerequisite: ELMP 7768 or 7769 or permission of professor. *3 credits.*

ELMP 7771 Organizational Decision Making

For students enrolled in the K-12 doctoral program who have completed all the requirements for certification as a principal and are interested in enhancing their leadership and management skills through intensive research and analysis of decision making theory and practice. (Not to be substituted for courses which have been approved for certification purposes). The class will emphasize computer simulations and practical applications of theoretical frames to educational issues. *3 credits.*

ELMP 7772 Leadership Dynamics: Analysis of Supervisory Behavior

Leadership traits, strategies and techniques used by administrators and supervisors to implement changes in our system of observation and evaluation. Theories, research results, clinical supervisory techniques and methods for humanely observing teaching practice, monitoring supervisory performance and evaluating in-service, internships and field experiences to improve instruction and reduce grievances. *3 credits.*

ELMP 7773 Organizational Structures and Processes in Administration

Insights into organizational behavior including classical theory, social system theory, open system theory, theory Z and situational leadership theory. Application of these theories in educational settings. *3 credits.*

ELMP 7774 Comparative Study of International Educational Systems

Inquiry into contemporary educational theory and practice, focusing on international similarities, differences and purposes in educational systems. *3 credits.*

ELMP 7776 Curriculum: Design and Engineering

Advanced course designed to provide program-engineering capability for elementary, secondary, and central office managers. Specific strategies for recasting curricula in light of the societal demands for accountability-based education. Innovative organizational patterns that foster learning, instructional interventions, individualization, personalization and mastery learning. *3 credits.*

ELMP 7862 School Business Administration: Skills and Techniques

Business management including office organization, budget planning, accounting, insurance, debt service, transportation and other problems related to the operation of schools. *3 credits.*

ELMP 7971 School Accounting

Current practices, including advanced budgeting, P.P.B.S., operational planning systems, maintenance of legal records, state and federal regulations, and auditing procedures. *3 credits.*

ELMP 8616 Intermediate Statistical Methods

Extension of correlation techniques including multiple correlation and regression, exploration of various complex analysis of variance procedures. Emphasis on application to problems faced by researchers in educational administration. (Formerly CPSY 8616.) Prerequisite: ELMP 6005 or CPSY 6004. *3 credits.*

ELMP 8801 Interdisciplinary Studies for Administrators: Issues and Theories

Need for general educational backgrounds of present and future educational administrators is emphasized. Insights into the arts, economics, sociology and futures with implications for educational administration and supervision. *3 credits.*

ELMP 8890 Survey Research

Systematic introduction to the logic and skills of survey research. Various aspects of survey designs and analysis are studied, to include sampling questionnaire design and construction, scale construction, interviewing techniques and analytical strategies of survey data. *3 credits.*

ELMP 8891 Directed Research in Administration and Supervision

Presents research methodology and procedures in educational administration and supervision. Students develop a research project with the guidance of the professor. *3 credits.*

ELMP 8892 Independent Study in Administration

For doctoral students who wish to study selected topics in depth and conduct research. Approval by chair and dean is necessary. *3 credits.*

ELMP 8981-8982 Administrative Internship

Administrative internship K-12 or higher education with permission of administrator and Department of Education administration and supervision chair. *Each internship: 3 credits.*

ELMP 8983 Leadership and Management Assessment

Diagnostic and prescriptive teaching model covering 12 critical skill areas of leadership and management. *3 credits.*

ELMP 8984-8985 Leadership Institute for Administrators and Supervisors

Workshops for all levels of administration. Through techniques including case studies, role play, debate, panel discussions, audiovisual presentations, and group interactions, expert consultants involve participants in the use of effective methods to solve contemporary problems of leadership. Innovative approaches to curriculum design, supervisory practice, business and financial problems, administrative relationships with the board, the general public, the government and outside agencies. *3 credits each.*

ELMP 8986 Qualitative Research Seminar in Administration

For doctoral students who wish to review the content, techniques and findings of research in administration and supervision with emphasis on evaluative studies in the field. *3 credits.*

ELMP 8987-8988 Dissertation Seminar in Administration

Seminar for doctoral candidates for the purpose of developing an approved dissertation proposal. *3 credits each semester.*

ELMP 9979-9980 Dissertation Seminar in Administration of Higher Education

Seminar for doctoral candidates for the purpose of developing an approved dissertation proposal. *3 credits each.*

ELMP 9981-9992 Dissertation Advisement

Doctoral students who have advanced to candidacy and completed Dissertation Seminars must register continuously for advancement until the dissertation is completed. Credit may be used toward degree upon application to department.

ELMP 9993 Organization and Governance of Higher Education

Discussion of administrative philosophies and approaches in higher education settings, highlighting the roles of each office, the philosophical questions and options available to institutions; the policy issues that need to be addressed by university administrators. *3 credits.*

ELMP 9994 Faculty Personnel Policies of Higher Education

Personnel problems in colleges, including faculty and staff evaluation, recruitment, affirmative action, promotion, tenure, development and leadership management. *3 credits.*

ELMP 9995 Financial Administration of Higher Education Institutions Business principles and their importance for decision making in higher education including budgeting, financial reporting and planning. *3 credits.*

ELMP 9996 Organization and Administration of Junior/Community Colleges

Topics include organizational and administrative problems, curriculum instruction, student personnel programs and their relationship to the community. *3 credits.*

ELMP 9997 Historical Development of American Higher Education

Study focusing on the period from 1865-1915, when many of the institutions and practices of contemporary higher education were shaped. Secondary sources extensively supplemented by readings of primary documents. Surveys of the national scene supplemented by case studies at specific institutions. *3 credits.*

ELMP 9998 Curriculum and Instruction in Higher Education

Current status of the undergraduate curriculum and approaches to instruction in American colleges and universities, including reform efforts. Principal factors/forces shaping undergraduate curriculum and instruction including epistemology and the sociology of knowledge; psychology and developmental status/needs of the contemporary college student, both traditional and nontraditional; sociocultural, economic and political factors. *3 credits.*

ELMP 9999 Culminating Research Seminar

3 credits.

HRTD 6501 Introduction to Human Resources Development

Key concepts and principles of human resources training and development field. Topics might include the foundation and evolution of HRD, the ethical and philosophical issues associated with human resources training and development and the role of the HRD professional in the organization. *3 credits.*

HRTD 6502 Adult Learning for Human Resources Development Professionals

Theories of adult development and learning with emphasis on implications for design and delivery of human resource development programs in organizational environments. *3 credits.*

HRTD 6503 Design and Evaluation of Human Resources Development Programs

Theory and practice of program design and evaluation applied to the organization. Special attention to integration of design and evaluation processes, evaluation strategies, measuring results, assessing return on training investment and the role of design and evaluation in securing management support for the HRTD function. *3 credits.*

HRTD 6504 Performance Analysis

The knowledge and skills basic to needs assessment, organization, person and task analysis. Data collection methods such as questionnaires, interviews and observation scales are covered, as well as data analysis and selection of appropriate HRTD interventions. *3 credits.*

HRTD 6505 Performance Improvement Strategies

Instruction is one means of improving human performance. When performance problems have causes other than skills and knowledge deficiencies, other means are necessary. Students in this course will learn how and when to use non-training and reward systems, work place design and job design. Students should apply design improvements applications of their choice. *3 credits.*

HRTD 6506 Consulting Skills

Enables students to function responsibly as new or mid-level practitioners. Includes an examination of the consulting process including an overview of consultant-customer behaviors and dilemmas. Using theory and field experience students will learn how to apply consulting skills and strategies to their own work situations. *3 credits.*

HRTD 7100 Seminar: Selected Topics in Human Resources Training and Development

Provides students and faculty with the opportunity to work collaboratively in studying in-depth a current or special topic in the area of administration or human resources training and development. *3 credits.*

Department of Educational Studies

Kozlowski Hall
(973) 761-9394

Faculty: Cobarrubias; Daly; D'Ambrosio; Devlin-Scherer; Martinelli; May; McCartan (*Chair*); Mitchel; Mueller; Nestor; Peskin; Raimo; Sheppard; Skeelee; Zaccone-Tzannetakakis; Zinicola.

The Department of Educational Studies offers graduate courses in the following areas:

- Elementary Education/Early Childhood Education
- Professional Development Program
- Secondary Education
- Bilingual/Bicultural Education
- Special Education

Specific requirements for admission, the objectives of each program, courses in each program relative to the degree sought and other regulations appropriate to individual programs are described under the heading for each area.

Seton Hall University's average pass rate on the Praxis exams is 100 percent, The New Jersey statewide average pass rate is 97 percent.

Elementary Education and Early Childhood

Faculty: D'Ambrosio; Mitchel; Mueller; Raimo (*Director*); Zinicola.

The program in Elementary Education at the graduate level involves a 33-credit sequence that leads towards the Master of Arts in Education and certification as an elementary classroom teacher in the State of New Jersey. For an additional 6 credits, the candidate may also earn eligibility for early childhood certification in the State of New Jersey.*

The sequence of courses is based upon the standards of the Association for Childhood Education International, the National Association for the Education of Young Children, the Boyer topics and the New Jersey Core Curriculum Content Standards. As such the program offers a high quality education that reflects best teaching practices as defined by the leading professional associations in the field. The hallmarks of the program include concentrated study in the areas of language arts and methods of teaching science, math and social studies.

Admission

In addition to the general University requirements for admission to graduate studies, the applicant must:

- submit two copies of all transcripts;
- show evidence of having received a baccalaureate degree with a 2.75 cumulative average;*
- demonstrate academic achievement indicative of aptitude for graduate study;
- show evidence of appropriate liberal arts background;
- submit a passing score on appropriate Praxis test;
- be prepared to be interviewed by faculty if an interview is deemed necessary; and
- submit a completed application form and required application fee.

**Note: The College of Education and Human Services will adhere to state regulations as they change in regard to minimum standards.*

Portfolio and Liberal Arts Requirements

As part of the admissions process and upon entry into the program, the candidates liberal arts background will be reviewed

and compared to the standards of the Association for Childhood Education International. A sequence of activities may be recommended for candidates whose liberal arts background does not meet the ACEI standards in all categories. These activities may include workshops, seminars, independent study, additional course work or on-line activities. All candidates will develop a portfolio that will demonstrate how their past liberal arts study meets the ACEI standards, the results of any additionally required activities, and on-going interest in the liberal arts areas. The portfolio will be monitored as the candidate progresses through the program and must be presented to the faculty as a culminating activity that is required for graduation. The portfolio replaces comprehensive exam and thesis requirements.

Academic Standards

Students must maintain at least a "B" in all courses. Students who receive a "C" will be referred to the Academic Standards Committee of the department, which will recommend appropriate action to the chair.

Student Teaching

Students seeking New Jersey state teacher certification must complete a full semester of student teaching. An application fee for student teaching is required. The candidate should consult with program advisers for specific requirements.

Students must apply in advance for this experience, at which time they will receive a comprehensive review of their academic and experiential record. Applications for field experience are due March 1 for fall and October 1 for spring.

The application fee for student teaching is \$100. Completed applications must be received by the associate dean for student community and academic affairs before December 1 for assignment during the following Fall Semester, and by April 1 for assignment during the following Spring Semester.

Eligibility for Certification

Upon completion of the Masters program in elementary education, students are eligible for recommendation to the state of New Jersey for the certificate of eligibility with advanced standing as an elementary classroom teacher. A passing score on appropriate section(s) of the Praxis examination also is required for this certificate of eligibility. Under current New Jersey state regulations, the student must then successfully serve one year as a provisionally certified teacher before the state will grant standard, permanent certification. (Students who desire certification only without the M.A. degree, are required to complete the first 30 credits listed below.)

For an additional 6 credits, the candidates may also be recommended to the State of New Jersey for the certificate of eligibility as an early childhood teacher.

Although there are reciprocal certification agreements among many states, these are subject to change. Students from states other than New Jersey should check with their states' Department of Education for specific requirements.

Course of Study

		Semester(s)	Credits
EDST 6216	Research Technologies	F & S	3
EDST 6221	In-Service Teaching Seminar I <i>(for employed teachers without certificate)</i> and	F & S	3

EDST 6222	In-Service Teaching Seminar II <i>(for employed teachers without certificate)</i> or	F & S	3
EDST 6228	Student Teaching Seminar	F & S	3
EDST 6229	Graduate Student Teaching	F & S	3
EDST 6407	Introduction to Teaching	F & S	3
EDST 6408	Child Development and Curriculum	S	3
EDST 6410	Social Studies Education	F	3
EDST 6411	Topics in Science Education	F	3
EDST 6414	Language Arts: The Early Years	S	3
EDST 6415	Methods of Teaching Mathematics I	F	3
EDST 6416	Language Arts: Upper Elementary	F	3
EDST 6417	Methods of Teaching Science/ Math II	S	3
			Total: 33

***Early Childhood Certification**

For an additional 6 credits listed below, the candidate may also be recommended to the State of New Jersey for the certificate of eligibility as an early childhood teacher. These credits must be taken in conjunction with the M.A. program in Elementary Education. By themselves they will not lead toward the certificate of eligibility as an early childhood teacher. The State of New Jersey requirements and the standards of the National Association for the Education of Young Children have been included in and are developed through the M.A. coursework as well as in the additional 6 credits.

EDST 6565	Curriculum and Assessment in Early Childhood Education	3
EDST 6566	Family, Community and School in Early Childhood Education	3
		Total: 39

Early Childhood Certification Program

The Early Childhood Certification Program is available for qualified non-degree seeking graduate students who provide a letter of eligibility from the State Department of Education. Following the completion of the required 5 courses, students are eligible for recommendation to the State of New Jersey for Early Childhood Certification. The five certification courses are: EDST 6565, EDST 6566, EDST 6408, EDST 6414 and EDST 6415.

Course Descriptions

EDST 6221 In-Service Teaching Seminar I (In-service teachers)

In-service teachers meet weekly in a seminar designed to offer feedback to practicing teachers seeking to achieve competencies in planning classroom management. Teachers analyze and compare assessment methods and tests applicable to all subject areas. 3 credits.

EDST 6222 In-Service Teaching Seminar II (In-service teachers)

In-service teachers meet weekly in a seminar designed to offer feedback to practicing teachers seeking to achieve competencies in planning classroom management. Teachers analyze and compare

assessment methods and tests applicable to all subject areas.
Prerequisite: EDST 6221. *3 credits.*

EDST 6228 Student Teaching Seminar

Taken concurrently with student teaching; deepens perception of school and community issues. Focuses on objectives, materials, methods and assessment of instruction; organization and management of classrooms. Provides support for student teaching and other field-related activities. *3 credits.*

EDST 6229 Graduate Student Teaching

Provides one semester in an appropriate student teaching experience. The student integrates and connects models of teaching and subject matter in the classroom with the direct supervision of a cooperating teacher, a college supervisor and a seminar professor. *3 credits.*

EDST 6407 Introduction to Teaching

This course is an introduction to the many facets of education. The course will explore the profession of education, the structure and organization of schools, the legal and historical aspects of education, educational theory and philosophy, and schools for the next century. *3 credits.*

EDST 6408 Child Development and Curriculum

This course is designed to enable the student to understand the development of the child, emotionally, physically, cognitively, socially and morally in order to make appropriate decisions about subject matter, method and curriculum goals and materials. The art and science of teaching involves both the knowledge of child development and knowledge of the curriculum. It is essential for the well educated teacher to know how to integrate these two knowledge basics. *3 credits.*

EDST 6410 Social Studies Education

Preparing productive and responsible citizens requires education directed at that goal. Such education imparts knowledge about our history, and our political and economic systems. It develops the skills, attitudes and values that support motivated citizen movement. It shows students that accurately informed and directly involved citizens are important to our national well being. Develops strategies for teaching the social studies. *3 credits.*

EDST 6411 Topics in Science Education

Prepares pre-service teachers to teach science process, content and attitudes to elementary school children. The nature of science and scientific inquiry, knowledge and skills appropriate to various class levels and the impact of the background students and teachers bring to this endeavor on teaching and learning. *3 credits.*

EDST 6414 Language Arts: The Early Years

Focuses on the teaching and acquisition of literacy in the early elementary years; develops knowledge of specific literacy skills such as phonics, sight words, oral reading fluency, reading comprehension, spelling and composition; presents techniques for teaching reading, writing, listening and speaking; develops knowledge of special corrective techniques; stresses an integrated skills approach, emphasizes motivation, the development of positive attitudes towards the language arts, and a love of literature. *3 credits.*

EDST 6415 Methods of Teaching Mathematics I

Acquaints students with contemporary math curriculum standards for elementary math curricula and assessment, provides students with the opportunity to analyze the mathematics concepts essential for teaching elementary mathematics. *3 credits.*

EDST 6416 Language Arts: Upper Elementary

Focuses on teaching and acquisition of literacy in the upper elementary years; stresses techniques for improving vocabulary, comprehension and writing skills; develops knowledge of process writing and methods of assessing language arts performance; investigates the application of reading and writing to content area learning; develops knowledge of children's literature; underscores the importance of modeling, motivation and positive attitudes. *3 credits.*

EDST 6417 Methods of Teaching Science/Math II

Addresses problem solving as it relates to mathematics and science curriculum in elementary schools. Students become acquainted with classroom practice that focuses on both the national and New Jersey State Core Curriculum Standards. Students become conversant with contemporary science and math curriculum that emphasizes the application of problem solving concepts and strategies using manipulatives, exploring alternative mental processes, conducting research, collecting and reporting data and utilizing a hands-on, minds-on cooperative, interactive approach. *3 credits.*

EDST 6565 Curriculum and Assessment in Early Childhood Education

This course will provide a thorough introduction to the field of early childhood education. By examining influential historical curricula, along with innovative current models, students will gain an awareness of the many components needed to create a successful early childhood program. Students will focus on the developmental levels of young children and how those stages are supported within the curriculum. Emphasis will be placed on establishing an appreciation and understanding of the specific techniques and behaviors used to design a developmentally appropriate program for children from birth through age eight that supports their diversity and broad range of learning styles. In addition, students will examine various methods of multidimensional, ongoing and performance-based assessment for all aspects of the program. Active field experience will provide students with opportunities to observe children as they acquire knowledge through exploration and play. *3 credits.*

EDST 6566 Family, Community and School in Early Childhood Education

Through this course, students will gain an understanding of the partnership home and school share in the establishment of a successful learning environment for children. Students will examine social, cultural, and ethnic differences within families in order to gain an appreciation of the many diverse backgrounds that exist throughout the school population. Programs that support and involve parents will be researched, so that students can become more familiar with the school's role and responsibility as an advocate of children. *3 credits.*

Professional Development Programs

Kozlowski Hall
(973) 761-9391

Faculty: Martinelli; Nestor; Ruzicka; Sardone; Skeeel.

Keeping in mind the challenges of the next decade and beyond, the Professional Development Program offers students knowledge and experiences in the foundations of education, professional education and interdisciplinary studies that enhance professional preparation for the 21st century.

The Professional Development Program is distinctive in offering students the opportunity to design a master's degree program or educational specialist degree program that meets their specific personal and professional goals. Interdisciplinary approach encourages students to take courses in any college or school at the University. Through well-developed process of advisement, faculty assist students to construct a program that satisfies their interests and career objectives.

Master of Arts in Education

The Professional Development Program offers the following concentrations which lead to the degree Master of Arts in Education:

Professional Development in Education
Instructional Design and Technology
Health Professions Education

Admission

Formal admission to graduate studies is necessary to enter the M.A. program. In addition to the general University requirements for the degree Master of Arts in Education, applicants for all PDP programs must submit the following:

- two copies of all transcripts;
 - completion of an undergraduate degree program with a minimum cumulative GPA of 2.75;
 - satisfactory scores on the Graduate Record Examination or the Miller Analogies Test (either one taken within the last three years);
 - three letters of reference attesting to the candidate's academic ability and personal qualifications; and
 - a typed, two-page statement of goals and professional interests.
- students must be matriculated by the time they complete 12 credits

Degree and Curriculum Requirements

Students admitted to a PDP master's degree program must satisfy all University, College and program requirements for admission and for graduation. Each master's degree program requires a minimum of 36-credits, and a graduate academic record of 3.0. The 36 credit requirement for each master's program consists of foundation courses and concentration courses.

Up to 6 graduate credits earned recently at another accredited college or university may be accepted in partial satisfaction of graduate degree requirements in the PDP program.

M.A. in Education

Professional Development in Education

The M.A. in Professional Development for Educators is offered both on-campus and at several off-campus sites. The curriculum reflects current good practice in education. It is constantly changing and evolving as ideas, pedagogy and materials develop and emerge. The program includes a variety of courses that enable teachers and school personnel to study current educational practices in their own schools or at sites convenient to their workplace.

Candidates for this program are required to complete 12 foundations credits and 24 concentration credits for a total of 36 credits as follows:

Foundations (12 credits)*

Select one of the following:

EDST 6002 Graduate Research Methods
EDST 6216 Electronic Research Technologies**

Select three of the following three:

EDST 6326 Advanced Psychology of Learning
EDST 6338 Foundations of Contemporary Education or Seminar: Social, Ethical and Legal Issues in Technology
EDST 6344 Ethical Issues
EDST 7310 Current Issues in School and Society
EDST 7312 History of Education in America
EDST 9301 Philosophic Perspective in School and Society
EDST 9304

Concentration (24 credits)***

Select 24 credits from the following:

EDST 6009 Teaching Strategies for Multicultural Education
EDST 6051 Creative Conflict Resolution
EDST 6108 Psychoeducational Foundations of Learning Disabilities
EDST 6324 Human Relations
EDST 6336 Educational Psychology
EDST 6343 Whole Language Classroom
EDST 6409 Styles of Teaching and Learning
EDST 6450 Successful Mainstreaming: Strategies for Inclusion
EDST 6455 Critical Thinking Across the Curriculum
EDST 6460 Contemporary Assessment Practices
EDST 6465 Collaborative Education
EDST 6551 Advanced Strategies of Teaching
EDST 7314 Fostering Moral Development in the Classroom
EDST 7501 Human and Intercultural Relations
EDST 7510 Secondary Education Curriculum Design
EDST 8201 Creative Approaches in Education

Technology courses may also be taken as part of the concentration.

* Foundations courses taken beyond the 12 credit requirement may be applied to your concentration requirement.

** Required to be taken on-campus

*** Courses will be added periodically to the list of concentration courses. You may take these new courses toward your concentration requirement. Methods and technology courses may also be taken.

****The Certificate in Supervision may be earned within the context of an M.A. degree through completion of four selected

courses in administration/supervision, if a student holds N.J. Teaching Certification and provides verification of three years of full-time teaching at the K - 12 level. These courses may be applied toward your concentration requirement (consult the director/adviser for additional information). **Total: 36**

M.A in Education

Instructional Design and Technology

Director: Rosemary W. Skeele, Ed.D.

The M.A. program in Instructional Design and Technology assists teachers and trainers to improve their professional performance and to assume leadership roles. Students are accepted from corporate, government, nonprofit and educational environments. The program emphasizes a theoretical base for curriculum development and exposure to a broad array of computer-based instructional methods and materials.

The Instructional Design and Technology program is interdisciplinary, allowing acquisition of knowledge in a wide range of subjects. Each student's program is unique. Concentration credits may be selected from such areas as computing, instructional design, psychology, and information technologies, and should flow from the goals and objectives identified during the admissions process. Students may obtain the Certification in Information Technologies as part of this program. Upon admission, the student must construct a program plan with an appointed College of Education and Human Services adviser. The program plan will identify the courses to be taken as well as a projected graduation date.

The candidate for this program is required to complete 6 foundations credits and 30 concentration credits for a total of 36 credits as follows:

Foundations (6 credits)*

Select the following:

EDST 6216 Electronic Research Technologies

Select one of the following:

EDST 6337 Foundations of Contemporary Education

EDST 6344 Seminar: Social, Ethical & Legal Issues in Technology

EDST 7310 Ethical Issues in School and Society

EDST 7312 Current Issues in School and Society

EDST 9301 History of Education in America

EDST 9304 Philosophic Perspective in School and Society

Concentration (27 Credits)

Program to be constructed by student in consultation with adviser.

Examples of courses available in the program:

EDST 6210 Microcomputing I

EDST 6212 Microcomputing II

EDST 6213 Access Database Application Development

EDST 6214 Web Page Technologies

EDST 6215 Computer Graphics and Animation

EDST 6216 Electronic Research Technologies

EDST 6307 Integrating Curriculum and Technology

EDST 6314 Multimedia Technologies

EDST 6344 Seminar: Social, Ethical & Legal Issues in Technology

EDST 6345 Online Course Management and Delivery

EDST 6347 Special Projects in Technology

EDST 6348 Computer Networking Fundamentals

EDST 7348 Online Course Design and Implementation

EDST 7349/7350 Internship in Information Technologies I & II

*Foundations courses taken beyond the 6 credit requirement may be applied to your concentration requirement.

Total: 36 credits

Educational Media Specialist Program

Director: Rosemary W. Skeele, Ed.D.

M.A. and Certification

The Educational Media Specialist program prepares K-12 school library media specialists that are certified by the state of New Jersey. The 36-credit program offers the media specialist requirements with the technology orientation sought by many school districts today. Graduates are fully certified to administer K through 12 educational media centers and school libraries. Our program includes the most current courses and technologies in the field. Every school needs media specialists who are technology leaders.

The Program

The courses offered below are available as a sequence of study to meet the Educational Media Specialist certification requirements. A master's degree, a standard New Jersey Teacher's Certificate in any field and two years teaching experience are required as prerequisite to the issuing of the Educational Media Specialist Certificate. Students receive New Jersey Certification as an Educational Media Specialist when degree is completed. The candidates in this program are required to complete 36 credits selected from the following courses:

Foundations Courses (9 credits)

EDST 6216 Electronic Research Technologies

Select two of the following:

EDST 6337 Foundations of Contemporary Education

EDST 6344 Seminar: Social, Ethical & Legal Issues in Technology

EDST 7310 Ethical Issues in School and Society

EDST 7312 Current Issues in School and Society

EDST 9301 History of Education in America

EDST 9304 Philosophic Perspectives in School and Society

Concentration Courses (27 credits)

EDST 6301 Literature for Children and Adolescents

EDST 6307 Integrating Curriculum and Technology

EDST 6308 Organizing and Administering Educational Media Centers

EDST 6310 Practicum in Educational Media Services*

EDST 6315 Technical Processes for Educational Media Resources

Select one of the following courses:

EDST 6210	Microcomputing I
EDST 6212	Microcomputing II
EDST 6213	Access Database Application Development

Select three of the following courses:

EDST 6206	Software Evaluation
EDST 6212	Microcomputing II
EDST 6213	Access Database Application Development
EDST 6214	Web Page Technologies: Applications and Issues
EDST 6304	Production of Instructional Resources I
EDST 6305	Production of Instructional Resources II
EDST 6306	Instructional Systems Design
EDST 6314	Multimedia Technologies
EDST 6345	Online Course Management and Delivery

*Prior field experience in educational media may be accepted in lieu of this requirement. Student must select another course if waived.

Total: 36 credits

Integrated Science, Math, and Technology

Director: Rosemary W. Skeele, Ed.D.

In a recent report, the National Commission on Mathematics and Science Teaching in the 21st Century stated that the way to improve learning in science, mathematics and technology is to improve teaching. Better teaching can be achieved through professional development and advanced preparation.

The Integrated Science, Math and Technology Master of Arts Program improves the overall preparation of teachers by linking knowledge and performance expectations with the core content standards for mathematics, science and technology for P-8 students. The curriculum places equal emphasis on content and pedagogy, training teachers to include hands-on, real-life projects that connect science, mathematics and technology to children's lives and exploit the most current computer-based technologies, equipment, and software for teaching science, mathematics and technology.

This multidisciplinary program will increase the number of P-8 teachers enthusiastic about and prepared to teach science, mathematics, and technology by developing positive attitudes or "comfort levels" in teachers for these subjects. The program incorporates into the curriculum the benefits of a variety of partnerships, including a college of education, a college of arts and sciences, a science museum, environmental centers and a marine sciences consortium.

The candidate for this program is required to complete 9 foundations credits and 27 concentration credits for a total of 36 credits as follows:

Foundations (9 credits)

EDST 6216	Electronic Research Technologies
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Select two of the following:

EDST 6326	Adv. Psychology of Learning
EDST 6336	Educational Psychology
EDST 6344	Seminar: Social, Ethical and Legal Issues in Technology
EDST 7312	Current Issues in School and Society

Concentration Courses (27 credits)

Program to be constructed in consultation with adviser.

EDST 3705	Integrating Curriculum and Technology
EDST 6210	Microcomputing I
EDST 6411	Topics in Science Education
EDST 6415	Methods of Teaching Mathematics I
EDST 6417	Methods of Teaching Science/Math II
EDST 6460	Contemporary Assessment Practices
3 electives	Technology, Math or Science*

Total: 36 credits

*Other elective courses available that can be applied toward the degree. Middle grade teachers are encouraged to take both elementary and secondary methods courses.

M.A. in Health Professions Education

Director: Rosemary W. Skeele, Ed.D.

Health Professions Education

The Master of Arts in Health Professions Education is a program jointly offered by the University of Medicine and Dentistry of New Jersey (UMDNJ) School of Health-Related Professions and the Seton Hall University College of Education and Human Services. The program is a flexible, 36-credit program that may be taken on a full-time or part-time basis. Students may choose to pursue one of the following concentrations: health professions education, organizational change or instructional design and technology. Each concentration is interdisciplinary and designed to allow students to create a course of study to meet their specific personal and career needs. Upon admission, students must construct a program plan with an appointed UMDNJ or Seton Hall adviser. Each student's program plan should flow from the goals and objectives identified during the admission process.

Program Requirements

Foundation coursework:	12 credits
Concentration coursework:	21 credits
Practicum with research paper:	3 credits
Total Program Credits:	36

Of the 36 credits, 15 credits must be completed at UMDNJ, 15 credits must be completed at Seton Hall and 6 credits may be completed at either institution. Selection 4000-level courses may be utilized to complete program requirements. Courses may be taken only with written permission of an adviser. A maximum of 6 credits at the 4000 level are permitted.

Foundation Courses (12 credits)

Students must complete four foundation courses, two at UMDNJ and two at Seton Hall University.

UMDNJ Required Foundation Courses (6 Credits)

HPED 5110	Health Services Issues and Trends
HPED 5240	Management and Leadership in the Health Professions

Seton Hall University Required Foundation Courses (6 credits)

Select one of the following:

EDST 6002	Graduate Research Methods
NUTR 5480	Applied Clinical Nutrition Research

Select two of the following:

EDST 6326	Advanced Psychology of Learning
EDST 6337	Foundations of Contemporary Education
EDST 6344	Seminar: Social, Ethical and Legal Issues in Technology
EDST 7310	Ethical Issues
EDST 7312	Current Issues in School and Society
EDST 9301	History of Education in America
EDST 9304	Philosophic Perspective in School and Society

Concentration Coursework

Of the 24 credits required, 9 must be taken at UMDNJ, (this includes the 3-credit practicum described below), 9 credits must be taken at Seton Hall and 6 credits can be taken at either institution.

Research – All students are required to complete a 3-credit research course, either EDST 6002 at SHU or NUTR 5480 at UMDNJ.

Practicum (3 credits) – All students are required to complete a 3-credit UMDNJ practicum. The practicum is a 120-hour practical experience in the student's concentration area. A supervisor is assigned to the student while completing the practicum. Students are required to submit a written paper regarding their practicum.

Health Professions Education Concentration

Health professions educators teach in a variety of settings, including allied health programs, staff development programs in healthcare institutions, continuing education agencies and public health institutions. Students in this concentration will study topics that include teaching methodologies, higher education administration and the trends in health care that impact health professions education programs.

UMDNJ Course Offerings for Health Professions Education Concentration

BIFN 5000	Fundamentals of Healthcare Information Systems
DENH 4110	Advanced Periodontology
DENH 4200	Advanced Concepts in Oral Pathology
DENH 4220	Current Issues in Allied Dental Practice
DENH 4400	Internship
HPED 5100	Health Services, Issues and Trends
HPED 5154	Teaching in the Health Professions
HPED 5210	Curriculum Development: Health Professions Education Programs
HPED 5240	Management and Leadership in the Health Professions
HPED 6000	Practicum in Health Professions Education
HPED 6500	Independent Study in Health Care
HPED 6720	Teaching Self Control, Interpersonal Awareness and Decision Making in the Elementary Classroom
HPED 6740	Social Problem Solving: Introduction to the Urban Initiative

IDST 4111	Dynamics of Health and Society
IDST 4200	Cultural Diversity and Health Care
MHNP 5101	Science and Research
MHNP 5201	Counseling Theories
NUTR 5300	Vitamins and Minerals
NUTR 5310	Pediatric Nutrition (with permission)
NUTR 5410	Geriatric Nutrition
NUTR 5480	Applied Clinical Nutrition Research
NUTR 5500	Cultural Issues Influencing Health
NUTR 5601	Advanced Clinical Nutrition (with permission)
PAMS 5120	Nutrition
PSRT 5252	Addictions and Mental Illness
PTMS 4262	Scientific Inquiry (2 credits)
RSTN 4150	Legal and Ethical Dimensions of Practice
RSTN 4910	Patient Family Education

Seton Hall University Course Offerings for Health Professions Education Concentration

EDST 6108	Psychoeducational Foundation of Learning Disabilities
EDST 6210	Microcomputing
EDST 6223	Advanced Psychology of Childhood
EDST 6306	Instructional Systems Design
EDST 6307	Integrating Curriculum and Technology
EDST 6323	Community Relations
EDST 6325	Psychological Foundations of Education
EDST 6326	Advanced Psychology of Learning
EDST 6328	Critical Issues in Education
EDST 6336	Educational Psychology
EDST 6337	Foundations of Contemporary Education
EDST 6407	Introduction to Education
EDST 6408	Child Development and Curriculum
EDST 6409	Styles of Teaching and Learning
EDST 6455	Critical Thinking
EDST 6460	Contemporary Assessment Practices
EDST 6465	Collaborative Education
EDST 6551	Advanced Strategies of Teaching
EDST 7001	Socio: Education Research Methods
EDST 7312	Current Issues in School and Society
EDST 8225	Children's Rights: Legal and Psychological Implication
EDST 8303	The American Ethos of Education
EDST 9301	The History of Education in America
EDST 9302	Socio-Psychological Domain of Education
EDST 9303	Sociological Thought in Education
EDST 9304	Philosophic Perspectives in School and Society

Organizational Change Concentration

The role of healthcare workers in today's healthcare environment is rapidly changing. The manner in which health care is provided increasingly is influenced by government, the health insurance industry and corporate policy. Students in this concentration will study topics that include managed care, re-tooling of the healthcare workforce, human resource management in health care, the multicompetent healthcare practitioner, leadership and management in health care, and healthcare policy and legislation.

UMDNJ Course Offerings for Organizational Change Concentration

BINF 4002	Design and Management of Health Information Systems I
BINF 4003	Design and Management of Health Information Systems II
BINF 4004	Multimedia Applications of Computers in Health Care
BINF 5000	Fundamentals of Healthcare Information Systems
DENH 4110	Advanced Periodontology
DENH 4200	Advanced Concepts in Oral Pathology
DENH 4220	Current Issues in Allied Dental Practice
DENH 4400	Internship
HPED 5110	Health Services, Issues and Trends
HPED 5140	Teaching in the Health Professions
HPED 5210	Curriculum Development in Health Professions Education
HPED 5240	Planning and Administration Health Professions Education Programs
HPED 6500	Independent Study in Health Care
HPED 6600	Practicum in Health Professions Education
IDST 4111	Dynamics of Health and Society
IDST 4200	Cultural Diversity and Health Care
IDST 4244	Health Assessment: Interviewing and Physical Exam
NUTR 5400	Nutrition Management
NUTR 5480	Applied Nutrition Research
NUTR 5500	Cultural Issues Influencing Health
NUTR 5510	Current Issues in Nutrition Health Care
PHYA 3360	Clinical Laboratory
PSRT 5101	Seminar in Principles and Practices of PSR (with permission)
PSRT 5111	Program and Organizational Development in PSR
PSRT 5212	Management and Supervision
PSRT 5252	Addictions and Mental Illness
PTMS 4262	Scientific Inquiry II (with permission - 2-credit course)
PTMS 5212	Healthcare Organizations II (2-credit course)
RSTN 3350	Planning, Implementing and Evaluating Respiratory Care (extends beyond RC)
RSTN 4150	Legal and Ethical Dimensions of Practice
RSTN 4650	Management, Supervision and Practice Leadership

Seton Hall University Course Offerings for Organizational Change Concentration

EDST 6214	Web Page Technologies
EDST 6324	Human Relations
EDAS 6761	Finance in Administration
EDAS 6764	Principles of Public Sector Bargaining
EDAS 6765	Policy Analysis in Administration
EDAS 7761	Management of Fiscal Affairs in Administration
EDAS 7762	Public Relations in Administration
EDAS 7772	Leadership Dynamics: Analysis of Supervisory Behavior
EDAS 7773	Organizational Structures and Processes in Administration
HRTD 5501	Introduction to Human Resources Development

HRDT 5502	Adult Learning for Human Resources Development Professionals
HRDT 5503	Design and Evaluation of Human Resource Development Programs
HRDT 5504	Performance Analysis
HRDT 5505	Performance Improvement Strategies
HRDT 5506	Consulting Skills

Instructional Design and Technology Concentration

The increased use of computers and other advanced technology make it especially important for educators to possess an in-depth understanding of the role of technology in education. This concentration emphasizes both a theoretical and practical base for curriculum development, while providing exposure to a broad array of current instructional methods and materials. Students in this concentration will study topics that include integration of technology and education development of a technology-based curriculum problem solving and decision making using instructional technologies; and planning and administration in health profession programs, including staffing, marketing, student recruitment, selection and retention, and accreditation. A Certificate in Information Technology from Seton Hall may be obtained while pursuing this degree program.

UMDNJ Course Offerings for Instructional Design and Technology Concentration

BINF 4002	Design and Management of Health Information Systems I
BINF 4003	Design and Management of Health Information Systems II
BINF 4004	Multimedia Applications of Computers in Healthcare
BINF 5000	Fundamentals of Healthcare Information Systems
BINF 5312	Interactive Learning Systems for Health Sciences*
BINF 5413	Health Sciences Teaching Systems Design Seminar*
DXMS 3400	Pathology Imaging Sciences
HSTC 3115	Multiple Modality Anatomy
HSTC 3120	Computerized Imaging

Seton Hall University Course Offerings for Instructional Design and Technology Concentration

EDST 6210	Microcomputing I
EDST 6212	Microcomputing II
EDST 6213	Access Database Application Development
EDST 6214	Web Page Technologies
EDST 6215	Computer Graphics and Animation
EDST 6216	Electronic Research Technologies
EDST 6307	Integrating Curriculum and Technology
EDST 6314	Multimedia Technologies
EDST 6344	Seminar: Social, Ethical and Legal Issues in Computing
EDST 6345	Online Course Development and Management
EDST 6348	Computer Networking Fundamentals
EDST 6347	Special Projects in Technology
EDST 7348	Online Course Design and Implementation
EDST 7349/7350	Internship in Information Technologies I & II

M.A. in Education

Educational Partners in Catholic Schools (EPICS)

Director: Reverend Kevin M. Hanbury, Ed.D.

The Professional Development Program leading to an M.A. in Education with a concentration in Catholic school teaching has been offered since Summer 2000. The mission of the program is to recruit and further train recently certified teachers to serve at least two years in Catholic schools while simultaneously earning a graduate degree. The program is designed to enable beginning teachers with entry level professional knowledge and skill to acquire the advanced competencies needed to become teacher leaders within the Catholic educational community.

This special program is available only for individuals who will teach in K-12 Catholic schools, live together in community housing, and participate in spiritual and ethical development activities while also enrolled in a master's program.

The academic program consists of 12 courses (36 credit hours). The courses are organized around four themes:

1. Catholic Heritage (6 credits)
2. Information Technology (6 credits)
3. Instructional Excellence (15 credits)
4. Contemporary Issues (9 credits)

The academic program will be organized on a cohort basis. Students will be enrolled in a specially sequenced curriculum that will permit the completion of the degree in two years. If necessary, course substitutions will be allowed if approved by the academic director of the program. Completion within two years is contingent upon enrollment in all courses scheduled for the cohort group.

For additional information, including the specific list of courses in the program, contact:

Reverend (Dr.) Kevin Hanbury
Seton Hall University
400 South Orange Avenue
South Orange, NJ 07079
Phone: (973) 275-2854

Educational Specialist Degree (Ed.S.)

Director: Rosemary W. Skeele, Ed.D.

The Ed.S. degree is intended for professional educators and those in the helping professions who need preparation beyond the master's degree. The purpose of the degree is to advance and update skills and competencies and to meet changing certification requirements. The degree is humanistic and professional, as well as flexible and comprehensive, and enables graduates to qualify for positions of leadership. The Ed.S. program is of particular interest to school administrators, educational researchers, teachers, department chairs and supervisors.

The Professional Development Program offers courses leading to the degree Educational Specialist with the following specializations:

Professional Studies
Instructional Design and Technology
Educational Media

Application and Admission

Formal admission to graduate studies is necessary to enter the Ed.S. program. Requests for applications may be directed to the Graduate Admissions Office.

These are the admission requirements for the Ed.S.:

- a master's degree in an appropriate field from an accredited college or university;
- public school teaching certification, if appropriate;
- acceptable scores on the Miller Analogies Test or the Graduate Record Examination;
- a statement of professional goals, including indices of special accomplishments such as leadership roles in the candidate's field;
- graduate-level cumulative average of 3.25 or better; and
- three letters of recommendation from graduate faculty and professional associates in administrative and/or supervisory roles.

Degree Requirements

The Ed.S. program requires a minimum of 36 graduate credits beyond the master's degree. These include departmental course requirements, interdisciplinary/interdepartmental studies, and a culminating experience (a project chaired by a faculty adviser and graded by a faculty committee). Students in the program must maintain an academic GPA of 3.25 for all Ed.S. coursework. Graduate credits earned at other accredited colleges or universities may be accepted in partial satisfaction of degree requirements, provided they have not been used to fulfill requirements for a previous degree and that the grade is a "B" or higher. The exact number credited depends on the currency and relevancy of the courses to the program pursued. A maximum of 6 credits can be accepted in transfer.

Concentration courses in the Educational Specialist programs may be selected from any academic unit within Seton Hall University, and should flow from the goals and objectives identified during the admissions process. Upon admission, student must construct a program plan with an appointed College of Education and Human Services adviser. The program plan will identify courses to be taken as well as a projected graduation date. Students may obtain the Certification in Information Technologies as part of this program.

The 36 credits for both Educational Specialist programs consist of the following foundation courses and concentration courses:

Foundations (6 credits)

Select two of the following:

EDST 6344	Seminar: Social, Ethical and Legal Issues in Technology
EDST 9301	History of Education in America
EDST 9302	Socio-Psychological Domain of Education
EDST 9303	Sociological and Anthropological Thought in Education
EDST 9304	Philosophical Perspective in Society

Culminating Project (3 credits)

EDST 9306	Culminating Research Seminar/Project
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Concentration (27 credits)

Program to be constructed by student in consultation with adviser.

162 Educational Specialist Degree

Examples of courses available in the program:

EDST 6210	Microcomputing I
EDST 6212	Microcomputing II
EDST 6307	Integrating Curriculum and Technology
EDST 6213	Access Database Application Development
EDST 6214	Web Page Technologies
EDST 6215	Computer Graphics and Animation
EDST 6216	Electronic Research Technologies
EDST 6314	Multimedia Technologies
EDST 6344	Seminar: Social, Ethical, and Legal Issues in Computing
EDST 6345	Online Course Management and Delivery
EDST 6348	Computer Networking Fundamentals
EDST 6347	Special Projects in Technology
EDST 7348	Online Course Design and Implementation
EDST 7349/7350	Internship in Information Technologies I & II

Total: 36 credits

Ed.S. Degree Programs

Professional Studies

The Ed.S. program in Professional Studies is designed for teachers, scholars and others in the helping professions preparing themselves for positions of leadership in education and other helping professions. Each Ed.S. plan of study is flexible and may be structured to meet individual and professional needs.

Instructional Design and Technology

The Ed.S. program in Instructional Design and Technology is an interdisciplinary program that accommodates students from diverse backgrounds. It is structured to meet the individual professional needs of teachers and corporate and industrial trainers.

Educational Media Specialist

An Ed.S. degree is intended for professional educators who want a degree beyond the master's degree. The purpose of the degree is to advance and update skills and competencies and to meet changing certification requirements. The degree enables graduates to qualify for positions of leadership in an Educational Media Center.

Foundations (6 credits)*

Select the following:

EDST 6216	Electronic Research Technologies
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Select one of the following:

EDST 6337	Foundations of Contemporary Education
EDST 6344	Seminar: Social, Ethical & Legal Issues in Technology
EDST 7310	Ethical Issues in School and Society
EDST 7312	Current Issues in School and Society
EDST 9301	History of Education in America
EDST 9304	Philosophic Perspective in School and Society

Concentration (27 Credits)

Program to be constructed by student in consultation with adviser.

Examples of courses available in the program:

EDST 6210	Microcomputing I
EDST 6212	Microcomputing II
EDST 6213	Access Database Application Development
EDST 6214	Web Page Technologies
EDST 6215	Computer Graphics and Animation
EDST 6216	Electronic Research Technologies
EDST 6307	Integrating Curriculum and Technology
EDST 6314	Multimedia Technologies
EDST 6344	Seminar: Social, Ethical and Legal Issues in Technology
EDST 6345	Online Course Management and Delivery
EDST 6347	Special Projects in Technology
EDST 6348	Computer Networking Fundamentals
EDST 7348	Online Course Design and Implementation
EDST 7349/7350	Internship in Information Technologies I & II

**Foundations courses taken beyond the 6 credit requirement may be applied to your concentration requirement.*

Total: 36 credits

Certificate in Information Technologies

Director: Nancy Sardone, M.A.

Preparing for Your Future

From modems to satellites, from distance education to virtual reality, information technologies are creating exciting and far-reaching changes in our lives. How will you respond to the opportunities and dilemmas they present today and in the future?

A Certificate in Information Technologies will help you establish a base of knowledge that will enable you to live and work effectively in today's knowledge-oriented society.

In this program you will discover the basic concepts behind a wide range of information technologies and the powerful impact they have on our lives. You will become actively involved in the intelligent utilization of a variety of information systems and the use of computer software to improve productivity, make decisions, pursue research interests, produce multimedia presentations and enhance learning.

Be confident about your computing skills when you apply for your next job. This certificate will show employers that you have the technical proficiency to back up your academic accomplishments.

The Certificate in Information Technologies

The certificate program acknowledges students who achieve a level of experience and knowledge with information technologies. The certificate program is open to any graduate students enrolled at the University as well as students who are not enrolled in a full University program.

Certificate Requirements

The College will award the Certificate in Information Technologies to students who successfully complete five 3-credit information technology courses (15 credits). The certificate award will also be noted on your transcript. A maximum of 6 credits will be accepted for equivalent experience in other divisions of the University, or for courses taken at other colleges.

The Graduate Information Technologies Program

The following courses may be applied toward the IT certificate.

Select five courses:

- EDST 6210 Microcomputing I
- EDST 6212 Microcomputing II
- EDST 6213 Access Database Application Development
- EDST 6214 Web Page Technologies
- EDST 6215 Computer Graphics and Animation
- EDST 6216 Electronic Research Technologies
- EDST 6307 Integrating Curriculum and Technology
- EDST 6314 Multimedia Technologies
- EDST 6344 Seminar: Social, Ethical and Legal Issues in Computing
- EDST 6345 Online Course Management and Delivery
- EDST 6348 Computer Networking Fundamentals
- EDST 6347 Special Projects in Technology
- EDST 7348 Online Course Design and Implementation
- EDST 7349/7350 Internship in Information Technologies I & II

Total: 15 credits

Certificate in Online Course Development and Management

Director: Nancy Sardone, M.A.

Teach Online Courses

As we move into the 21st century, universities and colleges around the world are experiencing the changes created by technology and looking for ways to implement new modes of teaching and training students. Faculty and students are no longer bound to a classroom - there is a shift from the traditional mode of teaching and learning to online education.

Seton Hall University, a leader in Web-based education, is offering an Online Course Development and Management Certificate to help educators and trainers acquire the teaching and technical skills desirable for online teaching. This certificate provides the expertise educators need to teach courses in an online learning environment.

As a leader in online education, Seton Hall University offers this program to prepare students for future success in a high-tech world.

A Certificate in Online Course Development and Management will enable you to communicate and instruct effectively in today's cyber environment.

The Certificate in Online Course Development and Management

The certificate program acknowledges students who achieve a level of experience and knowledge with information technologies. The certificate program is open to any undergraduate or graduate student enrolled at the University, as well as students who are not enrolled in a full University program.

Certificate Requirements

The College will award the Certificate in Online Course Development and Management to students who successfully complete five 3-credit information technology courses (15 credits). A maximum of 6 credits may be accepted for equivalent experience in other divisions of the University, or for courses taken at other colleges.

Graduate students may apply the credits earned toward the certificate to a master's degree in the Professional Development Program with a concentration in Instructional Design and Technology; Professional Development for Teachers; or the Educational Media Specialist Certificate Program.

Graduate Program

The following courses may be applied toward the graduate Online Course Development and Management Program Certificate.

Required Courses:

- EDST 6214 Web Page Technologies
- EDST 6216 Electronic Research Technologies
- EDST 6345 Online Course Management and Delivery
- EDST 7348 Online Course Design and Implementation

Select one of the following:

- EDST 6215 Computer Graphics and Animation
- EDST 6314 Multimedia Technologies
- EDST 6344 Seminar: Social, Ethical, and Legal Issues in Technology
- EDST 6348 Computer Networking Fundamentals
- EDST 7349/7350 Internship in Information Technologies

Programs in Secondary Education

Kozlowski Hall
(973) 761-9394

Faculty: Cobarrubias; Daly; Devlin-Scherer; McCartan (*Program Director*); Ruzika (*Program Director Graduate Studies*)

The College of Education and Human Services offers graduate programs in secondary education leading to the M.A. in Education and New Jersey provisional state certification. The program is based upon integration of the most recent research and theoretical findings in education.

The secondary education program seeks to prepare competent and innovative teachers who can respond to the demands of urban and suburban schools.

The secondary education program prepares educators for the following teaching fields: art, bilingual education, biological science, English, English as a second language, mathematics, physical science, psychology, science and social studies. Language certification also is available. (Students must present evidence of having completed a major in one of these teaching subjects.)

After completing the relevant course of study, students in the certification program are eligible for recommendation to the state of New Jersey for the certificate of eligibility with advanced standing to teach the subject for which they have prepared. A passing score on appropriate section(s) of the Praxis examination also is required for this certificate of eligibility. Under current New Jersey state regulations, the student must then successfully serve one year as a provisionally certified teacher before the state will grant standard, permanent certification.

Although there are reciprocal certification agreements among many states, these are subject to change. Students from states

other than New Jersey should check with their states' Department of Education for specific requirements.

Admission Requirements

Candidates who wish to apply for admission must formally submit an application for admission through the Graduate Admissions Office, College of Education and Human Services with an application fee, and must submit the following to qualify for admission:

- official transcripts reflecting a bachelor's degree from an accredited institution, with a GPA of 2.75 or higher;
- transcript of any graduate study;
- a major in an appropriate teaching field;
- a passing score on appropriate Praxis test; and
- three letters of recommendation.

Student Teaching

Students seeking New Jersey state teacher certification must complete a sequence in supervised student teaching. Students should consult with their program adviser for specific requirements.

Students must apply in advance for these experiences, at which time they will receive a comprehensive review of their academic and experiential record. Applications for field experience are due February 15 for fall, and September 15 for spring.

The student teaching application fee is \$100. Completed applications must be received by the assistant dean before April 1 for assignment during the following Spring Semester, and by December 1 for assignment during the following Fall Semester.

M.A. in Secondary Education

I. For Students Seeking New Jersey Teaching Certification:

The student must complete a 24-credit program

Group I (12 credits)

EDST 6307	Integrating Curriculum and Technology
EDST 6554	Child and Adolescent Psychology
EDST 7312	Current Issues in School and Society
EDST 7510	Secondary Education Curriculum Design and Implementation

Group II (9 credits)

EDST 6460	Contemporary Assessment Practice
EDST 6551	Advanced Strategies of Teaching

Students take one of the following:

EDST 6555	English Language Arts
EDST 6562	Social Education
EDST 6557	Secondary Science Methods
EDST 6558	Secondary Mathematics Methods
EDST 6561	World Languages

Group III (3 credits)

EDST 8501	Graduate Teaching Internships
or	
EDST 8502	Graduate Supervised Teaching Seminar

Students will begin program with courses in Group I (it is recommended that students take 3 of the 4 prior to coursework in Group II). Graduate student teaching will be at the completion of all coursework – one course may be taken concurrently.

M.A. in Secondary Education

Students seeking a master's degree take 12 additional credits as follows:

EDST 6003	Teachers as Inquirers: Classroom-based Research
EDST 6009	Teaching Strategies for Multi-Cultural Education
EDST 6314	Multimedia Presentations
Elective: course from –	ESL/Bilingual Bicultural Education Program
	Law-Related Education course
	Arts and Sciences graduate course in one's certification area
	Other with approval of adviser and program director

36 credits

Educational Specialist

Rationale and Purpose

The Ed.S. program is designed to provide an opportunity for educators to advance their professional development beyond the master's level. The program is interdisciplinary in approach and enables the candidate to obtain a balanced perspective in a selected field of study or academic area.

There are three options available to the Ed.S. student:

1. The Ed.S. Degree Program

This is a 39-credit program consisting of advanced courses in secondary and other professional education courses.

2. The Ed.S. Degree – Certification Program

This program combines graduate-level courses leading to initial secondary certification with advanced courses in education and an academic field of specialization. A special feature of this program is a two-semester seminar requiring field research in secondary education. This program requires 39 to 48 credits depending on the student's prior academic record.

3. The Ed.S. Degree – Individualized Program

This program is designed to meet special professional needs of teachers and administrators in secondary schools, community colleges, continuing education centers and other higher learning institutions. A distinctive feature of this program is its 21-credit elective block.

Objectives

Candidates will demonstrate:

- breadth and depth in the newly acquired knowledge and an awareness of the interrelationships of the selected discipline;
- ability to organize, present and evaluate subject matter; and
- ability to identify and evaluate current curriculum materials.

Admission Requirements

In addition to the general University and College of Education and Human Services requirements, candidates for the Ed.S. in secondary education must have completed a master's degree. Applicants to this program must be interviewed. At this time, they will submit a writing sample.

Core Requirements for Ed.S. Degree

18 credits in integrating core courses, including:

Two of the following EDST courses:

EDST 9301	The History of American Education
EDST 9302	The Sociopsychological Domain of Education

EDST 9303	Sociological and Anthropological Thought in Education
EDST 9304	Philosophic Perspective in School and Society
<i>All of the following courses:</i>	
EDST 9502	Research Seminar
EDST 9503	Curriculum and Readings in the Selected Field Study
EDST 9504	Problems and Issues in Secondary and Post Secondary Teaching
EDST 9511	Research Culminating Project
21 credits in concentration courses (under advisement)	

Total: 39

M.A. in Bilingual/Bicultural Education and Teaching English as a Second Language

The College of Education and Human Services offers graduate programs in bilingual education and teaching English as a second language leading toward the degree Master of Arts in Education. These programs satisfy New Jersey state certification requirements. Under current regulations, U.S. citizenship (or verification of intent to apply for citizenship) is required for state certification.

Candidates who are not legal residents of the U.S. may pursue the Master of Arts in Education but will not be eligible for state certification. Legal residents of the U.S. are eligible for state certification after filing a letter of intent to become a citizen. The certification expires after five years if the legal resident does not become a citizen during that time.

The Master of Arts in Bilingual Education and Teaching English as a Second Language offers sub-specializations in bilingual counseling and bilingual school administration in conjunction with the Department of Professional Psychology and Family Therapy and the Department of Educational Administration and Supervision, respectively. The graduate program in bilingual education offers concentrations in Spanish/English, Haitian/English, Chinese-Japanese-Korean/English.

Admission Requirements

Candidates who wish to apply for admission must formally submit an application for admission through the Graduate Admissions Office, College of Education and Human Services with an application fee, and must submit the following:

- official transcript reflecting a bachelor's degree from an accredited institution with ample background in general and professional education (and the requirements in a content area of certification for those seeking certification);
- satisfactory scores on the Miller Analogies Test or the Graduate Record Examination;
- three letters of recommendation; and
- satisfactory scores on the English Proficiency Examination and in the target language in accordance with levels required for state certification.

Bilingual/Bicultural Education Spanish/English, Haitian/English, Chinese-Japanese-Korean/English

Students should secure adviser's approval in advance:

EDST 6002	Graduate Research Methods
EDST 6209	Computer Applications in the Bilingual Curriculum elective
EDST 6336	Psychological Issues and Implications
EDST 6337	Foundations of Contemporary Education
EDST 6504	Applied Linguistics
EDST 6505	Teaching English as a Second Language I
EDST 6560	Language, Culture and Civilization
EDST 7501	Human and Intercultural Relations
EDST 7505	Social Psychology of the Bilingual Child
EDST 7506	Principles of Bilingual/Bicultural Education
EDST 7507	Bilingual Education: Theory and Practice
	Teaching Content Areas
EDST 8511	Field Experience in Bilingual/Bicultural Education
EDST 9502	Research Seminar

Total: 36

Teacher of English as a Second Language

42 credits in the following (adviser's approval required):

EDST 6002	Graduate Research Methods
EDST 6008	Phonology and Structure for Second Language Acquisition elective or 9506
EDST 6209	Computer Applications in the Bilingual Curriculum
EDST 6336	Psychological Issues and Implications
EDST 6337	Foundations of Contemporary Education
EDST 6504	Applied Linguistics
EDST 6505	Teaching English as a Second Language I
EDST 6506	Teaching English as a Second Language II
EDST 6560	Language, Culture and Civilization
EDST 7501	Human and Intercultural Relations
EDST 7502	General Linguistics
EDST 7505	Social Psychology of the Bilingual Child
EDST 8511	Field Experience in Bilingual/Bicultural Education
EDST 9502	Research Seminar
EDST 9505	Sociolinguistics and Bicultural Education
EDST 9506	Psycholinguistics and Bilingualism elective

Total: 42

Note: Students who do not hold a regular New Jersey teaching certificate in another field must additionally complete required courses for teacher certification.

Course Descriptions

EDST 6002 Graduate Research Methods

A survey of research principles, methods and practices in education and the helping professions. 3 credits.

EDST 6003 Teachers as Inquirers: Classroom-Based Research

Introduction to classroom-based research to support participants as they prepare to research a designated problem. Participants reflect on their teaching practices, examine examples of classroom

research, formulate research questions and hypotheses, study a variety of data-gathering techniques and conduct a classroom-based inquiry. Participants are encouraged to publish their findings in professional journals. *3 credits.*

EDST 6005 Reading in Content Areas

Provides an overview of the teaching of reading in grades 7-12, college years and adult courses. Emphasizes skills and techniques used when the reading teacher assumes the role of reading supervisor, reading consultant or administrator of reading programs. *3 credits.*

EDST 6008 Phonology and Structure for Second Language Acquisition

Detailed examination of the phonology, morphology and syntax of Modern American English, including current regional and social dialects of English. Introductory exposure to fundamental concepts of psycholinguistics that have a direct bearing on phonology, syntax and second language acquisition. Emphasizes applications in error analysis, improvement of pronunciation, curriculum design and teaching writing and reading. *3 credits.*

EDST 6009 Teaching Strategies for Multicultural Education

Definition of the social foundations and theories of multicultural education. Exploration of past and current issues and directions of multicultural education. Strategies for teaching multicultural education that reflect an understanding and respect for the cognitive, affective and communicative diversity of students. *3 credits.*

EDST 6050 Law-Related Education: Materials and Methodologies

The purpose of this course is to provide an introduction to the philosophical and historical foundations of law-related education; to enable students to use law-related education materials and methodologies in designing, teaching and assembling interdisciplinary curricula; and to provide a familiarity with current research on the key elements of effective teaching and learning. *3 credits.*

EDST 6051 Creative Conflict Resolution: Methodologies, Skills and Content

Introduces theories underlying negotiation and mediation, skills necessary for effective negotiation and mediation and design of conflict resolution materials. *3 credits.*

EDST 6052 Social Justice in a Diverse Society: Promoting Bias Free Youth

This course will provide an intellectual and practical framework for understanding and teaching about prejudice for teachers with students in grades 4-12. Students in this course will examine the rationale for dealing with prejudice, its sources and its effects. Students in the class will be required to identify an area of concern for which they will prepare an action plan. *3 credits.*

EDST 6101 Psychological and Linguistic Bases of Reading

Focuses on the underlying phonological, morphological and syntactic bases of reading and their methodological implications. Treats reading as a language process. *3 credits.*

EDST 6108 Psychoeducational Foundations of Learning Disabilities

Introduction to the field of learning disabilities, bringing together theory and practice. The historical background and evolution of the learning disabilities concept and the theoretical foundations that support the evolving field of study, research and practice. The current status of the learning disabilities field, including definition, prevalence, etiology, legislative parameters and diagnosis and treatment. *3 credits.*

EDST 6206 Software Evaluation

Principles of resource selection, including pedagogical considerations, policy statements, selection tools, formats, community factors and curriculum needs are examined. Copyright, ethical and legal issues, purchasing, licensing agreements and network considerations are included. Students examine a wide variety of resources appropriate for K-12 students. *3 credits.*

EDST 6209 Computer Applications in the Bilingual Curriculum

Multimedia approach to bilingual curriculum development. The use of mass storage devices, such as CD-ROM and erasable optics, in the development of translation programs. The use of animation, such as illustration of action-verb structures through 3-D devices. Development of writing and editing processes with the aid of electronic media and interactive video disk applications in first- and second-language learning. *3 credits.*

EDST 6210 Microcomputing I

Emphasis on performance-based learning using Microsoft Office applications for word processing, spreadsheets and presentations. Introduction to Publisher and FrontPage for Web page development. *3 credits.*

EDST 6212 Microcomputing II

Advanced Microsoft Office applications for word processing, spreadsheets and presentations explored in depth. Introduction to database applications using Access. The computer as an effective tool is examined. *3 credits.*

EDST 6213 Access Database Application Development

Learn to manage information using a relational database. Gain the knowledge and expertise to develop simple to complex queries, data entry forms and reports. Database design and the importance of referential integrity are stressed. *3 credits.*

EDST 6214 Web Page Technologies

Design, create and publish a Web site using Microsoft FrontPage. Learn the tools and methodology necessary to create a content-rich Web site. Topics of copyright, assessment criteria and Web page structures are explored. *3 credits.*

EDST 6215 Computer Graphics and Animation

Learn to use graphic design software that enables you to create, manipulate and enhance graphic images suitable for various publications including the Web. Create your own Macromedia Flash movies. *3 credits.*

EDST 6216 Electronic Research Technologies

Advanced electronic research using computer-based and Internet accessible tools. Develop research skills and information discrimination techniques using electronic resources. Uncover the hidden Web. *3 credits.*

EDST 6221 In-Service Teaching Seminar I (In-service teachers)

In-service teachers meet weekly in a seminar designed to assist in the application of theoretical models of teaching, learning and classroom management. The teacher is observed by a college supervisor on a systematic schedule. The college supervisor and the teacher plan together for observed sessions in which specific skills and competencies are practiced. *3 credits.*

EDST 6222 In-Service Teaching Seminar II (In-service teachers)

In-service teachers meet weekly in a seminar designed to offer feedback to practicing teachers seeking to achieve competencies in planning classroom management. Teachers analyze and compare assessment methods and tests applicable to all subject areas. Prerequisite: EDST 6221. *3 credits.*

EDST 6223 Advanced Psychology of Childhood

Psychological development and problems of adjustment of the child from birth to adolescence. Techniques of studying children and recording behavior. Extensive reading in literature related to the major themes of the course. Discussion and reports, including case studies. *3 credits.*

EDST 6228 Seminar in Field Experience

Taken concurrently with student teaching; deepens perception of school and community issues. Focuses on objectives, materials, methods, and assessment of instruction organization and management of classrooms. Provides support for student teaching and other field-related activities. *3 credits.*

EDST 6229 Graduate Student Teaching

Provides one semester in an appropriate student teaching experience. The student integrates and connects models of teaching and subject matter in the classroom with the direct supervision of a cooperating teacher, a college supervisor and a seminar professor. Prerequisite: EDST 6228. *3 credits.*

EDST 6301 Literature for Children and Adolescents

Evaluating, selecting and using literature in print and electronic formats with children and adolescents. Emphasis on strategies for motivating children to read and integrating literature throughout the curriculum. *3 credits.*

EDST 6304 Production of Instructional Resources I

Design and development of a variety of computer-based and print resources to be used in a training or instructional setting. Preparation of materials is integrated with instructional design, lesson and unit planning, and the development of effective learning experiences. *3 credits.*

EDST 6305 Production of Instructional Resources II

Advanced design and development of a variety of computer-based and print resources to be used in a training or instructional setting. Preparation of materials is integrated with instructional design, lesson and unit planning, and the development of effective learning experiences. *3 credits.*

EDST 6306 Instructional Systems Design

Using a systematic approach, students will design, develop, evaluate and revise instruction to meet defined goals and objectives. Contemporary theories of learning become the framework and catalyst for the design process. *3 credits.*

EDST 6307 Integrating Curriculum and Technology

Learn how to integrate "good practice" with a technology-based curriculum. A broad range of computer-supported learning tools and new and emerging technologies are explored through an interactive approach. *3 credits.*

EDST 6308 Organizing and Administering Educational Media Centers

Explores the philosophy and role of the school library media program and the media specialist in promoting teaching and learning. Includes practical applications and research in the organization and operation of the library media center, budget preparation, grants, meeting needs of special clients, public relations, planning, standards for good service, national, regional and state guidelines and standards, management theories, policy development. *3 credits.*

EDST 6310 Practicum in Educational Media Services

This graduate-level internship involves a minimum of 150 clock hours working at an approved school/media center under supervision of a certified media specialist and college supervisor. This practicum involves observation and participation in all important aspects of school library administration, including selection and organization of materials; references and bibliographic services; curriculum development; and techniques of teaching library media skills. *3 credits.*

EDST 6314 Multimedia Technologies

Learn to design multimedia materials. Topics covered: scripting, use of audio and video tools, the Internet as a delivery tool, and computer-based training using Macromedia Director. *3 credits.*

EDST 6315 Technical Processes for Educational Media Resources

An analysis of the theory of classification and information systems, techniques for print and non-print cataloging with emphasis on Dewey Decimal, Library of Congress, Sears and Anglo-American Rules, practical application utilizing automated resources, and a survey of developments in information retrieval and other library applications of modern procedures in acquisition, circulation, management and periodical control. Course content stresses instruction and applies practice in descriptive cataloging and assignment of subject headings for school library media centers. *3 credits.*

EDST 6323 Community Relations

School as an integrating agency among other community services. School personnel and social leadership, lay participation in school activities, the influence and place of various civic and religious groups, the press, labor and management groups. *3 credits.*

EDST 6324 Human Relations

Theory and practice in the treatment and elimination of destructive human conflicts. Special reference to intergroup and intercultural problems in a period of changing social relations. *3 credits.*

EDST 6325 Psychological Foundations of Education

Advanced study of human personality. Cognitive and dynamic factors; learning and transfer, critical and creative thinking, motivation, emotion, volition, attitudes, individuality and sociality. *3 credits.*

EDST 6326 Advanced Psychology of Learning

Research in learning, motivation, individual differences, teaching methods and adjustment as applied to the learning process. Survey of major contemporary psychologists. *3 credits.*

EDST 6327 Mental Health: Personal and Professional

Basic principles of mental hygiene. Analysis of adjustment and behavior problems. Influence of physical, intellectual, emotional and moral factors in promoting mental health at various stages of life and in various helping relationships. *3 credits.*

EDST 6328 Critical Issues in Education

Analysis of specific and experiential problems in education within the context of current philosophical and psychological assumptions. *3 credits.*

EDST 6329-6331 Independent Study

For students who wish to design and conduct independent graduate research. Permission must be obtained from the participating faculty. Prerequisite: Approval of department chair. *1-3 credits.*

EDST 6336 Educational Psychology

Advanced scientific study of human personality. Cognitive and dynamic factors; learning and transfer, critical and creative thinking, motivation, emotion, volition, attitudes, individuality and sociality. *3 credits.*

EDST 6337 Foundations of Contemporary Education

Emphasizes significant historical, philosophical and educational movements. *3 credits.*

EDST 6343 The Whole Language Classroom

Develops an integrated, literature-based approach to teaching the language art; presents strategies for storytelling, read-alouds, dramatizations and book sharing; focuses on comprehension and appreciation of literature; stresses writing as a process; and develops techniques for portfolio and authentic assessment. *3 credits.*

EDST 6344 Seminar: Social, Ethical and Legal Issues in Technology

Social, ethical and legal problems associated with computer-based technologies will be explored, debated and researched, along with the means for reducing problems and coping with their effects. *3 credits.*

EDST 6345 Online Course Management and Delivery

Learn to design and build online course instruction for delivery via the Internet. Develop the tools to provide online instruction including creating an online environment, learning research

techniques, examining plagiarism and copyright issues, and planning overall online course management. *3 credits.*

EDST 6347 Special Projects in Technology

Develop a meaningful computer-based project using new and emerging tools. *3 credits.*

EDST 6348 Computer Networking Fundamentals

Learn the history and fundamentals of network design and cabling infrastructure, technologies, protocols, communications, and tools necessary to design and troubleshoot a network. *3 credits.*

EDST 6407 Introduction to Teaching

The daily realities, issues and aspirations of the teaching profession. Introduction to many facets of education; explores the profession of education, the structure and organization of schools, the legal and historical aspects, educational theory and philosophy, and schools for the next century. *3 credits.*

EDST 6408 Child Development and Curriculum

The development of the child - emotionally, cognitively, socially and morally - in order to make appropriate decisions about subject matter, curriculum goals and methods. Early childhood years from birth to age 8. Students study curriculum approaches for children in the early years such as Montessori, Piagetian, Head Start, play-oriented programs, etc. Child observation and study are included. *3 credits.*

EDST 6409 Styles of Teaching and Learning

Study of alternative relationships in the teaching-learning process. Course experiences will be guided by the "spectrum of teaching styles," a framework that delineates options in teaching and learning. Organizing students and subject matter; managing time, space and equipment; interacting with students; choosing verbal behavior; and creating cognitive connections with learners. *3 credits.*

EDST 6410 Social Studies Education

Addresses the goals and recommendations for social studies education to develop: (1) civic responsibility and citizen participation; (2) global perspective through an understanding of student's life experiences as part of the total human experience, past and present; (3) "critical understanding" of the history, geography and pluralistic nature of the civil institutions of the United States; (4) a multicultural perspective on the world's peoples through an understanding of their differences and commonalities throughout time and place, and (5) students' capacities for critical thinking about "the human condition." Field experience required. *3 credits.*

EDST 6411 Topics in Science Education

Prepares pre-service teachers to teach science progress, content and attitudes to elementary school children. The nature of science and scientific inquiry, knowledge and skills appropriate to various class levels and the impact of the background students and teachers bring to this endeavor on teaching and learning. Field experience assignments. *3 credits.*

EDST 6412 Topics in Mathematics Education

The curriculum goals, materials and activities of the elementary school math program. Emphasis on the Curriculum Evaluation Standards for School Mathematics (National Council of Teachers of

Mathematics). Math anxiety and its role in teaching and learning, and organization of the classroom for effective teaching. Field experience assignments connect theory with practice. *3 credits.*

EDST 6413 Topics in Language Arts and Literature

Major skill areas of language arts, including reading, listening, writing and speaking. The importance and application of language arts across the curriculum; methods for teaching reading, writing, spelling and listening; motivation, the development of positive attitudes towards reading and writing; and a love for literature. Field experience assignments. *3 credits.*

EDST 6414 Language Arts I: The Early Years

Focuses on teaching and acquisition of literacy in the early elementary years; develops knowledge of specific literacy skills such as phonics, sight words, oral reading fluency, reading comprehension, spelling and composition; presents techniques for teaching reading, writing, listening and speaking; develops knowledge of special corrective techniques; stresses an integrated skills approach, emphasizes motivation, the development of positive attitudes towards the language arts and a love of literature. Field experience required. *3 credits.*

EDST 6415 Methods of Teaching Mathematics I

Acquaints students with contemporary math curriculum standards for elementary math curricula and assessment, provides students with the opportunity to analyze the mathematics concepts essential for teaching elementary mathematics. Field experience required. *3 credits.*

EDST 6416 Language Arts: Upper Years

Focuses on teaching and acquisition of literacy in the upper elementary years; stresses techniques for improving vocabulary, comprehension and writing skills; develops knowledge of process writing and methods of assessing language arts performance, investigates the application of reading and writing to content area learning; develops knowledge of children's literature; underscores the importance of modeling, motivation and positive attitudes. Field experience required. *3 credits.*

EDST 6417 Methods of Teaching Science/Math II

Addresses problem solving as it relates to mathematics and science curriculum in elementary schools. Students become acquainted with classroom practice that focuses on both the national and New Jersey State Core Curriculum Standards. Students become conversant with contemporary science and math curriculum that emphasizes the application of problem solving concepts and strategies using manipulatives, exploring alternative mental processes, conducting research, collecting and reporting data and utilizing a hands-on, minds-on cooperative, interactive approach. Field experience required. *3 credits.*

EDST 6450 Successful Mainstreaming: Strategies for Inclusion

Designed to familiarize teachers with the rules and regulations that govern special education, and to explore the changes in how students with disabilities are being identified, placed and educated. In light of the trend toward inclusion, and increased mainstreaming of classified students, the course offers strategies for instructional modification, teaming, collaboration and management of diversity in the classroom. *3 credits.*

EDST 6455 Critical Thinking Across the Curriculum

Approaches, concepts, and strategies for teaching critical thinking. The implications of the didactic theory and critical thinking theory will be examined. *3 credits.*

EDST 6460 Contemporary Assessment Practices

Authentic assessment and techniques for use in the classroom will be explored. The essential elements of the classroom assessment process and alternative forms of evaluation will be analyzed. *3 credits.*

EDST 6465 Collaborative Learning

An effective model for educators in a variety of disciplines who want to integrate cognitive and interpersonal skills in the learning experience. Activities that examine group process and facilitate the application and management of collaborative pedagogy are explored within the context of the curriculum through an interactive approach. Students have the opportunity to model their new knowledge and skills. *3 credits.*

EDST 6504 Applied Linguistics

The issues and methodology of the teaching of a second language. Some of the major trends, such as contrastive linguistics and error analysis theories, are studied. Particular attention to the study of the process of second language development and the mechanisms associated with it such as interference and over generalizations, as well as salient hypotheses. *3 credits.*

EDST 6505 Teaching English as a Second Language I

Theory and practical techniques of teaching listening, speaking, writing and particularly reading to non-English-dominant bilingual persons. *3 credits.*

EDST 6506 Teaching English as a Second Language II

Continuation of EDST 6505. *3 credits.*

EDST 6551 Advanced Strategies of Teaching

Teaching techniques for transmitting skills, knowledge and understanding to students: lecture; discussion; heuristic approaches; educational trips; group projects; programmed, individualized, mediated, computer-assisted instruction. Motivation, guidance and classroom management. Evaluation of student programs. *3 credits.*

EDST 6552 Advanced Reading in Schools

Role of subject-matter teachers in improving reading skills. Techniques of assessing reading levels and interests and identifying skill deficiencies. Standardized and teacher-made tests. Development of individually prescribed remediation. Examination of varied study and teaching techniques and materials for use in instruction and remediation. *3 credits.*

EDST 6554 Child and Adolescent Psychology

Concentrates on the dynamics of human growth and development from infancy through adolescence. Guides the teacher into an understanding of the physical, psychological, emotional, social and moral problems encountered by children and youth. *3 credits.*

EDST 6555 English Language Arts

Adopts an integrated skills approach to teaching English; presents techniques for teaching various forms of composition; stresses the importance of process writing; develops strategies for teaching literature and applying reader response theory; focuses on computer applications; introduces portfolio and authentic assessment. *3 credits.*

EDST 6557 Secondary Science Methods

Examines interrelationships among the sciences, analyzes real world problems in each science field. Classes model essential strategies and practices while students actively engage building knowledge and skills necessary for teaching and learning secondary science, using state and national standards. *3 credits.*

EDST 6558 Secondary Mathematics Methods

Examines current curricular trends and practices in the teaching of secondary mathematics using state and national standards. *3 credits.*

EDST 6560 Language, Culture and Civilization

Issues of ethnographic communication and how variation of language codes and discourse relate to cultural differences and institutions. The intricate process of literacy acquisition and development in the first language, and the acquisition of biliteracy skills. *3 credits.*

EDST 6561 World Languages

Presents students with a current picture of modern language teaching and its place in society. Students learn a number of approaches to communicative language instruction and create lessons using these methods. Students practice presenting their lessons and learn to become reflective practitioners of their craft. *3 credits.*

EDST 6562 Social Education

Addresses how goals for social studies education are met in the secondary school. Competing rationales for the field are examined, and proposals for curriculum change are compared with the dominant patterns of instruction found in the classroom. Students examine, design and use materials available for teaching the essential skills and knowledge in social studies. Recognizing and identifying individual differences are discussed. *3 credits.*

EDST 6565 Curriculum and Assessment in Early Childhood Education

This course will provide a thorough introduction to the field of early childhood education. By examining influential and historical curricula, along with innovative current models, students will gain an awareness of the many components needed to create a successful early childhood program. Students will focus on the developmental layers of young children and how those stages are supported within the curriculum. Emphasis will be placed on establishing an appreciation and understanding of the specific techniques and behaviors used to design a developmentally appropriate program for children from birth to age eight that supports their diversity and broad range of learning styles. In addition, students will examine various methods of multidimensional, ongoing, and performance-based assessment for all aspects of the program. Active field experience will provide the students with opportunities to observe children as they acquire knowledge through exploration and play. *3 credits.*

EDST 6566 Family, Community, and School in Early Childhood Education

Through this course, students will gain an understanding of the partnership home and school share in the establishment of a successful learning environment for children. Students will examine social, cultural and ethnic differences within families in

order to gain an appreciation of the many diverse backgrounds that exist throughout the school population. Programs that support and involve parents will be researched so that students can become more familiar with the school's role and responsibility as an advocate of children. *3 credits.*

EDST 7001 Seminar: Education Research Methods

Review and critical evaluation of selected writings and research in education. Written appraisals concern research design, fundamental concepts, recent data and significant educational issues. Fully documented research paper, worthy of publication, may be required. (Formerly RESH 7001). Prerequisite: EDST 6002. *3 credits.*

EDST 7204 The Gifted Child

Examination of the criteria which identify gifted children. Materials, methods and programs for stimulating these pupils to satisfactory achievement, occasionally offered in special content areas such as reading, mathematics and science. *3 credits.*

EDST 7310 Ethical Issues in School and Society

Justice and the universal natural law as related to every aspect of education. Discussions focus on the most significant and fundamental moral issues in education today. *3 credits.*

EDST 7312 Current Issues in School and Society

Background, current status and proposals to address a variety of educational controversies. Past and present cycles of reform are considered, with attention given to issues such as governmental roles in education, financial reform, school choice, multicultural and bilingual education, teacher education, teacher empowerment, gender issues in education, moral development and education, and educational technology. *3 credits.*

EDST 7313 Catholic Education: Yesterday, Today, and Tomorrow

A history of the development of Catholic educational institutions and the values and circumstances that promoted their existence. The culture and norms of Catholic schooling are examined, as are the social and religious issues that impact the well-being. *3 credits.*

EDST 7314 Fostering Moral Development in the Classroom

This course examines and evaluates a variety of theories and approaches to fostering the moral development of children and youth primarily but not exclusively in a school setting. In addition, factors such as school climate, curriculum and instructional methods are analyzed as variables that can promote or inhibit moral development. *3 credits.*

EDST 7348 Online Course Design and Implementation

Design and develop a complete plan for building an online course for Internet delivery. Learn to create course modules, use facilitation and moderating techniques, design assessment, and develop a student centered online environment that encourages positive learning outcomes. *3 credits.*

EDST 7349 Internship in Information Technologies I

A field-based opportunity to gain professional experience in a work situation appropriate to career goals. Development of critical thinking and leadership skills while performing authentic tasks. *3 credits.*

EDST 7350 Internship in Information Technologies II

Students may take a second semester of a field-based opportunity to gain professional experience in a work situation appropriate to career goals. Development of critical thinking and leadership skills while performing authentic tasks. *3 credits.*

EDST 7501 Human and Intercultural Relations

Race, gender and ethnic relations in the historical perspective of the foundation of the United States as a nation. A critical review of theories of assimilation and the goals of a post-melting pot society for a new social order. *3 credits.*

EDST 7502 General Linguistics

Introduction to language and the analysis of some of the basic technical concepts of linguistics. Representative theories of grammar, the nature of grammatical rules, and the process of language standardization and the process of nonstandardized varieties. *3 credits.*

EDST 7505 Social Psychology of the Bilingual Child

The social psychology of bilingualism and bilingual behavior. Effects of bilingualism on intelligence and cognitive development. The effects of bilingual development and intelligence. The correlation between culture and styles of processing information, with attention to the differentiation of cognitive styles. Alternative learning and cognitive styles in the classroom. Cross-cultural counseling and its impact on strategies for helping the culturally different child. Language attitudes and their impact on academic achievement and intergroup relations. Acculturation stress and the impact on mental health of linguistic minorities. *3 credits.*

EDST 7506 Principles of Bilingual/Bicultural Education

The history of bilingualism in the United States. State and federal legislation; court decisions. Vernacular languages in education at the national and international levels. Types of bilingual communities. Models of bilingual instruction. Bilingual education methodology and educational rights of linguistic minorities. Instructional effectiveness of bilingual education programs. Cognitive and sociocultural effects of becoming bilingual. Evaluation of bilingual education programs and educational policy. *3 credits.*

EDST 7507 Bilingual Education: Theory and Practice Teaching Content Areas

Strategies in teaching the content-area subjects bilingually. Student placement and language proficiency; criteria of entry and exit. Lesson planning for the limited English proficient (LEP) student. Curriculum development and adaptation of materials for bilingual instruction in the content areas. Curriculum modules and planning. Career infusion of the bilingual curriculum. Ethnic infusion of bilingual curriculum. Testing in the bilingual content areas. Teacher competencies and training in the content areas. *3 credits.*

EDST 7510 Secondary Education Curriculum Design and Implementation

Historical and philosophical foundations of Secondary Education curriculum design, the social forces affecting curriculum decisions and the process of curriculum improvement. The process of curriculum improvement, the different participants involved and the impact of curriculum improvement on staff development and student learning. Strategies used in curriculum development are studied as well as the evaluation of outcomes. *3 credits.*

EDST 8207 Selected Topics of Reading Instruction

Topics for the semester to be chosen by professor and students to coincide with their mutual interests. *3 credits.*

EDST 8225 Children's Rights: Legal and Psychological Implications

For students in counseling, administration, public administration and education. How criminal, civil and family proceedings such as divorce, custody, juvenile law, rights of special children, children's competence to consent and to testify, interact with educators and clinicians. The Constitutional rights of children; the role of psychological and educational evaluations in litigation; and ethical and legal implications relevant to privileges and confidentiality and court testimony procedures. *3 credits.*

EDST 8303 The American Ethos of Education

Principles and practices that distinguish educational institutions in the United States. Research into American educational traditions and philosophy beginning with their emergence in such political documents as the Declaration of Independence and the Constitution. Evaluation of the consequences of present-day interpretations and applications. *3 credits.*

EDST 8501 Graduate Teaching Internship

Teaching internship requires full-time daily participation in a school situation. Orientation to teaching with guidance during intern teaching assignment. Deepens the teacher's perception of school and community health problems, the teaching-learning process and teaching methods. Focuses on problems encountered in teaching and implements suggestions of cooperating and supervising teachers. Prerequisites and regulations concerning student teaching. *6 credits.*

EDST 8502-8503 Graduate Supervised Teaching Seminar I-II – Secondary

Deepens perceptions regarding school and community health problems, the teaching-learning process and teaching methods. Problems encountered in teaching; implements suggestions of the authorities in the assigned school and the supervising teacher. Prerequisite: Agreement of employing superintendent of schools or private school principal to enter into a program of supervised teaching with the University for two semesters. *3 credits.*

EDST 8507 Field Experience

Structured exposure to educational environment. Designed to involve students immediately in the school situation as a teacher aide, supervising and instructing students and in performance of professional and classroom duties. Prerequisite: departmental approval. *3 credits.*

EDST 8511 Field Experience in Bilingual/Bicultural Education

Cross-cultural experiences through the bilingual classroom setting. Involvement in learning bilingual teaching strategies and classroom management procedures; specific emphasis on teaching content area subjects bilingually. Introduction to the educational applications of ethnographic interviews. Ethnographic report submitted at the end of the course. *3 credits.*

EDST 9502 Research Seminar

Designed as an introduction to ethnographic research methodology, this course has students investigate how the cultural relations of community work. Case studies are analyzed throughout the

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course based upon intensive ethnographic interviews of selected informants. Analysis of the various steps of ethnographic research include data gathering, analysis of ethnographic data and interpretation. Results of the research project are presented in a final written report. The seminar is considered a culmination of graduate studies and quality control for the graduate experience. *3 credits.*

EDST 9503 Curriculum and Readings in the Selected Field of Study

Nature of curriculum and the need for curricular synthesis; focus on materials, methods, research and current developments relating to the specialized fields; investigation of curriculum construction and evaluation in the specialized field. *3 credits.*

EDST 9504 Problems and Issues in Secondary and Post-Secondary Teaching

Study of pertinent problems of educators. Seminar work relevant to candidate's selected area of investigation. *3 credits.*

EDST 9505 Sociolinguistics and Bicultural Education

Social aspects of speech, problems of variation in language, dialects, bilingualism and diglossia, code-switching, pidginization, creolization and other fundamental sociolinguistic concepts. Some problems of language policy, language planning and sociolinguistic issues of bilingual education. *3 credits.*

EDST 9506 Psycholinguistics and Bilingualism

Topics in linguistics and psychology relevant to first and second language acquisition, including reading and writing skills. The interrelationship among language, culture, thought and comprehension. Bilingual and bicognitive development both in children and adults. Prerequisites: (1) Two linguistics courses, including applied linguistics; and (2) TESL II or Foundations of Bilingual Education or a course in cognitive psychology. *3 credits.*

EDST 9511 Culminating Research Project

A continuation of EDST 9502 using an expanded research design. The course is intended for students pursuing the Ed.S. Degree. *3 credits.*

Integrating Core Studies

The following advanced graduate seminars are basic for College of Education and Human Services programs beyond the master's degree. They specialize in contemporary interdisciplinary and research studies fundamental to all helping professions and graduate studies from different departments.

EDST 9301 The History of Education in America

Study of the reciprocal relationship between educational theory and practice and the historical development of American society; special emphasis given to analysis of competing educational perspectives, goals and accomplishments of educational reforms, origin of teaching practices and evolution of educational institutions. *3 credits.*

EDST 9302 Socio-Psychological Domain of Education

Sociopsychological domain of education and the helping professions: professed and hidden psychological assumptions or belief systems operative through the objectives, agencies, curricula and

methods of instruction and guidance prevalent in American helping institutions; review of the contributions made by major psychologists and their value in enriching life experiences. *3 credits.*

EDST 9303 Sociological Thought in Education

Educational implications of modern sociological thought and research; changing patterns of society and culture; the ideals of the American democratic lifestyle; individual and group lifestyles. *3 credits.*

EDST 9304 Philosophic Perspective in School and Society

This course examines and evaluates selected educational theories resulting from competing answers to philosophical questions about the purpose of human life, the nature of a good society, the definition of knowledge, and the pursuit of individual and collective morality. *3 credits.*

EDST 9306 Culminating Research Seminar/Project

Preparation of research or project under the guidance of a University mentor and faculty committee. Completed projects shared for exchange of ideas and information with other Ed.S. candidates before final acceptance by the department. Prerequisite: completion of all course requirements. *3 credits.*

Health Professions Education Courses Offered at UMDNJ

HPED 5110 Health Services Issues and Trends

Selected professional and policy issues affecting the present and projected healthcare delivery system. Issues concerning healthcare personnel, patients, healthcare technology, organizational structures and facilities, finance mechanisms, and the role of government are stressed in relation to how they influence healthcare services and delivery. *3 credits.*

HPED 5140 Teaching in the Health Professions

An analysis of the role of the health professional teacher in planning, development, management and evaluation of instruction. Emphasis is placed on the selection and implementation of teaching strategies and assessment methods according to the goal(s) of instruction, and the application of current research on student development of ability-based outcomes. *3 credits.*

HPED 5210 Curriculum Development in Health Professions Education

An intensive study of the basic principles and procedures used in the development of health professional curricula. Current research on learning theory applicable to curriculum construction is stressed. Emphasizes mechanisms to integrate didactic and clinical education components of health professions educational programs. *3 credits.*

HPED 5240 Planning and Administering Health Professions Education Programs

An exploration of the practical aspects of administering health professions educational programs to include: planning; organizing; staffing; marketing; student recruitment, selection and retention; and program accreditation. Additional focus will be given in planning and administering in-service training, staff development and continuing professional education programs. *3 credits.*

HPED 6100 Professional Values and Healthcare Ethics

The application of human and professional values and choices to healthcare practice and education. Traditional and contemporary perspectives focus on ethical approaches to dilemmas stemming from client/practitioner relationships, institutional constraints to health care, the rights of patients, public policy and healthcare delivery, and related issues. *3 credits.*

HPED 6200 Current Concepts in Healthcare Practice

The shared roles and responsibilities of various health professional groups in diverse work settings. Topics vary according to recent developments and trends in healthcare practice. Topics may include (but are not limited to) human values in therapeutic interaction, care of the terminally ill, care of the elderly, the impact of technology on practice patterns, legal implications of healthcare practice, health promotion and maintenance, patient-provider interactions and others. *3 credits.*

HPED 6300 Topics in Health Professions Education

An analysis of selected topics, problems or issues relative to education in the health professions. Topics may include (but are not limited to) integrating technical and humanistic curricular components, continued learning in professions, computers and instructional strategies, school law, clinical education, instructional media development, research in health profession education, and minority and gender issues relative to student recruitment and others. *3 credits.*

HPED 6400 Topics in Health Professional Leadership

An exploration of various selected topics to facilitate individual development of leadership skills while providing a background in the practical aspects of management and administration of educational, government or healthcare agencies. Topics may include (but are not limited to) human resource management, fiscal planning and accounting, grantsmanship, quality assurance mechanisms, risk management and others. *3 credits.*

HPED 6500 Independent Study in Health Care

Directed inquiry into a problem of practical or theoretical importance to healthcare delivery or health professions education. *3 credits.*

HPED 6600 Practicum in Health Professions Education

A directed field experience designed to provide teaching administrative or clinical internships in education, government, and healthcare agencies and facilities. The type of internship and agency assigned depends on the student's background and career goals. Seminars are required as a part of the practicum experience. *3 credits.*

College of Nursing



Caroline DiDonato Schwartz College of Nursing Building
(973) 761-9306
nursing.shu.edu

Dean: Phyllis Shanley Hansell, Ed.D., R.N., F.A.A.N.
Associate Dean: Barbara Wright, Ph.D., R.N.
Associate Dean for Basic Nursing Programs: Linda Ulak, Ed.D.
Associate Dean for Graduate Programs and Research: Wendy Budin, Ph.D., R.N.
Assistant to the Dean: Joanne McElwee
Director, Multipurpose Lab: Marilyn Lovasi, R.N.
Director, Learning Resources: Mark Pappiani
Director, Recruitment: Mary Jo Bugel, M.A., R.N.
Director, Special Projects: Leona Kleinman, Ed.D., R.N.

Faculty: Camillo; Dellert; Gray-Miceli; Hansell; C. Kleinman; L. Kleinman (*Chair*); Lord-Stout; Snyder.

Accreditation

The Master of Science in Nursing and the Master of Arts in Nursing Education are accredited by the Commission on Collegiate Nursing Education and the National League for Nursing Accrediting Commission.
For further information contact:

Commission on Collegiate Nursing Education
One Dupont Circle, NW, Suite 530
Washington, D.C. 20036-1120
(202) 887-6791

and
The National League for Nursing Accrediting Commission
61 Broadway
New York, NY 10006; (212) 363-5555

The College of Nursing offers nine 30-46 credit majors leading to the Master of Science in Nursing degree. Areas of concentration include Health Systems Administrator; Advanced Practice Nurse: Acute Care Nurse Practitioner; Pediatric Nurse Practitioner; School Nurse Practitioner; Adult Nurse Practitioner; Gerontological Nurse Practitioner; Women's Healthcare Nurse Practitioner; and Nursing Case Management.

Graduates are prepared to function both independently and interdependently with other members of the health delivery system and with consumers of nursing service. A base for continued inquiry and contributions to the art and science of nursing is provided, as are the knowledge and skills to exert a leadership role in the formulation of healthcare policy. The program is preparatory to doctoral study.

The College also offers a 30-credit Master of Arts in Nursing Education for nurses who hold a Master of Science in Nursing. The M.A. in Nursing Education program also can be completed in combination with any of the clinical specialization programs offered by the Department of Graduate Nursing.

Five certification programs are offered: a School Nurse Certification program of 30 credits; a 12 credit graduate-level certificate in Nursing Administration; a 12-credit, graduate-level certificate in Nursing Case Management; a 6-credit Lamaze International Childbirth Educator Certification Program; and a post-master's 28-34 credit certification program for nurse practitioners.

Seton Hall University's College of Nursing and the Stillman School of Business have joined to offer a dual degree M.S.N., Health Systems Administration/Master of Business Administration (M.B.A.).

Historical Overview

Nursing courses were first offered by Seton Hall University in 1937 with an enrollment of eight students. Each of these students received a bachelor's degree in nursing education in 1940, at which time the School of Nursing Education was organized as an autonomous division. From this small beginning the College of Nursing has now grown to serve about 400 students annually.

Seton Hall University continued to recognize the complexity of modern healthcare delivery and the educational preparation needed to meet these challenges by initiating a graduate program in nursing in September 1975. It is fully accredited by the National League for Nursing Accrediting Commission and the Commission on Collegiate Nursing Education.

Philosophy

The fundamental purpose of graduate education in nursing is to prepare advanced practitioners who are proficient in a specialized area of nursing. The faculty believes that expertise in a specialized area of advanced nursing practice is crucial to competence in a role and that clinical proficiency may be achieved only through role actualization.

Graduate-level courses prepare graduates for advanced-role development through courses, including natural and behavioral sciences, nursing theory, research, cognates and clinical and functional practice. The master's education includes knowledge and practice for advanced-role development in the areas of administration, education and/or clinical specialization. The student uses the scientific method to refine, test and promote the use of research-based practice.

The faculty believe that graduate students in nursing initiate, as well as contribute to, change directed toward improving the quality of nursing care, education and administration. They develop skills in analyzing the economic forces of health care and influencing the sociopolitical process as a means of affecting health care at local, national and global levels. Master's graduates are prepared to assume leadership in a specialized area and function collaboratively to achieve advancement in nursing practice and healthcare delivery. They also have acquired advanced skills in verbal and written professional communications, using appropriate technological resources.

The aims of graduate education are achieved in an educational environment with diversity of educational and technological resources and professional experiences, which foster creativity in inquiry. Collegial relationships among students and faculty are encouraged in an atmosphere that fosters independence, continued development of critical thinking skills and self-actualization. Graduate education provides for continued professional development and serves as a base for doctoral education in nursing.

Based on this philosophy, the purposes of the graduate nursing program are as follows:

1. to prepare practitioners in nursing who are proficient in an area of advanced practice; and
2. to provide graduates with the foundation for doctoral study.

The purposes of the graduate nursing program stated above, as well as the stated philosophy, are the basis for development of the following objectives of the master's program. At the conclusion of the programs, the students will:

1. demonstrate expertise in a specialized area of nursing knowledge;
2. apply advanced theoretical knowledge from the sciences, humanities and nursing to a specialized area of advanced nursing practice;
3. demonstrate competence in a chosen functional role (i.e., nursing educator, nursing administrator, clinical nurse specialist, nurse practitioner or nursing case manager);
4. apply research knowledge and skills to investigate systematically the nature of health and nursing practice;
5. provide leadership in interdisciplinary practice for the purpose of establishing and maintaining high standards of nursing and health care;
6. serve in a consultative role both within the healthcare delivery system and to consumer and legislative bodies concerned with health care;
7. evaluate health issues and healthcare delivery systems and their implications for the profession and for nursing practice;
8. exert a positive force on healthcare delivery by initiating and supporting changes that are in the best interests of the profession and the consumer;
9. function proficiently as a facilitator and advocate in mobilizing clients towards optimum health; and
10. exemplify a continuing commitment to a system of personal and professional values consistent with the American Nurses' Association Code of Ethics and Standards of Clinical Nursing Practice.

“And what nursing has to do is to put the patient in the best condition for nature to act upon him.”

FLORENCE NIGHTENGALE

Academic Information

Admission Requirements:

- a baccalaureate degree with a major in nursing from an N.L.N. accredited program;
- a cumulative “B” average, plus a “B” average in nursing courses;
- registered professional nurse licensure in state of practice;
- a statement of professional goals;
- professional liability insurance;
- satisfactory scores on the Miller Analogies Test or Graduate Record Exam;
- letters of reference (one professional, one academic); and
- health clearance prior to beginning clinical courses.

It is highly recommended that for admission to the practitioner track applicants have a minimum of at least one year of nursing experience.

Academic Prerequisites

The following areas of undergraduate study must be completed prior to or concurrent with the first graduate course in nursing and are not credited toward the graduate degree: Statistics, Nursing Research (if undergraduate program was completed prior to 1982) and a basic physical assessment course for nurse practitioner students, completed no more than 3 years prior to enrolling in Practicum I.

Status of Students

Matriculated students may take up to six years to complete the requirements. Nonmatriculated students may not take more than 6 graduate credits and are required to make application to the program upon completion of 3 credits. Nonmatriculated students may enroll in NURS 6123 Nursing Theory and/or NURS 6124 Forces in Health Care prior to application (enrollment in any other course must be approved by the chair).

Leave of Absence

Requests for a leave of absence should be sent to Enrollment Services with a copy to be sent to the chair and the student's adviser. Upon return to the University, the student must notify the chair of the Department of Graduate Nursing.

Student Organizations

The Graduate Nursing Students' Association serves as a forum for the professional and social activities of the graduate nursing students and promotes the networking so essential to leadership within a profession.

Graduate nursing students also are eligible to apply for membership in the Gamma Nu chapter of Sigma Theta Tau International, the nursing honor society. The Gamma Nu chapter presents scholarly programs throughout the academic year and also sponsors an annual research day. The honor society serves as a positive vehicle for dialogue among nurse scholars.

Degree Requirements

For the Master of Science degree, satisfactory completion of 30-46 credits in the following areas is required:

	Credits
Theoretical Basis for Advanced Nursing Practice	3
Healthcare Issues	3
Nursing Research	6
Didactic Nursing Courses	6-13
Clinical Nursing Courses	6-15
Support Courses	6
Electives	0-6
Total:	36-46

Nine to 12 credits per semester constitute a full-time load. Students enrolled with 6 credits of which at least 3 credits are clinical are considered full-time students. Normal full-time progression through the program requires a minimum of four semesters. Part-time students may take up to six years to complete the requirements. If the program is not completed in six years, students must apply for an extension. Students' programs will be revised, as necessary, to meet current degree requirements.

Clinical Instruction

Clinical instruction in all majors of the graduate program follows the preceptorship model. At sites serving as placements for development of students' clinical and functional role expertise, agency personnel collaborate with the faculty in identifying master's and doctorally prepared personnel within the agencies who serve as onsite preceptors. Under this collaborative mode of instruction, students' learning experiences are guided and enhanced by the faculty members who have primary responsibility for students' progress. The preceptors may include nurses, physicians or members of other disciplines with whom the nurse educator, administrator or advanced practice nurse interacts. The onsite preceptors are invaluable in helping each student to identify and take advantage of the learning opportunities available within an institution.

Selected Academic Policies of the Department of Graduate Nursing

Add/Drop Policy: Clinical Nursing Courses. A student is not permitted to change from one clinical course to another once the semester has started.

Academic Standards

1. The following academic standards apply to all students enrolled in the Master of Science in Nursing or the Master of Arts in Nursing Education programs.

A. Students are required to maintain a cumulative grade point average of at least 3.0 for all nursing and non-nursing courses.

B. Students receiving any of the following combinations of a "C+" or lower will receive official notification from the graduate chair stating they are not in good academic standing.

1. Three credits of "C+" or lower in clinical courses.
 2. Six credits of "C+" or lower in non-clinical courses.
- If students earn another three credits of "C+" or lower, their status will be reviewed for dismissal from the program. Students are required to see their advisers immediately upon receiving notification.

C. Students receiving any of the following combinations of a "C+" or lower will be reviewed for dismissal from their program.

1. Six credits of a "C+" or lower in clinical courses.
2. Nine credits of a "C+" or lower in non-clinical courses.
3. Any grade combination of "C+" or lower totaling 9 credits.

2. The following academic standards apply to students enrolled in the post-master's certificate programs.

A. Students are required to maintain a cumulative GPA of at least 3.0 in all nursing and non-nursing courses.

B. Students who receive a grade of "C+" or lower in any course will receive official notification from the graduate chair stating that they are not in good academic standing and if they earn another 3 credits of "C+" or lower, their status will be reviewed for dismissal from the program. Students are required to see their advisers immediately upon receiving notification.

C. Students receiving "C+" or lower in two or more courses will be reviewed for dismissal from the program.

3. Students who wish to change their nursing major within the graduate programs must consult with the program director from the current program and the program director from the desired program. The program directors send their recommendations to the department chair who will make the decision of eligibility for transfer and notify the student of the conditions of such transfer.
4. Registering for a course during preregistration does not assure admission into the course.

Financial Aid

In addition to aid available through Enrollment Services, full-time graduate nursing students are eligible to apply for the following aid through the Department of Graduate Nursing.

Federal Nurse Traineeships

These awards cover a substantial proportion of the students' tuition expenses. Any matriculated nursing student is eligible. The department chair will supply the requirements for this award.

Veterans Administration Health Professional Scholarship Program

Scholarship awards available to full-time students pursuing graduate preparation in gerontology. The scholarships are part of a competitive federal program that makes awards that provide for the payment of a monthly stipend, tuition, fees and other reasonable educational expenses, including books and laboratory expenses. In return for each year of award, scholarship recipients must agree to serve one year as full-time Veteran Administration employees in the Department of Medicine and Surgery with a minimum service obligation of two years.

Faculty Preparation

Faculty in the Department of Graduate Nursing hold advanced degrees in nursing. The majority of the faculty possess an earned doctoral degree and are actively engaged in post-doctoral research.

Faculty seek to disseminate nursing knowledge through the provision of consultation as NLN accreditation visitors and through many scholarly presentations at the state and national level. They also promote scholarship through their publications and service on the editorial boards of refereed journals.

In keeping with the College of Nursing's belief in the importance of active involvement in professional and community activities, many members of the College of Nursing faculty and administration are active with and hold positions of leadership in professional organizations such as the American Nurses' Association, the New Jersey State Nurses' Association, the National League for Nursing, the New Jersey League for Nursing and specialty organizations.

In addition, the clinical faculty are certified in their areas of practice, exemplifying the College's belief that excellence in teaching demands expertise in practice.

Learning Resources

The College is the primary site for the students' didactic instruction with one of the finest physical facilities available to a school of nursing anywhere in the country. The College has its own building, with classrooms designed to accommodate various class sizes and teaching strategies, such as seminar rooms, small to large classrooms and an amphitheater seating 150 people.

The College has a large media and learning resources center with extensive audiovisual holdings and a state-of-the-art computer laboratory. The College also has a sophisticated Multipurpose Learning Laboratory equipped with a full range of physical examination and treatment equipment, as well as audiovisual materials. Students use the laboratory to acquire their initial preparation in advanced physical and psychosocial assessment skills.

A wide variety of clinical sites are used to prepare students with the advanced nursing knowledge and skills necessary for their roles as educators, administrators or advanced nurse practitioners.

Lab Fees

Students enrolled in Practicum I will be assessed a laboratory fee of \$100.

M.S.N., Health Systems Administration

The Program

Nurse executives require the sound clinical knowledge and business skill necessary to function effectively within today's integrated healthcare delivery systems. Students will be taught organizational and financial management perspectives on organizations that provide services through horizontal and vertical integration initiatives throughout the continuum of care. Graduates will be fully prepared to advocate for and direct the provision of high quality patient care while at the same time addressing realities of the costs.

The M.S.N. in Health Systems Administration focuses on the new sets of skills demanded by today's healthcare environment: teamwork, global thinking, multitasking, creativity and flexibility. Along with clinical expertise, students learn to be responsive to the needs of multiple constituencies from patients to physicians in a multidisciplinary environment that integrates the latest technology into the strategic planning process. Students are empowered with the requisite management skills to be the leading healthcare decision-makers of the new century.

Curriculum Plan

Fall		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6224	Nursing Systems Administration	3
NURS 6304	Case Management I	3

Spring

NURS 6124	Forces in Health Care	3
NURS 6305	Financial/Operations Management	3
NURS 6306	Legal and Risk Management Issues in Health Care	3

Summer

NURS 7307	Managed Care and Reimbursement Systems	3*
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Fall

NURS 7141	Research I	3
NURS 7310	Managerial Internship	3*

Spring

NURS 7143	Research II	2
NURS 7144	Research Colloquium	1
NURS 7308	Executive Internship	3*

Total: 33

* Denotes clinical course.

M.S.N., Health Systems Administration/ Master of Business Administration, M.B.A.

The Program

Seton Hall University's College of Nursing and the Stillman School of Business, both recognized leaders in their fields, have joined to offer nurses the clinical knowledge and business skills needed to function effectively within today's integrated healthcare delivery systems. Graduates receive both an M.S.N. (Master of Nursing, Health Systems Administration) and an M.B.A. (Master of Business Administration). As nurse executives, they will be fully prepared to advocate quality patient care while at the same time addressing administrative issues.

The M.S.N. in Health Systems Administration focuses on the new set of skills demanded by today's healthcare environment: teamwork, global thinking, multitasking, creativity and flexibility. Along with clinical expertise, students learn to be responsive to the needs of multiple constituencies from patients to physicians. The M.B.A. provides a newly revised multidisciplinary environment integrating the latest technology into the strategic planning process. Students are empowered with the requisite management skills to be the leading healthcare decision makers of the new century.

The combined M.S.N./M.B.A. program offers both full-time and part-time options to meet the needs and time constraints of nurse professionals. Students will take 24 credits within the College of Nursing and 30 credits within the School of Business. Full-time students can complete the M.S.N. and M.B.A. in two years. A part-time option allows students to complete the M.S.N. and M.B.A. in as few as 36 months.

The Faculty

Faculty members at the College of Nursing and Stillman School of Business include distinguished educators and prolific researchers who bring real-world management perspectives to the learning environment. Students receive truly individualized personal attention, as well as supportive career direction and guidance. All students will be assigned to the program director of the M.S.N./M.B.A. program as their academic adviser.

Curriculum Plan**Semester I - Fall**

		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6124	Forces in Health Care	3
NURS 6224	Nursing Systems Administration	3

Semester II - Spring

NURS 6305	Financial/Operations Management of Integrated Delivery Systems	3
NURS 7310	Executive Internship in Health Systems Administration	3

Summer Session

NURS 7307	Managed Care and Reimbursement Systems	3
BMGT 7960	Special Topics in Management	3
BMBA 8105	Nursing Pre-qualification Sequence	0

Semester III - Fall

BMBA 9101	Decision Making I	4
BMBA 9102	Decision Making II	4
BMBA 9202	International Perspective	2

Semester IV - Spring

BMBA 9103	Financial/Accounting and Legal Considerations	4
BMBA 9104	Human Interaction and Market Orientation	4
BMBA 9306	Management and Application of IT	2

Summer Session

NURS 7141	Research I	3
Guided Electives		5

Semester V - Fall

NURS 7143	Research II	2
NURS 7144	Research Colloquium	1
BMBA 9400	Business Policy	2

Total: 54

Note: courses in italics will be taken in the School of Business; all other courses will be taken in the College of Nursing.

M.A. Program in Nursing Education and Combination M.S.N./M.A. Program

The Graduate Nursing Department offers a Master of Arts in Nursing Education to prepare nurses who have already completed a master's degree in advanced practice for positions in educational settings that include the following: in-service education, continuing education and higher education.

The M.A. in Nursing Education can be completed in combination with any of the advanced practice programs offered at Seton Hall, or following the completion of any NLN-accredited master's program in which the applicant majored in an advanced practice specialization. The combination M.S.N. and M.A. program requires completion of a total of 62 credits. Additional courses may be required depending upon the specialty selected.

M.A. in Nursing Education Degree Requirements

Semester I		Credits
CLLB 6234	Foundations and Practices of Higher Education	3
	Guided Elective	3
NURS 6231	Teaching Methodologies	3
NURS 7241	Curriculum Structure and Development in Nursing	3
	Elective	3
Semester II		
	Computer Elective	3
CLLB 6441	Measurement and Evaluation	3
NURS 7355	Final Role Practicum in Nursing Education	3
	Role Support Course	3
	Support Course	3
Total: 30		

Electives for Nursing Education Majors

Electives must be approved by the adviser.

Suggested role support courses:

CPSY 6505	Principles of Learning and Behavior Modification	3
EDAS 6666	Supervision of Instruction and Evaluation	3
EDAS 6761	Finance in Administration	3

M.S.N./M.A. Combination Program Sample Curriculum

The following is a sample program for the primary healthcare (adult nurse practitioner) track. Adjustments are made for other tracks.

Semester I		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6223	Health Promotion Across the Life Span	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7333	Graduate Nursing Practicum I	3

Semester II

NURS 6124	Forces in Health Care	3
NURS 6415	Clinical Pharmacology	3
NURS 7235	Clinical Decision Making	3
NURS 7243	Primary Health Care: Older Years	3
NURS 7343	Graduate Nursing Practicum II	3

Semester III

CLLB 6234	Foundations and Practices of Higher Education	3
NURS 6231	Teaching Methodologies	3
NURS 7246	Advanced Primary Health Care: Older Years	3
NURS 7356	Graduate Nursing Practicum III	3

Semester IV

CLLB 6441	Measurement and Evaluation	3
NURS 7142	Nursing Research I	3
NURS 7363	Graduate Nursing Practicum IV	3
	Computer Elective	3

Semester V

NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7241	Curriculum Structure and Development in Nursing	3
NURS 7355	Final Role Practicum in Nursing Education	3
NURS 7453	Advanced Professional Role Enactment	3

Total: 62

Primary Healthcare Nurse Practitioner

Students selecting the nurse practitioner major are prepared as providers of primary health care to younger, older age groups, or women. Students in the adult and aged (older) track focus on primary prevention and the management of acute minor or stabilized chronic illnesses.

An introductory physical assessment course is required within three years of beginning Graduate Nursing Practicum I.

Students enrolled in the younger track providing health care to children may: (1) have a focus on the maintenance and promotion of health and the management of children with minor, acute and/or chronic illness in ambulatory care settings; or (2) focus on the maintenance and promotion of health of the school-age population with emphasis placed on the assessment and management of children with disorders that impede the learning process.

Students in the women's health track will manage preventive health care for women; assess and manage common acute illness, pregnancy and common gynecological problems.

There are two major emphases of role preparation: (1) to develop expertise in the provision of primary health care; and (2) to develop leaders for interdisciplinary health care. Students complete courses in advanced nursing practice, where they develop skill in making independent clinical judgments, as well as participate in experiences involving peer review; client advocacy, the development of collaborative, interdisciplinary relationships and role negotiation. Clinical instruction is carried out by nurse/physician teams that actively model collaborative practice behaviors. This model of instruction allows the student to

see the complementary roles of the advanced practice nurse and the physician and demonstrates the unique contributions of nursing to the care of clients. Students in the school nurse practitioner track must be certified as school nurses prior to starting the program.

A minimum of 43 credits is required.

The requirements are as follows:

	Credits
Nursing Theory	3
Healthcare Issues	3
Nursing Research	6
Didactic Nursing Courses	6
Clinical Nursing Courses	12
Support Courses	10
Electives	3
Total:	43

Curriculum plans for the four-semester sequence are as follows:

Curriculum: Younger Years

(For full-time majors in Primary Healthcare – School Nurse Practitioner)

Semester I		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6223	Health Promotion	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7334	Graduate Nursing Practicum I	3

Semester II		Credits
NURS 6415	Clinical Pharmacology	3
NURS 7235	Clinical Decision Making	2
NURS 7242	Primary Health Care: Younger Years	3
NURS 7344	Graduate Nursing Practicum II	3

Semester III		Credits
EDST 6018	Support Course	3
NURS 7141	Nursing Research I	3
NURS 7244	Advanced Primary Health Care: Younger Years	3
NURS 7357	Graduate Nursing Practicum III	3

Semester IV		Credits
NURS 6124	Forces in Health Care	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7364	Graduate Nursing Practicum IV	3
NURS 7453	Advanced Professional Role Enactment	2
Total:		46

Curriculum: Younger Years

(For full-time majors in Primary Healthcare – Pediatric Nurse Practitioner)

Semester I		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6223	Health Promotion	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7334	Graduate Nursing Practicum I	3

Semester II

NURS 6415	Clinical Pharmacology	3
NURS 7235	Clinical Decision Making	2
NURS 7242	Primary Health Care: Younger Years	3
NURS 7344	Graduate Nursing Practicum II	3

Semester III

NURS 7141	Nursing Research I	3
NURS 7244	Advanced Primary Health Care: Younger Years	3
NURS 7357	Graduate Nursing Practicum III	3

Semester IV

NURS 6124	Forces in Health Care	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7364	Graduate Nursing Practicum IV	3
NURS 7453	Advanced Professional Role Enactment	2
Total:		43

Curriculum: Older Years

(For full-time majors in Primary Healthcare – Adult Nurse Practitioner)

Semester I		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6223	Health Promotion	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7333	Graduate Nursing Practicum I	3

Semester II

NURS 6415	Clinical Pharmacology	3
NURS 7235	Clinical Decision Making	2
NURS 7243	Primary Health Care: Older Years	3
NURS 7343	Graduate Nursing Practicum II	3

Semester III

NURS 7141	Nursing Research I	3
NURS 7246	Advanced Primary Health Care: Older Years	3
NURS 7356	Graduate Nursing Practicum III	3

Semester IV

NURS 6124	Forces in Health Care	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7363	Graduate Nursing Practicum IV	3
NURS 7453	Advanced Professional Role Enactment	2
Total:		43

Curriculum: Older Years

(For full-time majors in Primary Healthcare – Gerontological Nurse Practitioner)

Semester I		Credits
NURS 6123	Theoretical Basis for Advanced Nursing Practice	3
NURS 6223	Health Promotion	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7333	Graduate Nursing Practicum I	3

Semester II		
NURS 6124	Forces in Health Care	3
NURS 7235	Clinical Decision Making	2
NURS 7243	Primary Healthcare Theory: Older Years	3
NURS 7343	Graduate Nursing Practicum II	3

Semester III		
NURS 6415	Clinical Pharmacology	3
NURS 7141	Nursing Research I	3
NURS 7246	Advanced Primary Health Care: Older Years	3
NURS 7356	Graduate Nursing Practicum III	3

Semester IV		
NURS 6221	Health Concepts for Aging	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7363	Graduate Nursing Practicum IV	3
NURS 7453	Advanced Professional Role Enactment	2
		Total: 46

Curriculum: Women's Health

(For full-time majors in Primary Healthcare Sub: Women's Healthcare Nurse Practitioner)

Semester I		Credits
NURS 6123	Nursing Theory	3
NURS 6223	Health Promotion	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7332	Graduate Nursing Practicum I	3

Semester II		
NURS 6415	Clinical Pharmacology	3
NURS 7235	Clinical Decision Making	2
NURS 7240	Primary Healthcare of Women	3
NURS 7450	Graduate Nursing Practicum II	4

Semester III		
NURS 7141	Nursing Research I	3
NURS 7249	Advanced Primary Healthcare Theory: Women's Health	3
NURS 7451	Graduate Nursing Practicum III	4

Semester IV		
NURS 6124	Forces in Healthcare	3
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7452	Graduate Nursing Practicum IV	4
NURS 7453	Advanced Professional Role Enactment	2
		Total: 46

Master of Science in Nursing Acute Care Nurse Practitioner

This program prepares the professional nurse in advanced practice to provide care for acutely ill adults in a variety of settings incorporating a sub-specialty of forensic nursing. The program includes a core of nursing theory, as well as didactic and clinical courses.

An introductory physical assessment course is required within three years of beginning Graduate Nursing Practicum I.

The program explores biopsychosocial dimensions of individuals and holistic comprehensive management of acutely ill adults. Clinical experience enables the student to follow clients from entry into the healthcare delivery system through acute illness, discharge and home care. Students work with clients and families to achieve the highest attainable level of functional capacity.

The curriculum was designed to meet the Standards of Clinical Practice set forth by the American Association of Critical Care Nurses and the American Nurses Association (1995) in addition to the competencies developed by the American Nurses Credential Center (1996) and the National Organization of Nurse Practitioner Faculties. Graduates will be eligible to sit for the ACNP certification exam.

Curriculum: Acute Care Nurse Practitioner

Semester I		Credits
NURS 6123	Nursing Theory	3
NURS 6411	Advanced Clinical Pathophysiology	3
NURS 7338	Graduate Nursing Practicum I – Acute Care of Adults	3

Semester II		
NURS 6124	Forces in Healthcare	3
NURS 6226	Perspectives/Forensic Nursing	3
NURS 7235	Clinical Decision Making	2
NURS 7250	Acute Care Theory	3
NURS 7348	Graduate Nursing Practicum II – Acute Care	3

Semester III		
NURS 6415	Clinical Pharmacology	3
NURS 7141	Nursing Research I	3
NURS 7252	Advanced Acute Care Theory	3
NURS 7360	Graduate Nursing Practicum III – Acute Care	3

Semester IV		
NURS 7143	Nursing Research II	2
NURS 7144	Nursing Research Colloquium	1
NURS 7369	Graduate Nursing Practicum IV – Acute Care	3
NURS 7449	Final Role Practicum - Acute Care	3
NURS 7453	Advanced Professional Role Enactment	2
		Total: 46

M.S.N., Case Management/ Administration

The Program

In the current healthcare climate of rapid change in technology and patient care services, coupled with increasing implementation of managed care systems, healthcare professionals are seeking mechanisms for enhancing quality while accomplishing cost-effective care. Nurses who focus their professional efforts on case management can not afford to do so isolated from the larger realities that drive the organization and, indeed, the entire health care continuum. It is essential for those involved in case management to have a thorough understanding of organizational structures and operations, as well as the financial imperatives that are the foundation of these structures and operations. Knowledge of the continuum of resources available within the healthcare delivery system and in the community is essential. Integration of case management initiatives into the strategic mission of the

organization facilitates a collaboration that will produce integrated programs providing the best possible patient care outcomes and ensuring organizational survival and success.

The program requires a total of 30 credits and can be completed in two years by full-time students. Part time students may complete the program in as few as 30 months.

Curriculum: Health Systems Administration/Case Management

Semester I – Fall		Credits
NURS 6123	Theoretical Basis of Advanced Nursing Practice	3
NURS 6224	Nursing Systems Administration	3
NURS 6304	Nursing Case Management I	3
Semester II - Spring		
NURS 6124	Forces in Health Care	3
NURS 6305	Financial and Operations Management of Integrated Healthcare Systems	3
NURS 6306	Legal and Risk Management Issues in Health Care	3
Summer Session		
NURS 7141	Nursing Research I	3
NURS 7304	Nursing Case Management II	3
Semester III - Fall		
NURS 7143	Nursing Research II	2
NURS 7144	Research Colloquium	1
NURS 7310	Managerial Internship	3
		Total: 30

School Nurse Certification

Graduate study in the school nurse certification program reflects the conviction that the school nurse should play a significant role as a school and community healthcare provider. The curriculum is designed to include information and skills of specific relevance to school nursing, school health and community health care. Emphasis is on prevention of illness, health education, health promotion and health maintenance.

In addition, courses in foundations of education, curriculum design and strategies in teaching prepare the school nurse for classroom teaching. A practicum in school nursing and teaching is required.

Students in this program are College of Nursing students who have been admitted to the School Nurse Certification program but are not matriculated for a graduate degree. Upon completion of 30 credits in required courses, students are eligible for New Jersey State Department of Education School Nurse Certification. Up to 15 credits of previous coursework may be transferred to meet certification requirements.

Courses are offered in the evening on a full-time or part-time basis. The supervised field experience is a daytime experience.

Admission Requirements

- A baccalaureate degree from an accredited school.
- A cumulative "B" average.
- Current licensure as a registered professional nurse in New Jersey.
- Professional liability insurance.
- Health clearance prior to field experience.

Curriculum Plan for School Nurse Certification Program

If no prior coursework is accepted for transfer, students must complete all of the following courses:

	Credits	
CLLB 6233	Community Health	3
CPSY 6102	Psychology of Human Development	3
EDST 6327	Mental Health	
EDST 6338	Contemporary Foundations in Education	3
EDST 7501	Human and Intercultural Relations in School and Society	
ESAD 6665	Curriculum Development and Evaluation or	3
NURS 6011	School Nursing	3
NURS 6012	Supervised Field Experience and Seminar in School Nursing/Teaching	6
NURS 6231	Teaching Methodologies	3
NURS 7000	Curriculum Structure and Development	3
		Total: 30

School Nurse Certification

If prior coursework is transferred, students generally complete the following:

EDST 6338	Contemporary Foundations in Education	3
ESAD 6665	Curriculum Development and Evaluation or	3
NURS 7000	Curriculum Structure and Development	3
NURS 6011	School Nursing	3
NURS 6012	Supervised Field Experience and Seminar in School Nursing/Teaching	6
NURS 6231	Teaching Methodologies	3

Certificate in Health Systems Administration

Graduate study in the Health Systems Administration certificate program provides nurses with the opportunity to explore areas in nursing that will expand their roles within the profession. The program requires completion of the four, 3-credit courses specialty courses of the master's degree program and is designed to meet the needs of nurses interested in moving into more senior administrative positions. Students admitted to the Certificate in Health Systems Administration program are not matriculated for a graduate degree but may apply for graduate studies at any time during the program.

Certificate Requirements

		Credits
NURS 6224	Nursing Systems Administration	3
NURS 6305	Financial and Operations Management of Integrated Healthcare Systems	3
NURS 6306	Legal and Risk Management Issues in Health Care	3
NURS 7307	Managed Care and Reimbursement Systems	3
Total:		12

Note: With permission from the program director, students may elect to substitute other courses offered within the College of Nursing for one of the above.

Post-Master's Certificate Program**Advanced Practice in Primary Health Care:
Adult Nurse Practitioner/Gerontological Nurse Practitioner/
Women's Health/Pediatric Nurse Practitioner**

This program is designed to prepare the nurse with a master's degree in nursing to become a nurse practitioner. It is a 28-32 credit (30 credits for those wishing to earn a master's degree) program that includes didactic and clinical courses specific to adult health and gerontological nursing. Students gain in-depth knowledge of human development and develop clinical skills necessary for complete health assessment and management of acute illnesses, minor illnesses and stabilized chronic illnesses.

Clinical placements are individualized and congruent with student's interests, education and career goals. Placement is made with certified, experienced advanced nurse practitioners.

Upon completion of the program, graduates are eligible to apply for certification as advanced nurse practitioners by the New Jersey Board of Nursing. Graduates are also eligible to apply for the American Nurses Association's Adult, Gerontological Nurse Practitioner Certification, or the American Academy of Nurse Practitioner Certification, or the American Academy of Nurse Practitioners for the Adult Nurse Practitioner Certification.

Curriculum Plan:

Courses		Credits
Fall Semester		
NURS 6223	Health Promotion	3
NURS 7333	Practicum I	3
Spring Semester		
NURS 6416	Advanced Clinical Pathophysiology	3
NURS 7235	Clinical Decision Making	2
NURS 7243	Primary Health Care: Older Years	3
NURS 7343	Practicum II	3
Fall Semester		
NURS 7246	Advanced Primary Health Care: Older Years	3
NURS 7356	Practicum III	3

Spring Semester

NURS 6221	Health Concepts for Aging*	3
NURS 6415	Clinical Pharmacology	3
NURS 7363	Graduate Nursing Practicum IV	3
NURS 7453	Advanced Professional Role Enactment	2
Total:		28-34

*Required for gerontological track.

**Certificate in Case Management/
Administration**

Graduate study in the Case Management/Administration certificate program provides nurses with the opportunity to explore areas in nursing that will expand their roles within the profession. The program requires completion of the four, three-credit specialty courses of the master's degree program and is designed to meet the needs of nurses interested in moving into a case management role or into a more senior administrative position. Students admitted to the Certificate in Case Management/Administration program are not matriculated for a graduate degree but may elect this option at any time during the program.

Certificate Requirements

		Credits
NURS 6224	Nursing Systems Administration	3
NURS 6304	Nursing Case Management I	3
NURS 6305	Financial and Operations Management of Integrated Healthcare Systems	3
NURS 7304	Nursing Case Management II	3
Total:		12

Note: With permission from the program director, students may elect to substitute other courses offered within the College of Nursing for one of the above.

**Lamaze International Childbirth
Educator Certification Program**

The Lamaze International Childbirth Educator Program is designed to prepare the nurse to meet the highest standard in childbirth education. It is a 6-credit program that combines both academic and practical learning experiences in a comprehensive course of self-study and seminar format. Graduates of this program will demonstrate the competencies that are essential for practice as a childbirth educator and reflect the specialized knowledge of a childbirth educator certified by Lamaze International. Students who successfully complete this childbirth educator program are eligible to take the Lamaze International Childbirth Educator Certification Examination. Lamaze certification demonstrates to consumers, professional colleagues and employers that individuals have acquired specialized knowl-

edge and skills as a childbirth educator and are prepared to offer high-quality education programs to childbearing women and their families.

Admission Requirements

1. Baccalaureate degree in nursing from an NLN-accredited program.
2. Current license in their state of practice.

Certificate Requirements

		Credits
NURS 6005/CLLB 6005	Childbirth Education: Pre-seminar course	2
NURS 6006/CLLB 6006	Childbirth Education: Seminar	2
NURS 6008/CLLB 6008	Childbirth Education: Post-seminar course	2
Total:		6

Course Descriptions

A semester credit hour is equivalent to, at a minimum, 15 hours of classroom contact plus appropriate outside preparation, 30 hours of colloquium, supervised laboratory plus appropriate outside preparation, 45 hours of internship/clinical experience or a combination of the foregoing.

CLLB 6003/NURS 6003 HIV/AIDS: Concepts and Issues

Multidisciplinary exploration of the relevant concepts and issues of HIV/AIDS. Major focus on legal, political, social, medical and ethical issues. *3 credits.*

CLLB 6004/NURS 6004 Women and Health

A multidisciplinary forum for the exploration and analysis of relevant concepts and issues of women's health. *3 credits.*

CLLB 6005/NURS 6005 Childbirth Education: Pre-seminar course

This course is designed to help the childbirth educator candidate acquire the knowledge necessary to teach expectant parents childbirth education. This pre-seminar course is one of three approved by Lamaze International as meeting the requirements to take the Lamaze International Childbirth Educator Certification Examination. *2 credits.*

CLLB 6006/NURS 6006 Childbirth Education: Seminar

An intensive three day, workshop that is designed to provide the candidate with knowledge, skills and resources to prepare them to become a Lamaze International certified childbirth educator. Educator National Certification Examination. *2 credits.*

CLLB 6008/NURS 6008 Childbirth Education: Post-seminar course

This course is designed to support qualified candidates to develop a childbirth education course design to prepare the childbearing family for pregnancy, labor, birth and the early parenting period. *2 credits.*

CLLB 6233/NURS 6233 Community Health

Basic factors in providing community-based health care; assessments of community needs, community organization and planning, community politics and the relationship of consumers and providers; scope of practice of healthcare professionals, including interdisciplinary collaboration and the organization of healthcare delivery systems. *3 credits.*

CLLB 6234 Foundations and Practices of Higher Education

An examination of current beliefs, values, practices and related issues in higher education. *3 credits.*

CLLB 6240 Foundations in Continuous Quality Improvement

Provides a basic understanding of the cultural, mechanical and developmental processes necessary to create a successful quality environment within an organization. *3 credits.*

CLLB 6241 Grant Writing

Students are actively involved in the grant writing process. They will select a funding source, develop a complete grant proposal and have it reviewed in a mock study session in class. *3 credits.*

CLLB 6441 Measurement and Evaluation

This course provides students with opportunities to acquire skills in the development, evaluation, selection and use of evaluation instruments that measure a variety of intended learning outcomes. *3 credits.*

NURS 6011 School Nursing

Study of the organization and administration of school health services. Role and function of the nurse in a school setting with a focus on health assessments and management. Prerequisites: registration in the school nurse certification program and faculty permission. *3 credits.*

NURS 6012 Supervised Field Experience and Seminar in School Nursing/Teaching

Students are placed in selected schools to participate in the delivery of school health services and in teaching areas related to health. Major focus is to assist pupils and families to achieve high-level wellness by becoming active participants in their own health care. Prerequisite: registration in the school nurse certification program. *6 credits.*

NURS 6123 Theoretical Basis of Advanced Nursing Practice

This course will provide an introduction to the nature of knowledge and theory through study of selected major philosophical and theoretical orientations that provide the foundation for nursing practice. *3 credits.*

NURS 6124 Forces in Health Care

Examines the issues and concepts relevant to understanding the relationships between social networks, biomedical ethics and health policy. *3 credits.*

NURS 6221 Health Concepts for Aging

This didactic course is designed to explore issues related to care of the elderly, including healthful aging, and issues related to chronic illness and frailty. Age related changes and the biopsychosocial theories of aging will provide the foundation for understanding key aspects of healthful aging. Principles of evidence-based practice will be utilized to explore the management of chronic health problems unique to older adults. An analysis of public policy and the impact of the prospective payment system in long-term care will highlight the constraints of healthcare services to institutionalized and community residing elders. *3 credits.*

NURS 6222 Nursing Administration

Theories and research relative to administration of nursing services analyzed and evaluated in relation to practice needs. *3 credits.*

NURS 6223 Health Promotion

Comprehensive health care needs identified for individuals of all ages. Current and evolving healthcare delivery. *3 credits.*

NURS 6224 Nursing Systems Administration

This course addresses the political, social, legal and ethical realities affecting nursing administrators in urban integrated health care delivery systems. Theoretical as well as operational perspectives are presented, particularly as they distinguish nursing administration from business administration. Ways to develop vision and creativity within nursing administration are explored. Content focuses on developing broad knowledge of the emerging nursing issues facing nurse managers and executives. Leadership skills are identified in managing care for diverse client populations within the urban environment. Specific emphasis is placed on epidemiological, sociocultural and political issues in the urban, multicultural environment. Students analyze the interactions of government authorities, delivery systems, the financing of health care, regulation, competition and organizational innovation. *3 credits.*

NURS 6226 Perspectives/Forensic Nursing

This course establishes the foundation for forensic decision making in advanced nursing practice. The emphasis is on the holistic approach of victims from a sociological and psychological perspective. This course includes the scope and responsibilities of advanced nursing practice as it interfaces with the justice system. *3 credits.*

NURS 6231 Teaching Methodologies

Content and teaching strategies to enable the student to relate learning to the instructional process, and to assess learning styles and needs, write performance objectives, design and deliver instructional units and evaluate student performance, instructional products and instructional procedures. *3 credits.*

NURS 6304 Nursing Case Management I

The role of the nurse case manager in a managed care environment is examined. The exploration of community resources as a source of client support and the basic concepts of insurance, utilization management, legal/ethical dilemmas, discharge planning and total quality management are identified as selected educational components. *3 credits.*

NURS 6305 Financial and Operations Management of Integrated Healthcare Systems

This course will focus on the structural, financial and legal changes of integrated healthcare delivery systems. Merely merging, acquiring, or networking provider entities for the sake of scale or dominating a marketplace does not necessarily create economies of scale, meet the needs of the community or result in financial success or better medical care. Emphasis will be on the melding of clinical operations, practice and management styles, operations, and the other factors necessary to operate an organized delivery system successfully. *3 credits.*

NURS 6306 Legal and Risk Management Issues in Health Care

This course examines the increased importance of legal issues in healthcare administration and the attendant risks that these present to administrators in the current environment of managed care. Students will study legal principles that guide nurses in general and specialized areas of practice. The course will introduce nursing law, relate nursing practice to the legal system, and cover nursing law and the patient, nursing law and management, specialization and forensics. Risk management is the complex set of tasks, functions and decisions carried out with the objective of reducing organizational liability and losses. The course will address the broad and divergent elements of healthcare risk management that healthcare facilities and administrators need to guard against unexpected financial losses from casualty, worker's compensation, and professional liability. *3 credits.*

NURS 6411 Advanced Clinical Pathophysiology

Pathogenesis of major conditions will be presented. Symptoms and signs of clinical situations will be analyzed and discussed in order that the student may have an understanding of the etiology of health deviations as well as a cognizance of the rationale for their management. *3 credits.*

"The responsibility of a nurse is not to make people well, or to prevent their getting sick, but to assist people to recognize the power that is within them to move to higher levels of consciousness."

MARGARET NEWMAN

NURS 6415 Clinical Pharmacology

Provides a working knowledge of pharmacotherapeutics, with emphasis on therapeutic needs of the ambulatory client, from childhood through older years. Basic concepts in qualitative and quantitative drug actions within the body. *3 credits.*

NURS 6417 Advanced Clinical Pathophysiology II

In-depth study of the physiological principles of complex pathologies. Symptoms and signs of complex clinical situations are analyzed and discussed in order that the student may understand the etiology of complex diseases as their management. Prerequisite: NURS 6416. *2 credits.*

NURS 6991-6993 Independent Study in Nursing

Opportunity for graduate nursing students to study a selected area or problem in nursing and to enhance the ability for self-directed learning. Students are assigned or select qualified faculty to serve as consultants. *1/2/3 credits.*

NURS 7000 Curriculum Structure and Development

The focus of this course is on evolving concepts of curriculum development, current practices and trends. Emphasis is on understanding, organizing the curriculum, the relationship of philosophy to curriculum development and higher order thinking that unifies curriculum. Instruction and learning principles utilized are applicable for primary, secondary or higher education. *3 credits.*

NURS 7014 School Nursing of Children/Adolescents With Disabilities

The identification, management and evaluation of children and adolescents with disabilities. The role of the school nurse with children and adolescents with disabilities, as well as relevant legislation affecting disabilities and handicapping conditions. *3 credits.*

NURS 7140 Introduction to Data Management and Analysis for Research Designs: Application of Computers

An introduction to the quantitative methods of data management and analysis used in research for nursing. An introduction to SPSS statistical software with basic concepts needed for creating, running and editing computer files. Prerequisite: a course in introductory statistics. *1 credit.*

NURS 7141 Nursing Research I

Critique of published studies and student proposals. Students develop clinically oriented, theoretically based research proposals. Emphasis on the nature of scientific inquiry, role of research in knowledge and theory development, as well as ethics in research. Prerequisite: NURS 6123. *3 credits.*

NURS 7143 Nursing Research II

Opportunity to carry out a research proposal. Students either choose a research proposal and implement and interpret it in light of the

identified theoretical or conceptual base; or apply a research finding in a practice setting, implementing, evaluating and documenting the change phenomenon. Emphasis on the research approach to professional practice. Prerequisite: NURS 7141. *2 credits.*

NURS 7144 Nursing Research Colloquium

Focus on the interpretation of data analysis and the finalization and presentation of the research project to peers and faculty. Prerequisites: NURS 7141, 7143. *1 credit.*

NURS 7235 Clinical Decision Making

This course focuses on the interpretation of radiographic, hemodynamic, cardiovascular, neurologic, respiratory tests as well as miscellaneous laboratory findings. This course is basic to determining a differential diagnoses in conjunction with data obtained from the comprehensive history and physical examination. Students will develop a systematic framework for diagnostic reasoning. Students analyze sets of data and formulate a listing of patient problems. *2 credits.*

NURS 7240 Primary Health Care of Women

Provides the knowledge and skills to formulate clinical judgments needed to initiate, manage and evaluate primary healthcare regimens for women of all ages. Course integrates the concepts of health promotion and health maintenance continue. Prerequisite: NURS 7332. *3 credits.*

NURS 7241 Curriculum Structure and Development in Nursing

Focuses on the evolution of curricula structure in contemporary nursing education. Concepts identified from nursing models developed and utilized within curricular frameworks. Analysis and evaluation of nursing curricula. Prerequisites: NURS 6123, 6124. *3 credits.*

NURS 7242 Primary Health Care: Younger Years

Students acquire theory to initiate, manage and evaluate primary healthcare regimens for children and adolescents. Prerequisites: NURS 6223, 7331. *3 credits.*

NURS 7243 Primary Health Care: Older Years

Students acquire theory to initiate, manage and evaluate primary healthcare regimens for adults and the aged. Prerequisites: NURS 6223, 7331. *3 credits.*

NURS 7244 Advanced Primary Health Care: Younger Years

Focus on application of current theory relevant to primary health care nursing management of the developing individual from birth through adolescence, with a long-term healthcare deviation. Prerequisite: NURS 7242. *3 credits.*

NURS 7246 Advanced Primary Health Care: Older Years

Content directed toward acute presentation of illness and complex health problems of adults and the aged. Role of the

clinical nurse specialist in the care and management of frail elders and their support systems in institutions and the community. Prerequisite: NURS 7243. *3 credits.*

NURS 7249 Advanced Primary Healthcare Theory: Women's Health

This course focuses on providing the knowledge and skills to formulate clinical judgments needed to initiate, manage and evaluate primary healthcare regimens for women during pregnancy and postpartum. Complications of pregnancy and problems of the high-risk pregnant women are included. Prerequisites: NURS 7240, 7347. Corequisite: NURS 7359. *3 credits.*

NURS 7250 Acute Care Theory

This course focuses on the diagnosis and management of the illness trajectory of patients with chronic conditions. Diagnosis and management of select chronic conditions will be discussed via case scenarios. Risk factor modification is included for leading causes of morbidity and mortality spanning ages from older adolescent to the elderly, including ethnic/minorities. *3 credits.*

NURS 7252 Advanced Acute Care Theory

This course focuses on acute care through rehabilitation using a case management approach. The content focuses on acute conditions: cardiovascular, respiratory, GI and renal disease, trauma and neuroendocrine emergencies. Students learn to diagnose and manage patients with acute conditions in collaboration with physicians. Research utilization is incorporated. Family dynamics are included. Special considerations for ethnic minorities and the age range of late adolescents to the elderly are incorporated. *3 credits.*

NURS 7304 Nursing Case Management II

This practicum course investigates the role of the nurse case manager in a managed care environment, within and across organization, as students work in selected public or private healthcare organizations under the guidance and support of qualified preceptors. The course examines types of managed care organizations and their organizational and operational structure. Students will analyze patient accounting practices in integrated healthcare delivery systems and will examine contracting processes, reimbursement, coding and billing. Students will identify major revenue streams, payment sources, and regulatory topics such as entitlement programs, and prospective payment systems. The practicum format allows the student to observe and participate in a variety of relevant experiences in an actual healthcare setting. *3 credits.*

NURS 7307 Managed Care and Reimbursement Systems

This practicum course examines types of managed care organizations and their organizational and operational structure. Students will analyze patient accounting practices in integrated healthcare delivery systems. During clinical experiences, students will

examine processes employed in negotiating and contracting with hospitals and physicians, reimbursement, billing and utilization of ancillary and emergency services. A major focus is on billing and payment cycles within healthcare organizations. Students will identify major revenue streams, payor sources, and regulatory topics such as entitlement programs, DRGs and prospective payment systems. The practicum format allows the student to observe and participate in a variety of relevant experiences in an actual healthcare setting. *3 credits.*

NURS 7308 Executive Internship in Health Systems

This executive-level internship experience offers students the opportunity to demonstrate advanced leadership/management competencies in a selected healthcare organization. Students will have the opportunity to demonstrate synthesis and application of previously acquired knowledge and skill during their involvement and participation in organizational planning at executive levels in complex integrated healthcare organizations. The experience will promote the application and utilization of advanced theoretical knowledge in new and existing situations within the administrative practice setting. Course focus is on the depth and breadth of integrated delivery system components and on the multicultural constituencies served by these systems. Learning outcomes stress creative leadership behaviors and the development of a strategic business initiative for a product or service that serves the culturally diverse urban population. *3 credits.*

NURS 7310 Managerial Internship in Health Systems Administration

The initial internship experience offers students the opportunity to develop midlevel leadership/management competencies within selected healthcare organizations. Theoretical knowledge that has been previously acquired will be applied and utilized in new and existing situations within the practice setting. Course focus is on the assessment of integrated healthcare delivery systems and on the multicultural constituencies served by these systems. Students will develop practical knowledge about the interrelationships of organizational units within matrix-based healthcare systems and the roles of nurse managers and administrators within these units. *3 credits.*

NURS 7332 Graduate Nursing Practicum I: Women's Health

Students acquire mastery of comprehensive assessment skills which include physical, psychosocial, developmental and functional appraisal of adults. Students practice in the college laboratory, clinics and ambulatory settings. Corequisites: NURS 6223, NURS 6411. *3 credits.*

NURS 7333 Graduate Nursing Practicum I: Primary Health Care: Older Years

Opportunity to gain understanding and practice of the expanded nursing role. Emphasis on preventive care and health maintenance. Students acquire mastery of comprehensive assessment skills with well adults and the aged. Corequisites: NURS 6223, 6411. *3 credits.*

NURS 7334 Graduate Nursing Practicum I: Primary Health Care: Younger Years

Focus is on theory and techniques underlying the assessment of child health status, child development and level of child functioning. Opportunity for clinical practice with well children in performing behavioral, developmental, functional, environmental and physical assessments. Corequisites: NURS 6223, 6411. *3 credits.*

NURS 7338 Graduate Nursing Practicum I: Acute Care of Adults

Provides the student with an opportunity to gain mastery of comprehensive assessment skills. The focus is on the history and physical exam as it relates to acute care nurse practitioner practice. The psychosocial, cultural and developmental aspects of care also are addressed. *3 credits.*

NURS 7343 Graduate Nursing Practicum II: Primary Health Care: Older Years

Opportunity to practice in ambulatory care to build primary health care skills in clinical assessment, diagnostic decision making and management of adults or aged who have minor, acute, common, uncomplicated or chronic stabilized illness. Prerequisite: NURS 7333. Corequisite: NURS 7243. *3 credits.*

NURS 7344 Graduate Nursing Practicum II: Primary Health Care: Younger Years

Opportunity to practice in selected ambulatory care sites for the purpose of building clinical appraisal, diagnostic decision making and management skills with healthy children, children who are experiencing minor acute illness and their families. Clinical seminar provides opportunity for case presentation and advanced nursing practice role analysis. Prerequisite: NURS 7334. Corequisite: NURS 7242. *3 credits.*

NURS 7348 Graduate Nursing Practicum II: Acute Care

Students will begin to function in the role of ACNP. Students will be involved in team rounds, working with health professionals. Desired experiences are settings where patients have chronic conditions or stabilizing acute conditions. Seminars will focus on case studies relevant to content in Acute Care Theory II. Case management is stressed. Seven clinical hours and 2 hours of seminar/week. *3 credits.*

NURS 7450 Graduate Nursing Practicum II: Women's Health

Opportunity to gain skills in providing sound, scientifically based primary health care to women. Students participate in the care of women (from adolescence to the advanced years) who are well,

have common or minor illnesses, or are experiencing common gynecological disorders. They assess, execute and manage the health/illness care of clients based on analysis of findings from health histories, physical, developmental and behavioral assessments. Prerequisite: NURS 7332. Corequisite: NURS 7240. *4 credits.*

NURS 7355 Final Role Practicum in Nursing Education

The teaching practicum provides students with the opportunity to select, test and expand theory in an educational or staff development setting. Practice teaching and assumption of the educator's role permit students to evaluate and refine their effectiveness in role socialization. Prerequisites: All program requirements with the exception of NURS 7143 and one functional support course which may be taken simultaneously. *3 credits.*

NURS 7356 Graduate Nursing Practicum III: Primary Health Care: Older Years

Focus is on continued development of primary healthcare skills. Students continue to provide primary healthcare services to well, acute and chronically ill clients. Prerequisite: NURS 7343. Corequisite: NURS 7246. *3 credits.*

NURS 7357 Graduate Nursing Practicum III: Primary Health Care: Younger Years

Opportunity for practice with children with long-term health deviations in schools and specialty clinics within a family and community context. Emphasis is on development of a therapeutic regimen and continuity of care based upon in-depth assessment. Seminar provides format for case analysis and development of a collaborative role model. Prerequisites: NURS 7242, 7344. Corequisite: NURS 7244. *3 credits.*

NURS 7360 Graduate Nursing Practicum III: Acute Care

This practicum course emphasizes strategies for the ongoing assessment and management of clients. All settings are inner city with multicultural groups. Students will carry a case load of patients with both acute and chronic illnesses in the tertiary care setting, including the critical care areas. New procedures/tests will be performed as per the following approach: (1) observe and assist, (2) perform with assistance and (3) perform with supervision. Seven clinical hours and two hours of seminar per week. *3 credits.*

NURS 7363 Graduate Nursing Practicum IV: Primary Health Care: Older Years

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of care to adults or aged in a setting of choice. Focus is on leadership and change strategies in a sociopolitical and legal environment. Prerequisites: NURS 7356, 7243. *3 credits.*

NURS 7364 Graduate Nursing Practicum IV: Primary Health Care: Younger Years

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of care to children and their families in a variety of settings. Focus on leadership and change strategies in a sociopolitical and legal environment. Prerequisites: NURS 7357, 7244. *3 credits.*

NURS 7367 Advanced Concepts and Theories for Leadership in Professional Nursing Practice

This course will provide students with an understanding of the turbulent changes occurring within the American healthcare system and the challenges and opportunities emerging for nurses. This changing healthcare environment requires practicing nurses to have a stronger background in nursing leadership and client care management in order to achieve successful outcomes and contribute more fully to 21st-century contemporary nursing practice. The present and future of nursing practice will require nurses to practice across the healthcare continuum. Nursing leadership and management are complementary to clinical care and client directed practice. Leadership development of nurses in advanced or expanded roles ensures clients or practitioners capable of establishing the collaborative linkages essential in creating the care continuum. *3 credits.*

NURS 7369 Graduate Nursing Practicum IV - Acute Care

The focus of this clinical course is on the acute care nurse practitioner's management of critically ill adults and their families from critical illness onset through rehabilitation or resolution. Case management is holistic and incorporates the family, critical care and long term institutions and the community. The application of complex technologic care is emphasized and analyzed. This course affords the learner continued opportunity to collaborate with clinical nurse specialists in the care of critically ill adults and their families in healthcare institutions and the community. *3 credits.*

NURS 7449 Final Role Practicum: Acute Care

The focus on this fifth and final practicum is on solidifying functioning as an acute care nurse practitioner. Students manage a case load of clients under the guidance of faculty and preceptors. Critical thinking and conceptual model integration are incorporated as are current research findings. *3 credits.*

NURS 7451 Graduate Nursing Practicum III: Women's Health

With faculty guidance and preceptorship supervision, students begin to manage women and uncomplicated pregnancies and actively care for women who are well, have common minor illnesses or are experiencing common gynecological disorders. The opportunity to test and utilize theoretical concepts in primary health care practice and to develop competencies in clinical judgement. *4 credits.*

NURS 7452 Graduate Nursing Practicum IV: Primary Health Care of Women

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of providing health care to women. Focus is on mastery of skills and leadership strategies. A variety of clinical settings are utilized. Prerequisites: NURS 7249, 7359. *4 credits.*

NURS 7453 Advanced Professional Role Enactment within Healthcare Systems

This course will focus on sensitizing the nurse practitioner student to the emerging and ever changing role of the Advanced Practice Nurse. Students will explore the societal, economic and politico-legal developments affecting acceptance and utilization of the nurse practitioner role. Issues related to role development, leadership skills and case management for diverse client populations are analyzed. *2 credits.*

Immaculate Conception Seminary School of Theology



Lewis Hall and Alfieri Hall
(973) 761-9575
theology.shu.edu

Rector-Dean: Monsignor Robert F. Coleman, J.C.D.
Vice-Rector/Business Manager: Reverend Thomas P. Nydegger, M.Div.
Associate Dean: Reverend C. Anthony Ziccardi, S.S.L.
Assistant Dean: Dianne M. Traflet, J.D., S.T.D.

Faculty: Bracken; Chapel; Flesey; Foster; Fox; Guarino (*on sabbatical, 2002-03*); McCarren; Porter (*on sabbatical, 2003*); Toth; Wister; Ziccardi.

Formation: Blumenfeld; Bracken; Chapel; Coleman; Cusack (*Director*); Figueiredo; Flesey; McCarren; Nydegger; Ziccardi.

Immaculate Conception Seminary School of Theology (ICSST) is the graduate school of theology of Seton Hall University and the major seminary of the Catholic Archdiocese of Newark. ICSST admits both seminarians studying for the Catholic priesthood and lay students.

Founded in 1861 at Seton Hall, ICSST remained part of the University until 1926 when it moved to separate facilities in Darlington, near Mahwah. In 1984 Immaculate Conception Seminary reaffiliated with the University.

Mission Statement

Immaculate Conception Seminary is a house of formation for the Roman Catholic priesthood and the Graduate School of Theology of Seton Hall University.

As a house of formation, the Seminary offers men preparing for the priesthood the personal, academic, ministerial and spiritual formation essential for conversion to Jesus Christ and their commitment to a life of service to the Church.

As a graduate school of theology, the Seminary provides a theological foundation and a pastoral and spiritual formation for men and women preparing for ministries among the People of God, a theological foundation for men and women desiring to pursue doctoral studies and varied opportunities for continuing theological education (approved 1996).

Accreditation

Association of Theological Schools in the United States and Canada.

Degree Programs

ICSST offers three graduate degree programs: the Master of Arts in Theology, the Master of Arts in Pastoral Ministry and the Master of Divinity. ICSST also offers a concentration in Church Administration within the M.P.A. program administered by the University's Center for Public Service.

ICSST also cooperates with the College of Education and Human Services in an M.A. in Principal/Supervisor Certification program, with a concentration in Catholic School Leadership.

Certificate Programs

In addition to degree programs, ICSST offers a variety of certificate programs for persons not interested in acquiring complete degrees but in developing a mastery of a discrete area of knowledge. Certificates currently are available in the following areas:

- Catechetical Ministry
- Pastoral Ministry
- Scripture Studies
- Studies in Christian Spirituality
- Youth Ministry

Tuition Discount

Students employed by the Church are eligible for a 50 percent tuition discount. To apply for this discount, the student must submit to the associate dean an original letter from his/her

Church employer testifying to current and continuing employment by the Church.

Summer Session

ICSST offers courses throughout the summer. Summer Session serves various purposes. Current students can accelerate their programs. Persons with an interest in specific subjects, especially pastoral subjects, can enroll in particular summer courses as nonmatriculated students. Students at other institutions can, subject to their home institution's approval, transfer credit there. For more information on Summer 2003, contact the associate dean at (973) 761-9576 after January.

Visiting Scholars

Each year ICSST invites visiting scholars from other institutions as a way of providing students with exposure to distinguished faculty and thinkers in the field of theology. Past scholars have included Eamon Carroll, O. Carm (Loyola, Chicago); Norris Clarke, S.J. (Fordham, New York); Marcel Dumais, O.M.I. (St. Paul's University, Ottawa); Albert Fuchs (Katholisch-Theologische Hochschule, Linz); Balthasar Fischer (Trier); Edward T. Oakes, S.J. (Regis, Denver); Mary O'Driscoll, O.P. (Angelicum, Rome); Alberic Stacpoole, O.S.B. (Ampleforth Abbey, Yorkshire); Walter Vogels (University of St. Paul, Ottawa); Edward J. Yarnold, S.J. (Oxford University); Zygmunt Zielinski (Catholic University of Lublin).

Archbishop Peter L. Gerety Fund for Ecclesiastical History

The Archbishop Peter L. Gerety Fund for Ecclesiastical History was established by the former Archbishop of Newark (1974-86) to promote study, research and scholarship in Church history broadly considered. It carries out its mandate in four major ways:

- **Gerety Lectures:** Twice each academic year, ICSST sponsors lectures by distinguished guest speakers on subjects of Church history. Past lecturers have included John Tracy Ellis, Jaroslav Pelikan, Gerald Fogarty, Virgilio Elizondo, Philip Gleason, Albert Raboteau, Stephen Carter, Jan Michael Joncas, Margaret Reher, Thomas Shelley, John O'Malley, S.J., and Peter Phan.
- **Gerety Seminarian Award:** An annual prize is given to the Catholic seminarian enrolled at ICSST who completes the best project in Church history in a given year.
- **Gerety Book Award:** A biennial subvention of \$2,000 is provided for the publication of a book, a substantial portion of which deals with the history of the Roman Catholic community in New Jersey. It is expected that the book will reflect the use of the archives of the Archdiocese of Newark and/or other deposits in the archives of Seton Hall University under care of the New Jersey Catholic Historical Records Commission.
- **Gerety Research Award:** A \$300 annual prize is given for the best monograph produced as a result of research in the archives of the Archdiocese of Newark and/or other deposits in the archives of Seton Hall University under care of the New Jersey Catholic Historical Records Commission.

For additional information about these awards, contact the Reverend Monsignor Robert Wister.

Admission

In addition to the general University requirements for admission to graduate studies, the Seminary School of Theology requires the following:

- a baccalaureate degree, preferably in the humanities, from an accredited college or university (particular distribution requirements are listed under each degree program);
- official transcripts of all undergraduate and graduate work done to date. Student transcripts or photocopies are not acceptable;
- scores from either the Graduate Record Examination (GRE) or Miller Analogies Test (MAT);
- two letters of reference attesting to the student's academic potential and personal qualifications to pursue advanced theological studies;
- completed application forms with a \$50 nonrefundable application fee; and
- results of the TOEFL Test (for students born or raised in non-English speaking countries). Seminarians applying to the M.Div. programs already sponsored by a diocese or religious community may elect to take ESL testing on campus prior to initial registration. Additional requirements or exceptions for particular degree programs are included in the descriptions of those programs.

Master of Arts in Theology (M.A.)

The Master of Arts in Theology is a first academic graduate degree offering students a substantial academic background in specific theological disciplines. ICSST offers the M.A. in Theology in two formats: general and research. The general M.A. is for students wanting a terminal degree in theology that allows them to pursue their studies in further depth without a formal research component. The general M.A. is well-suited for persons teaching at the secondary school level. The research M.A. serves as the basis for further graduate studies and includes language reading and research requirements usually deemed prerequisites to doctoral studies. Admission and matriculation requirements and concentrations are the same for both formats.

Students considering further studies in theology are advised to pursue the research M.A., which leaves more options open. Because the general format M.A. is a terminal degree, ICSST will not recommend graduates to doctoral programs.

Admission Requirements

In addition to the University's general admission requirements for graduate study and the special admission requirements for all ICSST programs, M.A. applicants should have completed at least 12 credits or equivalent in theology/religious studies in their undergraduate programs. Students lacking this background may be required to enroll in additional coursework to remedy this deficiency.

Matriculation Requirements

All students must maintain an average of at least 3.000 on a 4.000 scale in coursework leading to the M.A. in Theology. Students must complete degree requirements within five years. Extensions of time to fulfill degree requirements may be requested from the ICSST Educational Policy Committee for extenuating reasons.

Concentrations

Concentrations are available in four areas: biblical studies, moral theology, systematic theology and church history. A fifth concentration, in Judaeo-Christian studies, is available by taking courses offered through the University's Department of Jewish-Christian Studies.

Degree Requirements

General (Terminal) Option

Students selecting the M.A. in Theology, general option, must complete 36 credits of coursework, divided into 21 credits in one of the major areas listed under "concentrations" and 12 credits in the other areas of concentration, divided as evenly as possible among them. Students concentrating in biblical studies also must complete 2 credits in Biblical Greek or Hebrew. As close as possible to their final semester of studies, students also must complete 3 credits in the M.A. Seminar (STHO 6999), a capstone course integrating their theological studies from among the various concentrations. It is anticipated that the M.A. Seminar will be offered at least biannually.

Research Option

The M.A. in Theology program, research format, consists of four components: coursework, language reading requirements, comprehensive examinations and thesis. These four components are divided as follows:

I. Coursework (36 credits)

Students must complete 36 hours of graduate coursework, divided into 21 credits in one of the major areas listed under "concentrations" and 15 credits in the other areas of concentration, divided as evenly as possible among them. No pastoral theology (PTHO) courses are applicable to the M.A. in Theology degree.

II. Language Reading Requirement

Students must demonstrate reading knowledge of French or German. This requirement should be met as early as possible; no student will be permitted to advance to comprehensive examinations without satisfying it. Substitution of other languages is generally not permitted unless the student demonstrates a compelling relationship between the proposed language substitute and his area of research. Students meet the language reading requirement by taking a one-hour translation examination administered and graded by a faculty member chosen by the associate dean.

III. Comprehensive Examinations

Students must complete written comprehensive examinations in their areas of concentration, demonstrating relative mastery of the chosen area of study. Comprehensives are taken after coursework

and the language reading requirement have been fulfilled. Details are available from the associate dean at (973) 761-9576.

IV. Thesis

Students must submit an acceptable thesis of substantial length (80-100 pages) in the chosen field of concentration on a topic previously approved by the Educational Policy Committee, only after all other degree requirements have been successfully met. The thesis will be read by a mentor and a reader, each of whom grades the thesis, with the final grade established as an average by the associate dean. The final thesis must be filed in the ICSST Library.

V. Additional Requirements for Biblical Students

In addition to the requirements described in I-IV, students concentrating in biblical studies must successfully complete at least one semester of Biblical Greek (2 credits) and one semester of Biblical Hebrew (2 credits) prior to comprehensive examinations.

Master of Arts in Pastoral Ministry (M.A.P.M.)

The Master of Arts in Pastoral Ministry program prepares students for competent leadership in a specialized ministry in the Catholic Church (e.g., youth, catechetical, liturgical, etc.). The program strives to provide the student with both a basic core of theological knowledge as well as specialized training in one's chosen field of ministerial engagement.

Admission Requirements

In addition to the University's admission requirements for graduate study and the general admission requirements for ICSST programs, M.A.P.M. applicants must:

- submit the results of psychological testing, including the Minnesota Multiphasic Personality Inventory (MMPI), the Rorschach, the Autobiographical Sketch, the Gestalt Test and the Draw-a-Person Test, all taken at a center approved by ICSST; and
- have a personal interview with the director of the Lay Ministry program.

Note: At least two years of ministerial experience centering around communicating religious values to others is preferred.

Matriculation Requirements

Students enrolled in the M.A.P.M. program must maintain a GPA of at least 3.000 on a 4.000 scale in pastoral theology courses and at least a 2.500 GPA in courses in each of the biblical, historical, moral and systematics areas. Students are permitted five years to complete the program but may petition for an extension of time from the ICSST Educational Policy Committee in extenuating circumstances.

Degree Requirements

The M.A.P.M. program consists of four components: course work; field education and theological reflection; spiritual formation; and the Integration Seminar/Final Comprehensive Project. These components are divided as follows:

I. Coursework (39 credits)

Students complete coursework according to the distribution below, divided into 30 credits in a core theological curriculum and 12 credits in their area of pastoral specialization. Specific courses are selected in conjunction with the student's academic adviser.

A. Core Theological Curriculum

Students must complete 3 credits in each of the following core areas. The courses listed represent typical choices, not concrete requirements.

Core Areas	Possible Course Choices
New Testament	BIBL 6501, 6503, 6505
Old Testament	BIBL 6201, 6203, 6205
Church History	HSTD 6301, 6401, 6405
Liturgy	STHO 6501
Christology or Trinity	STHO 6203, 6204
Ecclesiology	STHO 6207, 6208
Sacramental Theology	STHO 6503, 6505, 6509
Moral Theology	CETH 6101, 6102, 6306
Theological Foundations for Ministry	STHO 6208, 6575

B. Concentration Area

Students must earn 12 credits in PTHO courses. The course work should represent a coherent concentration in a particular area of pastoral ministry and be determined by the student's present and prospective ministerial needs. Areas of concentration currently available include catechetical ministry, youth ministry, spirituality, liturgical ministry, healthcare ministry and church management.

II. Field Education and Theological Reflection

All M.A.P.M. students must complete the equivalent of six credits of field education in professionally supervised settings approved by ICSST. Students may meet this requirement as follows: (1) by taking part in two, one-semester field education experiences of six to eight hours weekly in a supervised setting; (2) by enrolling in clinical pastoral education; or (3) other means approved by the director of lay ministry or associate dean.

Concomitantly with field education, students must enroll in a theological reflection group, which normally meets approximately 10 times over the course of an academic year. Registration for the group is made through the associate dean.

III. Spiritual Formation

The formation program has three components. The first is the "Foundational Spiritual Experience." A cognitive and experiential introduction to the spiritual life, this year-long program is offered annually. The sessions revolve around movements in the spiritual exercises. Shared liturgy, instruction, faith-sharing and communal prayer are some of the elements. Participants should register in the summer. Participation in the program early in the course of study is encouraged.

The second component of formation is spiritual direction. A list of recommended directors, persons associated in some way with the School who are familiar with the program and its goals, is available from the director of lay ministry, with whom each student will record his/her choice.

The third formation component is a retreat of several days made at some time during the course of studies. A file of area

retreat houses and their schedules is maintained in the library. When the retreat has been completed, the student should inform the director of lay ministry.

IV. Integration Seminar and Final Comprehensive Project

All students must enroll in and successfully complete the three-credit Integration Seminar (PTHO 9101). Completion of this seminar involves successful preparation of an acceptable final comprehensive project in ministry, attesting to the student's successful integration of theological knowledge and pastoral expertise with its appropriate application to a selected pastoral issue. Copies of the final project will be submitted to the ICSST Library.

Master of Divinity (M.Div.)

The Master of Divinity program is the first professional degree providing theological training for those preparing to undertake ministry in the Roman Catholic Church primarily through ordination to the priesthood. While the usual candidate admitted to the M.Div. program is a seminarian preparing for the Roman Catholic priesthood, persons not seeking ordination may be admitted to this program, at the discretion of the rector-dean, provided they meet all other requirements.

Admission Requirements

In addition to the University's general admission requirements for graduate study and the special admission requirements for all ICSST programs, M.Div. applicants:

- must undertake psychological testing, according to protocols issued by the Office of the Rector-Dean;
- must have a personal interview with the Rector-Dean and/or Admissions Committee. Scheduling for such interviews is initiated by ICSST; and
- should have earned at least 12 undergraduate hours in religious studies/theology and at least 24 undergraduate hours in philosophy as part of their undergraduate education. Deficiencies in these distributions may be remedied through the Pretheology program at ICSST.

Note: In the case of seminarians preparing for the priesthood who are already affiliated with a diocese or religious community, on-site testing at Seton Hall University for English language abilities (with possible additional requirements in ESL classes) may be substituted for the TOEFL.

Matriculation Requirements

M.Div. students must maintain at least a 3.000 GPA (on a 4.000) scale in all pastoral theology courses and at least a 2.500 GPA in each of the biblical, historical, moral and systematics areas.

Degree programs should be completed within six years unless extension of time is granted upon petition to the ICSST Educational Policy Committee due to extenuating circumstances.

Degree Requirements

The M.Div. curriculum consists of four components: course work; field education and theological reflection; spiritual formation; and the M.Div. Comprehensive Project and Seminar. These components are divided as follows:

I. Coursework (72 credits):

Students must complete academic coursework according to the following distribution:

A. Biblical Studies (12 credits):

Select any two of the following three Old Testament courses:

BIBL 6201, 6203, 6205		
BIBL 6501	Synoptic Gospels (or specific study of a Gospel)	6 3
BIBL 6505	Pauline Literature	3

B. Historical Studies (6 credits):

HSTD 6301	Mediterranean Christianity	3
Select any other HSTD course.		

C. Moral Theology (6 credits):

CETH 6101	Christian Ethics I	3
CETH 6102	Christian Ethics II	3

D. Pastoral Theology (27 credits):

Candidates pursuing ordination to the priesthood must select the courses listed below. The non-ordination M.Div. candidate must complete 27 credits of PTHO courses selected in light of the student's present/prospective ministerial needs and in conjunction with his/her academic adviser.

PTHO 6109	Introduction to Preaching	2
PTHO 6112	Preaching Practicum I	2
PTHO 6113	Preaching Practicum II	2
PTHO 6201	Pastoral Psychology	3
PTHO 6202	Pastoral Counseling	3
PTHO 6401	General Canon Law	3
PTHO 6405	Canon Law of Marriage	3
PTHO 6715	Spiritual Direction	3
Select one of the following catechetical courses:		
PTHO 6301	Parish as Learning Community	3
PTHO 6323	Adult Catechesis	3
Select courses in spirituality in consultation with one's adviser.		

E. Systematic Theology (21 credits):

STHO 6202	Revelation and Faith	3
STHO 6203	Christology	3
STHO 6204	Trinity	3
STHO 6205	Christian Anthropology	3
STHO 6207	Ecclesiology	3
STHO 6503	Sacraments of Initiation	3
Select one of the following:		
STHO 6501	Worship	3
STHO 6505	Eucharist	3

II. Field Education and Theological Reflection

All students must complete the equivalent of 12 credits of field education. ICSST conducts a field education program for seminarians during their second and third years of studies. Other ways in which the field education requirement can be met include: (1) four semesters of supervised field education experience of six to eight hours weekly at an approved site; (2) two such semesters and a six-week internship of at least five days per week for at least six weeks; (3) clinical pastoral education. ICSST must approve the proposed method of complying with the field education requirement.

Concomitantly with field education, all students must participate in a theological reflection group, meeting approximately 10 times during the course of the academic year (two semesters). Registration for a group is accomplished through the associate dean.

III. Spiritual Formation

ICSST provides an integrated spiritual formation program for residential seminarians enrolled in the M.Div. Program, based on the vision of Pope John Paul II's Apostolic Exhortation *Pastores dabo vobis*. The program includes daily celebration of the Eucharist and the Liturgy of the Hours; a weekly group formational program, which includes distinguished speakers brought in for seminarians; a regular structure of personal mentoring and spiritual direction; days of reflection and organized retreats; and participation in a summer program of enhanced spiritual formation after I and III Theology, in conjunction with the National Institute for Clergy Formation. Residential students are regularly reviewed and assessed by the formation faculty. Non-residential seminarians usually participate in the formation programs of their own communities, though they are welcome to avail themselves of formational opportunities at ICSST as may be beneficial to them. Lay students participate in the same formation program outlined under III. Spiritual Formation of the M.A.P.M. degree program.

IV. M.Div. Comprehensive Seminar and Project

All M.Div. students must enroll in and successfully complete the combined 3-credit PTHO 9102-9103 M.Div. Seminar I-II. The student completes the seminar by submission of an acceptable M.Div. comprehensive project demonstrating successful integration of theological knowledge with application to a concrete pastoral issue. Copies of the M.Div. project will be submitted to the ICSST Library.

Special Program in Catholic Schools Leadership

In conjunction with Seton Hall's College of Education and Human Services, ICSST offers students the possibility of earning a master's degree and obtaining New Jersey principal certification. Through a special program geared for Catholic school leaders, students move through the two-year, two-summer program in intensive format as a cohort. For additional details, contact the associate dean, College of Education and Human Services, (973) 275-2854.

Special Program in Church Administration

In conjunction with the Center for Public Service of Seton Hall University, ICSST offers students the possibility of earning the Master of Public Administration (M.P.A.) degree with a concentration in Church Administration. For additional details, contact the associate dean.

Academic Program for Priesthood Candidates

The 128-132 credit Academic Program for Priesthood Candidates is the prescribed curriculum at ICSST for all seminarians seeking ordination to the Roman Catholic priesthood, complying

with the requirements of the Program of Priestly Formation, 4th ed., of the National Conference of Catholic Bishops. Students meeting the requirements of this program automatically fulfill the requirements of the M.Div. program. The prescribed seminarian curriculum is:

First Year

Fall Semester: 15 credits

	Credits	
BIBL 6501	Synoptic Gospels	3
HSTD 6301	Mediterranean Christianity	3
PTHO 6011	Oral Interpretation	1
PTHO 6518	Integrating Music and Liturgical Celebration	2
STHO 6202	Revelation and Faith	3
STHO 6501	Worship of the Church	3

Spring Semester: 18 credits

BIBL 6503	Johannine Literature	3
CETH 6101	Christian Ethics I	3
HSTD 6302	European Christianity	3
STHO 6201	Contemporary Foundations for Theology	3
STHO 6203	Christology	3
STHO 6503	Sacraments of Initiation	3

Second Year

Fall Semester: 18 credits

BIBL 6505	Pauline Literature	3
CETH 6102	Christian Ethics II	3
HSTD 6303	World Christianity	3
PTHO 6201	Pastoral Psychology	3
STHO 6207	Ecclesiology	3
Field Education		3

Spring Semester: 20 credits

BIBL 6201	Pentateuch	3
CETH 6205	Healthcare Ethics	3
HSTD 6807	American Christianity	3
PTHO 6109	Introduction to Preaching	2
PTHO 6202	Pastoral Counseling	3
STHO 6208	Mission and Ministry	3
Field Education		3

Third Year

Fall Semester: 17 credits

BIBL 6203	Prophetic Literature	3
CETH 6306	Catholic Sexual Teaching	3
PTHO 6112	Preaching Practicum I	2
STHO 6204	Trinity	3
STHO 6205	Christian Anthropology	3
Field Education		3

Spring Semester: 15 credits

BIBL 6205	Wisdom Literature and Psalms	3
CETH 6407	Catholic Social Teaching	3
PTHO 6401	General Canon Law	3
PTHO 6503	Liturgical Practicum	2
PTHO 9102	M.Div. Comprehensive Seminar I	1
Field Education		3

Fourth Year

Fall Semester: 10 credits

PTHO 6113	Preaching Practicum II	2
PTHO 6405	Canon Law Marriage	3
PTHO 9103	M.Div. Comprehensive Seminar II	2
STHO 6505	Eucharist	3

Spring Semester: 12 credits

PTHO 6715	Spiritual Direction	3
STHO 6507	Reconciliation and Anointing of the Sick	3
STHO 6509	Christian Marriage	3
<i>Select one of the following two courses:</i>		3
PTHO 6301	Parish as Learning Community or	
PTHO 6323	Adult Catechesis	

**Seminarians for whom English is their primary language and who are studying for dioceses which require Spanish language proficiency also take PTHO 6007 and PTHO 6008, Pastoral Spanish I and II, in their third or fourth year of theological studies. These courses are offered in two consecutive semesters every other academic year.*

Additional Requirements

In addition to the above, seminarians must take at least 3 additional credits in spirituality.

Joint M.Div./M.A. Option

In the course of complying with the "Academic Program for Priesthood Candidates," a student also meets all requirements for the M.Div. degree. Because there are, however, about 50 credits in the "Academic Program for Priesthood Candidates" not applied towards the M.Div., a student may apply them towards the M.A. in Theology, either in research or general format. Credits cannot serve "double-duty." What is applied toward one degree cannot be used toward the other, but if a student has met all the requirements of the Academic Program for Priesthood Candidates, he needs the following additional credits to meet credit requirements in his concentration area of the M.A.: systematics – 6; moral theology – 12; Church history – 15; biblical studies – 15, plus Greek and Hebrew requirements.

Remaining Requirements:

(I) For students choosing the research format: language reading requirements, comprehensive examinations and thesis; (II) for students choosing the general format: the M.A. seminar also must be passed successfully. In the four years of preparation for the priesthood it is possible to complete all coursework requirements (in either degree format) and, where applicable, language requirements. Students choosing the research option normally complete comprehensives and thesis after ordination. The M.A. is conferred one semester after the M.Div. For more information on the joint degree option, contact the associate dean at (973) 761-9576.

Pretheology Program

The Pretheology Program provides required courses in the areas of undergraduate philosophy and theology to meet the requirements of the National Conference of Catholic Bishops' Program of Priestly Formation, 4th edition, for admission to studies for the priesthood.

Students whose undergraduate preparation meets some but not all courses in this sequence may be exempted from particular requirements. The normal course sequence is:

Fall Semester		Credits
BIBL 1801	Scripture as a Source of Christian Prayer	3
PLTL 1111	History of Philosophy I	3
PLTL 1211	Philosophical Ethics	3
PLTL 1411	Logic and Epistemology	3
PTHO 1504	Conversion Processes and the Catholic Community	3

Spring Semester		Credits
PLTL 1112	History of Philosophy II	3
PLTL 1218	Philosophy of Being	3
PLTL 1416	Philosophy of God	3
PTHO 1505	Social Institutions and the Call to Holiness	3
STHO 1801	Catholic Identity and Belief	3

Summer Sessions

Take six credits undergraduate religious studies courses.

PLTL 1214	Philosophy of Person	3
PLTL 1412	Contemporary Philosophy	3

Certificates

An ICSST certificate attests to the completion of a substantial and coherent program of learning, involving 12 to 24 credits in a given area of study, without completion of all the requirements for a degree program. A certificate program allows some students to finish a discrete program of learning and obtain a credential for it. Other students may use a certificate program as a way of "testing the waters" prior to and/or *en route* to completion of a degree program. A certificate can be earned concurrently with a degree. ICSST offers the following seven certificate programs:

Certificate Program in Catechetical Ministry

For persons working/seeking to work in the fields of catechetics/religious education.

Admissions Policy: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Six courses (18 credits), four from core courses and two electives.

Core Courses: (12 credits) PTHO 6301, 6323, 6325, 6327, 9101.

Electives: Six credits in catechetics courses or related courses approved by the adviser, e.g., PTHO 6339, 6340, 6341, 6342, 6343, 6515, 6644, 6646, 6938, 6942.

Admission requirements: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Twenty four credits, divided in such a way that there are 3 credits in each of the following areas: (1) scripture; (2) liturgy/sacraments; (3) Church history; (4) Church/ministry; (5) moral theology; (6) ministry skills; and 6 additional credits in courses in pastoral ministry. The selection of particular courses and their assignment to each of the requirement areas is to be done with the approval of the student's academic adviser.

Certificate Program in Pastoral Ministry

For persons working or seeking to work in pastoral ministry settings broadly considered.

Admission Requirements: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Twenty four credits, divided in such a way that there are 3 credits in each of the following areas: (1) scripture; (2) liturgy/sacraments; (3) Church history; (4) Church/ministry; (5) moral theology; (6) ministry skills; and 6 additional credits in courses in pastoral ministry. The selection of particular courses and their assignment to each of the requirement areas is to be done with the approval of the student's academic adviser.

Certificate Program in Scripture Studies

For persons working/seeking to work in religious education, catechetics or leading parish Scripture study groups; also for persons wanting to extend and deepen their personal knowledge of Sacred Scripture.

Admission Requirements: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Students select one of two possible tracks: Scripture or Bible Teaching. Both tracks require the completion of 18 credits. For the Scripture track, students must complete 9 required credits (BIBL 6201, 6501 and 6505) plus any 9 additional BIBL credits. For the Bible Teaching track, students must complete 12 required credits (BIBL 6201, 6501, 6505; PTHO 6301) plus an additional 6 credits, either all in BIBL courses or 3 additional credits in BIBL courses and 3 credits in appropriate catechetics courses chosen in conjunction with one's adviser. Both tracks require submission of a final paper (approximately 20 pages) to a permanent faculty member of the program. For Scripture track students, the paper must attest to integration of coursework across the various subjects studied. For Scripture and Bible Teaching track students, the paper must demonstrate integration of scriptural knowledge with sound catechetical application.

Certificate Program in Studies in Christian Spirituality

For persons interested in a systematic and theoretical grounding in Christian spirituality; persons working in spiritual direction or associated with centers involved in the area of spirituality: campus ministers; adult educators; formation personnel; RCIA leaders; retreat leaders; and clergy.

Admission Requirements: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Eighteen credits, 12 of which must be in HSTD 6310 or PTHO 6726; PTHO 6728 or STHO 6728; PTHO 6718; and PTHO 9101. Six elective credits including 3 credits in the area of systematic theology (e.g., STHO 6501) and 3 credits in particular areas of spirituality (e.g., PTHO 6724, 6742-46).

Collaborators: This certificate program is offered in collaboration with the Jesuit Center for Spiritual Growth (Wernersville, PA); the School of Spirituality of the Center for Spiritual Development, (Rye, New York); the Center for Spirituality and Justice (Bronx, NY); and the Upper Room Spiritual Center (Neptune, NJ).

Certificate Program in Youth Ministry

For persons working/seeking to work in youth ministry, religious education, catechetics or other programs involved with adolescents and young people.

Admission Requirements: Students must meet the same requirements as the M.A. in Pastoral Ministry program, except that the GRE/MAT and psychological testing are not required.

Course Requirements: Twelve credits, consisting of PTHO 6644, 6645, 6646 and 6647. These courses are offered over a two year cycle at the rate of one course per semester. Courses meet intensively on a Saturday and Sunday twice in a given semester. Students may enter the cycle at the beginning of any semester, but must complete all four semesters to earn the certificate. Since these courses are offered in conjunction with the Center for Ministry Development of Naugatuck, Connecticut, completion of the cycle also renders the student eligible to receive the Center's certificate, conferred concurrently with Seton Hall's.

B.S./M.A. Program for Neocatechumanal Way Seminarians

In conjunction with the College of Education and Human Services, ICSST offers a six-year program for international students from the Neocatechumanal Way who lack an American baccalaureate degree or its equivalent. The program, which includes undergraduate core requirements, coursework in education and philosophy, and theological coursework necessary for ordination, results in students earning a B.S. from the College of Education and Human Services and an M.A. in theology from ICSST. For more information, contact the Reverend C. Anthony Ziccardi, associate dean, ICSST.

Course Descriptions

BIBL 1801 Scripture as Source of Christian Prayer

A study of Christian prayer as rooted in Sacred Scripture. The Psalms as prayer, both in understanding them in their biblical

context and in their subsequent use by the Church (e.g., in the Liturgy of the Hours). Pretheology Program/Undergraduate credit only. *3 credits.*

BIBL 6004 New Testament Greek I

An introductory course in New Testament Greek grammar with intensive exercises intended to develop facility in reading simple passages from the Gospels. *2 credits.*

BIBL 6005 New Testament Greek II

An introduction to middle voice, the aorist, perfect, pluperfect and aorist passive stems of the verb, participles and conditional sentences. Mastering the Greek verb: tenses, moods and voices. A study of grammar accompanied by a continuous reading of the Gospel of Mark. *2 credits.*

BIBL 6101 Criticism and Hermeneutics

A study of the "quest for the historical Jesus" from Reimarus to Schweitzer. Examines how the very dichotomy between the Jesus of History and the kerygmatic Christ led to the current theological emphasis on hermeneutical theory. Theories of interpretation include those of Bultmann, Gadamer and Ricoeur. *3 credits.*

BIBL 6111 Biblical Hebrew I

An introduction to the most basic elements of Hebrew grammar with accent on the noun and the qal stem of the verb, Hebrew thought patterns and sentence structure, plus instruction in use of a Hebrew lexicon. A study of grammar accompanied by selected readings from Genesis. *2 credits.*

BIBL 6112 Biblical Hebrew II

A continuation of BIBL 6111. *2 credits.*

BIBL 6201 Pentateuch

Introduction to critical theories useful to Pentateuchal research; historical and geographical context of the Pentateuch; literary genres; development of Pentateuchal books and their underlying theologies; exegesis of selected passages. *3 credits.*

BIBL 6203 Prophetic Literature

A study of the authority, role and key concepts of the Hebrew prophets in the context of their own times and the possible paradigms for the present; an in-depth study of significant passages in the classical prophets; exegesis of selected texts. *3 credits.*

BIBL 6205 Wisdom Literature and Psalms

An examination of the notion of wisdom in the ancient Near East; genre of wisdom literature; close examination of selected sapiential books; study of various types of Psalms, their significance in Israel and their importance to the Church today; exegesis of selected passages. *3 credits.*

BIBL 6220 Isaiah

A study of the Book of Isaiah, with attention to questions of authorship, composition, literary genres and theologies; exegesis of selected passages; relationship of Isaiah to various New Testament books. *3 credits.*

BIBL 6250 Pseudepigrapha of the Hebrew Bible

An examination of the phenomenon of pseudepigraphal literature and the historical/theological context in which it arose; relationship of pseudepigrapha to canonical books of the Old Testament and their relevance to scriptural studies; a survey of selected pseudepigraphal Old Testament books, reviewing their origins, literary genre and theological significance; exegesis of selected passages. *3 credits.*

BIBL 6501 Synoptic Gospels

An historical and critical approach to the study of the gospels, its limits and benefits, and its acceptability to the Church. The "synoptic problem" and the consequences of its resolution for study of the gospels. Diverse forms within the gospels and the characteristics of each gospel. *3 credits.*

BIBL 6503 Johannine Literature

Consideration of the general characteristics, literary relationships, possible sources, overall structure and recurrent themes in John's Gospel; numerous passages exegeted. Overview of the Johannine epistles and their historical context. *3 credits.*

BIBL 6505 Pauline Literature

Treatment of Paul's life and background; introduction to each of Paul's letters with attention to the historical situation and major interpretive concerns associated with each; theological development as evidenced from letter to letter; exegesis of selected passages. *3 credits.*

BIBL 6507 Luke-Acts

A study of the Lucan corpus from viewpoint of its origins, interrelationships, authorship, literary style and key theological concerns; relationship of Luke to other Synoptics as well as his particular characteristics; exegesis of selected passages in the Gospel and Acts. *3 credits.*

BIBL 6509 Gospel of Matthew

A study of Matthew's Gospel from the viewpoint of its origins, authorship, literary style and key theological concerns; relationship of Matthew to the other Synoptics; Jewish elements in Matthew (e.g., relationship to Old Testament); exegesis of selected texts. *3 credits.*

BIBL 6511 Gospel of Mark

A study of Mark from the viewpoint of its origins, authorship, literary style and key theological concerns; relationship of Mark to the other Synoptics as well as unique characteristics of the Gospel; exegesis of selected texts. *3 credits.*

BIBL 6521 Parables and Preaching

An exegetical-theological analysis of the parables from the lips of Jesus to the Church's pulpit. The place of the parables in Jesus' preaching, their interpretation in the Church yesterday and today and their meaning and message for the past and present. *3 credits.*

BIBL 6523 Miracles of Jesus

A study of the miracles in Jesus' ministry: Jesus' and His contemporaries attitude toward miracles; the relationship of miracles to preaching the Kingdom; issues of the Form Critical School; exegesis of selected passages. *3 credits.*

BIBL 6525 Spirituality of the Synoptics

A study of the Synoptics as basic sources of Christian spirituality, dealing with issues of faith, belief, prayer, relationship with God, sacraments and other selected issues. *3 credits.*

BIBL 6527 Spirituality of John

A study of the Gospel of John from the viewpoint of his spiritual doctrine; the role of faith for John; Jesus' "signs" and their Christological significance; antinomies in the Gospel of John: light/darkness, life/death; prayer in John. *3 credits.*

BIBL 6529 Spirituality of the Old Testament

The OT insight into the progressive revelation of Divine Presence and Fidelity. A study of the creation stories; the Exodus event; the sagas; Divine forgiveness and faithfulness; the call to holiness, and its particular and universal aspects. *3 credits.*

BIBL 6595 Book of Revelation

A study of the Book of Revelation, examining issues related to its authorship and interpretation. Analysis of the book within the context of the apocalyptic genre followed by a study of its particular message and theology of hope. Special attention to imagery and symbolism in Revelation. *3 credits.*

BIBL 6601 Romans and Galatians

A study of Romans and Galatians from the viewpoint of origins, authorship, style, purpose and theological significance; key elements of Pauline doctrine in the two letters; exegesis of selected passages. *3 credits.*

CETH 6101 Christian Ethics I

An investigation of Catholic moral theology from the viewpoint of its history and contemporary concerns. Definition of moral theology's scope and purpose, followed by an examination of Scripture and moral theology; the distinctive nature of Catholic moral teaching; natural law and moral norms. *3 credits.*

CETH 6102 Christian Ethics II

Building on the subject matter in CETH 6101, an examination of the relationship of morality to culture; ecclesial dimensions of moral theology; conscience; sin; virtue; moral decision-making; and the ways these themes are expressed in the Catholic tradition and contemporary theological reflection. *3 credits.*

CETH 6113 Theology of Sin

A study of the theology of sin and conversion: biblical origins; theological development; magisterial teaching; classical authors; contemporary speculation. *3 credits.*

CETH 6117 The Bible and Christian Morality

The role and use of Scripture in moral theology: historical development, contemporary issues, methodological questions; the question of a distinctive Christian ethic. *3 credits.*

CETH 6118 Augustine's Moral Theology

A study of the contributions of St. Augustine of Hippo to the development of Catholic moral theology: his personal experience and conversion; themes in his fundamental moral theology (e.g., nature of evil, grace and freedom, conversion); issues in applied moral theology (e.g., sexual ethics); Augustinian influences on subsequent development of moral theology. *3 credits.*

CETH 6120 Thomistic Ethics

A study of the contributions of St. Thomas Aquinas to the development of Catholic moral theology, focusing on this use of the theological and cardinal virtues, particularly in the *Summa Theologiae*, I-II; Thomas' treatment of themes in fundamental moral theology, e.g., nature of moral norms; law and grace; Thomistic influences on subsequent development of moral theology. *3 credits.*

CETH 6121 Christ, Morality and the Sacraments

Focusing on the question of the meaning and reason for suffering in redemption, a study of Aquinas' text of Christ's Passion. An examination of how Divine Providence acts through the Son's human actions of suffering to bring about his exaltation and a new relationship to God, the world and us. Concluding commentary on how Christ, as instrument of the Godhead and in His own person, influences our human acts of suffering, through the sacraments, to bring similar results. *3 credits.*

CETH 6205 Healthcare Ethics

To develop skills in using Catholic Church teaching and Natural Law argumentation, an examination of the concepts of health, the human person, personal and social responsibility, confidentiality, reproductive technologies, abortion, medical research, experimentation, transplants, psychotherapy, addiction, suicide, euthanasia and care of the disabled, those with AIDS and the dying. Prerequisite: CETH 6101 or 6102. *3 credits.*

CETH 6207 Contemporary Issues in Medical Ethics

In-depth study of selected issues in contemporary medical ethics, as established by the professor and students and in light of contemporaneous discussion in bioethics. Prerequisite: CETH 6205. *3 credits.*

CETH 6209 Pastoral Care of the Homosexual

Pastoral care of homosexual persons in light of the Church's teachings; aetiological and clinical aspects of homosexuality; ethical issues; pastoral strategies for dealing with homosexual persons (e.g., Courage); HIV-AIDS; molestation, sexual compulsion and other issues. *3 credits.*

CETH 6213 Ethical Issues in Death and Dying

A survey of ethical issues associated with death and dying; definition of death; ordinary and extraordinary means of preserving life; removal of artificially supplied nutrition and hydration; organ transplants; physician-assisted suicide and euthanasia. Issues associated with specific groups of persons: denial of treatment to the newborn and handicapped. An examination of opinions of secular bioethics in light of Catholic principles. *3 credits.*

CETH 6306 Catholic Sexual Teaching

An historical and systematic study of Church teaching using the scriptures, guest lectures, case studies and film to develop a cognitive and affective appreciation of the Catholic view of human sexuality. The course considers chastity, friendship, spousal love, procreation, natural family planning, extramarital sex, masturbation, homosexuality and birth control. Prerequisites: CETH 6101 and CETH 6205. *3 credits.*

CETH 6310 Sexuality, Friendship and Christian Perfection

A theological appreciation of human sexuality at its physical, psychological, socio-moral and spiritual levels in the context of a person's call to Christian perfection, aimed at assisting the student to integrate sexuality with a call either to celibacy or marriage and a call to contemplation. *3 credits.*

CETH 6407 Catholic Social Teaching

An exploration of the theological warrants for Catholic social justice ministry, its scriptural foundations, and its major principles as articulated in papal and episcopal documents. The application of these principles to family, to work, to economic systems and to political orders. An examination of the various ways that local churches and parishes can be effective instruments in bringing about God's reign of peace and justice. *3 credits.*

CETH 6408 Family: Theology and Public Policy

Catholic social thought regards the family as the basic cell of society. A study of Catholic theology of marriage/family and its social implications; application of the Catholic vision of marriage/family in a pluralistic and democratic society in public policy fora; examines contemporary public policy issues in which the Catholic understanding of family is implicated (e.g., tax policy, welfare and social benefits policies, immigration, etc.). *3 credits.*

CETH 6409 War and Christian Conscience

A survey of historical movements, issues and ideas that contributed to the evolution of Christian thought on the morality of war, including: the Old Testament and the theory of holy war; early Church and conscription; Crusades; just war theories; pacifism; knighthood; Magisterial teaching on war and peace; and contemporary issues. *3 credits.*

CETH 6417 Law and Public Morality

The relationship between Christian morality and the formation of public policy in a pluralistic democratic setting. In-depth readings from selected works of Aquinas, Maritain, Simon, Murray and Niebuhr as well as papal and American episcopal teaching. The nature of law; relationship of law, morality and faith; Christian discernment in formation of public policy; the role of the laity; responsibilities of Catholic officeholders. *3 credits.*

CETH 6421 Theology of Work

Systematic reflection on the meaning of work within the framework of the Catholic Christian tradition. Drawing on that tradition, past and present, a discussion of how contemporary experience of work relates to the saving mystery of Christ. *3 credits.*

CETH 6425 Introduction to Work-Life Ministry

An examination of the work culture encountered by CEOs, middle managers and professionals as well as trade and service personnel; macrosocioeconomic realities in contemporary America; and the world of displaced and chronically underemployed persons. An introduction to the theological understandings of work as established in the Catholic Christian tradition, along with selected themes in a Catholic spirituality of work. *3 credits.*

HSTD 6222 Popes and the Papacy

The institution of the papacy and individual holders of the papal office; a survey of major periods in the development of Catholicism from the perspective of the papacy; special attention given to the last century and an investigation/analysis of the papal office. *3 credits.*

HSTD 6224 Eastern Christianity

An overview of Eastern Christian Churches including: Catholic, Orthodox, non-Chalcedonian, and others. Origins and development, especially with regard to ecclesiology, theology and culture; examines themes in Eastern Christian spirituality and art, historical origins of the separation between East and West, and current ecumenical situation. *3 credits.*

HSTD 6226 Ecumenical Councils

A study of the concept of the Church as custodian of tradition, focusing on the ecumenical council as vehicle for discernment and teaching of Catholic doctrine. Specific theological and disciplinary questions addressed by each Council. Emphasis on ecclesial life, questions and problems in daily Church life, using historical criticism and theological method. *3 credits.*

HSTD 6228 Church Art and Architecture

The use of archaeology in discovering many insights into the lives and beliefs of early Christians; Christian art in various ages as an expression of belief and practice; the effect of contemporary art on Christian artistic expression; a focus on ecclesiastical architecture as a phenomenon reflecting the worship practices of a people and as a creative force in society. *3 credits.*

HSTD 6301 Mediterranean Christianity

The development of Christianity from the close of the Apostolic/Second Temple periods (ca 100 A.D.) to the creation of the Papal States and the evangelization of Northern Europe (ca 750 A.D.). Survey of Patristic texts and other primary sources to illustrate the Church's passage from its Semitic roots into the Hellenistic and Germanic worlds. Special attention to institutional and sacramental development; persecutions; the Constantinian revolution; early Councils; the collapse of the Western Roman Empire; and the development of Eastern Christianity. *3 credits.*

HSTD 6302 European Christianity

A study of the development of Latin Christianity in the period from the consolidation of Western Mediterranean Christianity to the beginnings of the Age of Discovery (750-1492): the evangelization of the Germanic and Western Slav peoples; the impact of Islam; Roman-Byzantine disputes; the Crusades; development of the papal office; Church-State controversies; origins of religious orders and the culture of the Middle Ages; and the influence of the Renaissance. *3 credits.*

HSTD 6303 World Christianity

A study of the development of Christianity from the encounters of European and American cultures to the present: the evangelization of the Americas; the Reformation; the Council of Trent; philosophical, political and scientific revolutions in the 18th to 20th centuries; the evangelization of Asia, Africa and the Pacific; Vatican II; current issues connected with the Church's enculturation among a variety of peoples. *3 credits.*

HSTD 6310 History of Spirituality

A survey of the history of Christian spirituality: Biblical origins; Patristic period; Desert Fathers; Benedict; Augustine; Benedictine Reforms; Franciscan and Dominican renewals; medieval spirituality; Rhineland Mystics; Ignatius; Francis de Sales; Sulpician influences; 20th-century movements; Vatican II; and contemporary situations (*Cross-referenced to PTHO 6726*). *3 credits.*

HSTD 6401 Early Christianity

A review of the period from the first post-canonical writers to the Council of Chalcedon, concluding with a brief overview of the remaining three centuries of the Patristic era. Emphasis on theological developments and the contributions thereto by the Church Fathers as well as the relationship of the Church to the world at large socially and politically. *3 credits.*

HSTD 6405 Early Christian Art

Beginning with the catacomb paintings of the early third century and concluding with ninth century Roman mosaics, a survey of ancient Christian art through slide presentations, discussions of notable productions, and visits to local museums. Particular attention to the development of the image of Christ during this period, which serves as a complement to a more speculative, text-based approach to Christology. *3 credits.*

HSTD 6413 Patristic Literature

A study of the period from the Apostolic Fathers to the death of Augustine, focusing on a different work each week with an emphasis on a particular Father and a specific theme. *3 credits.*

HSTD 6415 Introduction to Augustine

An introduction to the thought of Augustine based on close readings of various texts. *3 credits.*

HSTD 6420 Augustine and the Bible

An examination of Augustine's use of the Bible in his writings; Patristic exegesis; his understanding of revelation, inspiration, canonicity; and specific exegetical issues. *3 credits.*

HSTD 6421 Patristic Spirituality

A consideration of key themes in the Fathers of the Church: martyrdom, virginity, monasticism, liturgical and other prayer. The examination of a representative Patristic text per session. *3 credits.*

HSTD 6422 Augustine's Spirituality

An overview of prominent themes in an Augustinian spirituality: Augustine-his life and writings, with special attention to *Confessions* and *City of God*; examines key themes in Augustinian spirituality; institutionalization of Augustinian spirituality in the Church's life and influence of Augustinian elements in Catholic spirituality in general (*Cross-referenced to PTHO 6738*). *3 credits.*

HSTD 6611 Medieval Christianity

From Charlemagne to the Renaissance, the development of ecclesiastical structures and the theological and secular forces which shaped them. The creation of "Christendom" through a fusing of Latin, Germanic and Christian elements in contrast to today's secular society. Monasticism and long-term implications of the idealization of monastic spirituality; origins of some contemporary religious practices and doctrinal questions and the pastoral heritage of this period in popular religious thought. *3 credits.*

HSTD 6710 Women Mystics

An exploration of the phenomenon and meaning of mysticism. A study of the lives, times, and spirituality of such women mystics as Theresa of Avila, Thérèse of Lisieux, Edith Stein, Catherine of Siena, Faustina, Elizabeth of the Trinity and Julian of Norwich. An analysis of their major writings, including autobiographies, letters, and poetry. (*Cross-referenced to PTHO 6710.*) *3 credits.*

HSTD 6801 Church in Latin America

A survey of the Catholic Church in Latin America from the time of the Spanish and Portuguese explorers to the present; colonial regimes and the Church; independence; the Church in selected Latin American countries; current trends in Latin American Catholicism. *3 credits.*

HSTD 6807 American Christianity

The development of Christianity in the Americas from the beginnings of evangelization to the present, focusing on the Catholic Church in the U.S.: the impact of the English Reformation as setting the stage for the major cultural forces influencing the present-day U.S.; growth of the Church in the English colonies and its subsequent expansion, particularly due to 19th and 20th century immigration; Catholic education and the evolution of pastoral ministry; issues facing Catholicism in its contemporary encounter with cultural forces in America today. *3 credits.*

HSTD 6809 History of Christianity

An overview of the development of Christianity from its origins to the present: the evolution of Christianity from a movement within Judaism to a world religion; Church polity, belief and spirituality in succeeding periods; current challenges facing contemporary Christianity. Issues such as Church-State relations, the Reformation and the influence of the Enlightenment on the Church are major themes. *3 credits.*

HSTD 6813 The Reformation

The spiritual, intellectual and political background of the sixteenth century, focusing on the strains of the major reforms: Lutheran, Calvinist, Anglican, Anabaptist and Catholic. Consideration of the major theological questions in context of their *sitz-im-leben*. Ecumenical and ecclesiological issues today. *3 credits.*

HSTD 6825 Modern Christianity

The influence of the Enlightenment on 18th century Europe and the secularization of society after the French Revolution; 19th century tendencies towards centralization and ultramontanist; the Second Vatican Council and its roots in 18th, 19th and 20th century scholarship; selected issues. *3 credits.*

HSTD 6827 Modern European Church

A survey of the Catholic Church in Europe since 1789, including its relations to the French Revolution and Bonaparte; the Catholic revival; the Church and European revolutions; ultramontanist; Vatican I; industrial revolution; Modernism; the missionary movement; World Wars I and II; Vatican II. *3 credits.*

HSTD 6830 History of African Christianity

An overview of the history of African Christianity, with emphasis on sub-Saharan regions, exploring missionary work, encounter with local cultures, general African beliefs, current developments, inculturation and liturgical adaptation and trends in African theology. *3 credits.*

HSTD 6837 Church in New Jersey

Using diocesan and institutional archives in the custody of the NJ Catholic Historical Records Commission at Seton Hall, an investigation and analysis of archival sources and other primary source materials. Research required of a particular topic using archival materials. *3 credits.*

HSTD 6896 History of Black Catholicism

Against the larger backdrop of U.S. history, a study of African-Americans in the Catholic Church in the United States: origins, historical development, present situation, trends for the future. 3 credits.

PLTL 1111 History of Philosophy I

An initiation into philosophical thinking focusing on ancient and medieval philosophy. Special attention to the influences of Greek philosophy and the Gospel on each other. Includes: pre-Socratics; Socrates; Plato; Aristotle; Stoicism; Epicureanism; Neoplatonism; Augustine; Boethius; Bonaventure; and Aquinas. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1112 History of Philosophy II

An examination of four themes in modern and contemporary philosophy, starting with Ockham and Bacon through Descartes, Locke, the Empiricists, Enlightenment and contemporaries: the mind-body problem; success of the natural sciences; expansion of liberty and equality; the question of God. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1211 Philosophical Ethics

The question of the moral nature of human action, what makes actions good and bad and how this is knowable. An examination of different ethical systems along with the metaphysics they presuppose. Representative authors: Aristotle, Aquinas, Kant and Mill. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1214 Philosophy of Person

Basic issues of human reality and philosophical anthropology, including: fact of being; relation of body and soul; cognition; spirituality; relation of self to society; religion; and death. A discussion of St. Thomas' realist metaphysics, contemporary existentialism and phenomenological methodology in the context of the spirituality of the soul. The role of the imagination and the subconscious, the meaning of male and female, and the role of the person in society. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1218 Philosophy of Being

A classical description of being in terms of essence of being; substance and accidents; transcendental characteristics of being; the laws of being such as the four causes. Alternative metaphysical systems as related to theology. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1411 Logic and Epistemology

A study of logic, including the structure of reason; the rules reason uses to attain to truth; the relationship between traditional logic and modern symbolic knowledge. A study of epistemology, including a consideration of the ontological nature of human knowledge as knowledge, followed by an historical survey of epistemological theory with special emphasis on the rise of critical philosophy in the modern period. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1412 Contemporary Philosophy

Essential preparation for reading contemporary theology through a survey of contemporary philosophy, including: phenomenology; existentialism; transcendental Thomism; Marxism; logical positivism; analytical philosophy; and process philosophy. Pretheology program/undergraduate credit only. 3 credits.

PLTL 1416 Philosophy of God

That part of metaphysics dealing with Being that is first absolutely. First principles and natural knowledge; arguments for the existence of God; ways to God, including the Thomistic approach; pantheism; Divine attributes. Pretheology program/undergraduate credit only. 3 credits.

PTHO 1504 Conversion Processes and the Catholic Community

A discussion of the call to conversion as lived in the Catholic community and the fundamental vocation of all Christians to turn from sin and to grow in holiness, a mission given in a special way to those preparing for ordained ministry. Part of the Pretheology Formation Program, for undergraduate credit only. 3 credits.

PTHO 1505 Social Institutions and the Call to Holiness

A continuation of PTHO 1504. Undergraduate credit only. 3 credits.

PTHO 1506 Human Spiritual/Pastoral Development and Integration

Part of the Pretheology Formation Program, an introduction to the vision of formation contained in *Pastores dabo vobis*. An analysis of this papal exhortation and its four measures of human, spiritual and pastoral development in the seminarian. 3 credits.

PTHO 6007 Pastoral Spanish I

Beginning Spanish for non-Spanish speakers, focusing on building communication skills and addressing language situations encountered in pastoral ministry. 2 credits.

PTHO 6008 Pastoral Spanish II

A continuation of PTHO 6007. 2 credits.

PTHO 6009 Pastoral Spanish III

An intermediate Spanish course for those with elementary knowledge of Spanish, continuing to build communication skills for use in pastoral ministry settings. 2 credits.

PTHO 6010 Pastoral Spanish IV

A continuation of PTHO 6009. 2 credits.

PTHO 6011 Oral Interpretation

Basic skills in public speaking, including the ability to proclaim a text. Students work with Biblical passages to develop attention to voice, articulation and principles of interpretation. 1 credit.

PTHO 6109 Introduction to Preaching

Introduction to homiletics and engagement in the process of Biblical preaching with attention to its pastoral function. Emphasis on organization, composition and delivery. Evaluation of several homilies as preached to the class. 2 credits.

PTHO 6112 Preaching Practicum I

A continuation of homiletic instruction where students will deliver homilies for various occasions, subject to self, peer and professional criticism. *2 credits.*

PTHO 6113 Preaching Practicum II

A continuation of PTHO 6112, with special attention to the practical delivery of homilies. Particularly designed for deacons. *2 credits.*

PTHO 6201 Pastoral Psychology

Reviews several current models of personality and human development theory. Discussion of case studies to illustrate the theological models of Freud, Jung, Mahler and Piaget. Themes: personality, growth and sexuality; separation-individuation; and the relationship of psychology to theology. *3 credits.*

PTHO 6202 Pastoral Counseling

A study of the nature of counseling; responsibility of the counselor; goals in counseling; resistance and termination. Particular attention to ethical and religious issues in counseling. *3 credits.*

PTHO 6211 Addiction Counseling

A study directed to persons who are in positions of counseling and/or dealing with individuals/families with alcohol or drug abuse problems. Combines two integrated training components: current information and micro-counseling. Presentation of case histories required. *3 credits.*

PTHO 6213 Addiction and Community

Attitudes and values, current information about alcohol and drug abuse, misuse and addiction. Prevention and education, identification and intervention techniques, referral, pre- and post-treatment; counseling and special population group issues (clergy, religious, seminarians); pastoral care dimensions of addiction work. *3 credits.*

PTHO 6301 Parish as Learning Community

A consideration of the parish as a learning community and its catechetical approaches to adults, along with the shifts and trends affecting contemporary catechesis. Contemporary approaches to catechesis/religious education as well as the relationship of catechesis/religious education to liturgy, social justice and human development. Developmental psychology as it pertains to faith development. Current trends in the Church particularly supportive of adult faith growth. *3 credits.*

PTHO 6315 Hispanic Catechesis

A survey of basic principles of catechesis, with special attention to the pastoral and cultural situation of, and resources available to Hispanic communities. *3 credits.*

PTHO 6323 Adult Catechesis

The history of adult education and adult religious education; psychological and sociological considerations; adult faith development; principles of adult education; learning styles; adult spirituality; program planning; collaboration and integration with other ministries. *3 credits.*

PTHO 6325 Liturgy and Catechesis

The theological relationship between liturgy and catechesis: historical perspectives, implications of conversion for worship and catechesis; liturgical and personal spirituality; the role of the sacraments, the RCIA and prayer; models of effective integration/collaboration between liturgists and catechists. *3 credits.*

PTHO 6327 Catechetical Ministry: History, Principles, Issues

History and development of catechetics and central theological issues such as revelation and faith; a phenomenology of religious knowledge; nature of conversion; approaches to catechesis; integration of message, community, prayer and worship; justice and service; ministry of the catechist; issues in contemporary catechesis. *3 credits.*

PTHO 6338 Issues in Hispanic Ministry

An introduction to ministry in Hispanic circles, focusing on the sociological and psychological contexts of American Hispanics and the Catholic Church. Contemporary Church documents on ministry to Hispanics and practical helps for effective sacramental, social and counseling ministry in Hispanic communities. *3 credits.*

PTHO 6339 Catechetical Administration

A study of catechetical administration within parochial settings, and a survey of contemporary research on parishes and catechesis. Focus on two areas: catechetical leadership (including spirituality of leadership, leadership theories and strategic planning) and catechetical administration (including human resources, effective program management, marketing/public relations and finance). *3 credits.*

PTHO 6340 Exploring Catechetical Partnerships

Using catechetical and organizational theory, an exploration of old and new catechetical partnerships between parishes and families. Preparation of a three to five year plan to create catechetical partnerships meeting the needs of people and parishes for: an integrated approach to total parish catechesis; enspiriting true family involvement in the faith development of all its members; and establishing a parish faith mentoring program especially for youth, young adults and young families. *3 credits.*

PTHO 6401 General Canon Law

Church law and its role in the Church today; history of canon law, particularly the 1983 Code. Consideration of the character of the 1983 Code of Canon Law as well as certain general institutes of law as they appear in Book I and particular canons in Books II and VII with reference to the status of laity and clerics. *3 credits.*

PTHO 6405 Canon Law of Marriage

Canonical and pastoral aspects of current Church legislation on the sacrament of matrimony. Aspects of the 1983 Code having practical and innovative impact on the marital state, particularly in the area of tribunal jurisprudence. *3 credits.*

PTHO 6408 Canon Law for Parish Ministry

For those engaged in parish ministry, both clergy and laity, a discussion of what is necessary and useful in the Church's law regarding the parish community. An analysis of the sources of relevant legislation, the law and its proper application and pastoral interpretation to enable those involved in parish ministry to integrate better the Church's discipline and their service to the People of God. *3 credits.*

PTHO 6503 Liturgical Practicum

Demonstration and practical exercises for priesthood candidates in the ministries of celebrating Eucharist and other sacramental liturgies, including the RCIA and Baptism of children, marriage, funerals, sacramental ministry to the sick and dying, Benediction and the Liturgy of the Hours in parishes. *2 credits.*

PTHO 6505 Liturgy, Music and Psalms

The nature of psalmody and its use in the Roman liturgy, especially the Eucharist and the Liturgy of the Hours; an overview of the historical use of psalmody followed by the various types of Psalm settings. Discussion of criteria for effective selection of texts and melodies in light of current Church documents. Emphasis on a balance of liturgical, pastoral and musical factors. *3 credits.*

PTHO 6513 Integrating Project

Until further notice this course is replaced by PTHO 9101.

PTHO 6518 Integrating Music and Liturgical Celebration

Principles of Vatican II and subsequent Church teaching on liturgical/musical integration. An overview of the history of liturgical music emphasizing the proper balance of liturgical, pastoral and musical factors. Other topics: liturgical year; effective selection of music for particular celebrations; copyright issues. *2 credits.*

PTHO 6644 Youth Ministry I

Section A (*Justice and Service*): an exploration of the foundations for fostering a justice and service consciousness and spirituality in youth drawn from: Scripture, Catholic social teaching, adolescent development and contemporary catechetical principles. Section B (*Pastoral Care*): a focus on the depth and breadth of pastoral care, exploring the principles and methods of caring for young people from various cultures and their families. *3 credits.*

PTHO 6645 Youth Ministry II

Section A (*Evangelization and Catechesis*): an exploration of the foundations of nurturing young and older adolescent faith development and Catholic identity through an integrated approach to faith formation which incorporates teaching, prayer and liturgy, community life and justice and service within ministry with adolescents. Section B (*Prayer and Service*): an investigation into the foundational roles that Christian worship and sacraments have in fostering the spiritual growth of youth. *3 credits.*

PTHO 6646 Youth Ministry III

Section A (*Principles of Youth Ministry*): a presentation of the vision and principles for comprehensive youth ministry and a model for developing youth ministry which incorporates developmentally appropriate youth programming, strengthens family life, involves young people as integral members of the faith community, and collaborates with civic organizations. Section B (*Practices of Youth Ministry*): rooted in a theological and pastoral vision of community life, an exploration of the development of comprehensive youth ministry through the collaborative sharing of the resources in the community. *3 credits.*

PTHO 6647 Youth Ministry IV

Section A (*Foundations for Ministry Leadership*): an exploration of the processes and skills for effective leadership in ministry, combining theory presentation with experiential learning. Section B (*Skills for Christian Leadership*): an emphasis on the application of leadership skills to various ministry settings, problems and issues, with the goal of developing a practical, working understanding of leadership process and skills. *3 credits.*

Note: Descriptions for PTHO 6644-67 sometimes change. Contact the associate dean for final information.

PTHO 6702 Faith Formative Leadership

The roles of the catechist and catechetical leaders in nurturing and supporting the development of faith; leadership styles and teaching strategies to assist faith development. *3 credits.*

PTHO 6706 Leading the Catechetical Learning Process

A review of the theory and practice of various models of teaching, and an application of these models to the catechetical classroom. Designed for leaders concerned with enriching their catechetical learning-teaching situations. *3 credits.*

PTHO 6710 Women Mystics

An exploration of the phenomenon and meaning of mysticism. A study of the lives, times and spirituality of such women mystics as Theresa of Avila, Therese of Lisieux, Edith Stein, Catherine of Siena, Faustina, Elizabeth of the Trinity, and Julian of Norwich. An analysis of their major writings, including autobiographies, letters and poetry. (*Cross-referenced to HSTD 6710*). *3 credits.*

PTHO 6712 Christian Decision-Making

Designed for those engaged in helping the laity to integrate gospel values into their work, an examination of the process of Christian decision-making as it pertains primarily to the laity's moral and spiritual development in the workplace. Emphasis on the Catholic context for moral decision-making, contemporary understanding of the natural law, the process of spiritual discernment and the dynamics of theological reflection. *3 credits.*

PTHO 6715 Spiritual Direction

Human and psychological bases for sound spiritual growth; relation of growth to the direction relationship and the journey towards freedom through awareness and discernment. *3 credits.*

PTHO 6718 Spirituality and Contemporary Culture

An investigation of the correlation between Christian spirituality and contemporary American culture, seeking to achieve sensitivity to both prevailing cultural ideas and norms of the Christian tradition. Focus on helping students develop a spirituality that integrates the best of both realities. *3 credits.*

PTHO 6724 Jewish Roots of Christian Spirituality

Survey of the Jewish roots of Christian spirituality, with special attention to prayer (personal and communal) and liturgy (particularly the Eucharist). Theological roots of Jewish spirituality. Psalms. Catholic-Jewish dialogue today. *3 credits.*

PTHO 6726 History of Spirituality

See HSTD 6310. *3 credits.*

PTHO 6728 Theology of Spirituality

Theology of the Christian spiritual life: Biblical foundations; Patristic writings; classical sources; contemporary writings; anthropological foundations; progress in the spiritual life and its various stages; and mysticism. Cross-referenced as STHO. *3 credits.*

PTHO 6732 Prayer: Jewish/Christian

A study of the theology of prayer in Judaism, particularly the Old Testament (especially the Psalms); Jewish roots of Jesus' prayer; Jewish roots of the personal and communal prayer life of the early Christians; common theological convergences and contemporary reflections on prayer in Judaism and Christianity. *3 credits.*

PTHO 6735 The Priest Today

A contemporary look at theological and spiritual perspectives on the priesthood, presenting growth and development in priesthood as a profoundly human experience which finds its source and intelligibility only in the living Christ; love, self-esteem and rediscovery of ministry in the priesthood. *3 credits.*

PTHO 6736 Spirituality of Ministry

An overview of principles of spirituality for those in ordained ministry, with particular emphasis on *Pastores dabo vobis* and other recent Magisterial documents. *3 credits.*

PTHO 6738 Augustine's Spirituality

See HSTD 6422.

PTHO 6741 Spirituality and Psychology

For students seeking to study the theological [spiritual] dimension of human personality and growth. Relationship between psychological and spiritual growth; growth patterns of human beings who choose to say "yes" to God. *3 credits.*

PTHO 6742 Benedictine Spirituality

The role of St. Benedict as founder of Western monasticism; the Rule of Benedict; development and permanent influences of Benedictine spirituality on the Church. *3 credits.*

PTHO 6743 Spirituality of St. Francis

The life and spiritual rule of St. Francis of Assisi; early Franciscanism; development of the Franciscan spirit through Church history and permanent influences of Franciscan spirituality on the Church. *3 credits.*

PTHO 6744 Ignatian Spirituality

The life of St. Ignatius of Loyola; Ignatius' spiritual doctrine and a close reading of the Spiritual Exercises; hallmarks of Jesuit spirituality, its development and permanent influences on the Church. *3 credits.*

PTHO 6746 Carmelite Spirituality

Origins of Carmelite spirituality; development of the Carmelite charism; expressions of Carmelite spirituality in Saints John of the Cross, Teresa of Avila and Therese of Lisieux; permanent influences on the Church. *3 credits.*

PTHO 6751 American Self-Criticism

The search for community in American society; using the dynamics of the Paschal Mystery as a guide, an attempt to discover which forces in our society impede and which forces promote growth in authentic community living. *3 credits.*

PTHO 6753 The Cloud of Unknowing

A study of this medieval classic and its relevance to spiritual needs in the modern world, with special attention to the Cloud's understanding of human relationships with themselves, each other and God in light of contemporary hunger for intimacy; the Cloud's ongoing influence as revealed in the centering prayer movement with its renewed call for contemplative living. *3 credits.*

PTHO 6754 The Spiritual Exercises

A close reading of St. Ignatius of Loyola's *Spiritual Exercises*, especially its theology of discernment, seeking to understand Ignatius' intentions; the permanent influence of the *Exercises* on Christian spirituality in general; subsequent development of and reflection on the *Exercises* in the ongoing Jesuit tradition; relevance and significance of the *Exercises* for Christians today. *3 credits.*

PTHO 6756 Introduction to Work-Life Ministry

See CETH 6425. *3 credits.*

PTHO 6758 Theology of Work

See CETH 6421. *3 credits.*

PTHO 6759 John Paul II on Solidarity

The meaning of solidarity as a core concept in the spiritual teaching of Pope John Paul II: using his major encyclicals, an effort to discover the relationship between Catholic dogma and social action as understood by Pope John Paul II. *3 credits.*

PTHO 6810 Spirituality and the Arts

Discussion of the Christian faith as the source of inspiration for artists, poets, novelists and musicians across the centuries, and in more recent times also for film-makers. A survey of several classical examples of Christian inspired art so as to see the way faith, hope and love are presented. Themes: Jesus and Christians in the movies, hope and despair in the poetry of Hopkins, peace in the music of Hildegard of Bingen, faith in the short stories of Flannery O'Connor, marriage and the family in the novels of Sigrid Undset, evangelism in the paintings of Caravaggio. *3 credits.*

PTHO 6811 Confrontation/Death

A consideration of the personal, theological, and pastoral dimensions of death and dying. Death in reference to all age groups and illnesses and the new ethical questions posed by modern technology. *3 credits.*

PTHO 6819 Healing Passages

An exploration of the various psychological and spiritual passages that individuals may be helped to experience through counseling. Special emphasis on realistic expectations for growth and development. *3 credits.*

PTHO 6823 Transformations/Ministry

Emphasizing Christian spirituality and transformation in Christ, a study of the integration of prayer and ministry, along with the importance of detachment, contemplation and discernment. *3 credits.*

PTHO 6827 Bereavement Counseling

The bereavement process and principles of bereavement counseling, applicable to work of physicians, nurses, clergy and religious. Emphasis on the needs of the bereaved and the emotional support systems available to them and their caregivers. *3 credits.*

PTHO 6832 Conflict Management and Pastoral Ministry

Conflict and the pastoral minister: strategies for coping and non-coping; avoidance and confrontation; creative and destructive conflict; practical exercises in addressing conflict in pastoral ministry settings. *2 credits.*

PTHO 6870 Catholic Education: Yesterday, Today and Tomorrow

An overview of the history of the ministry of teaching in the Christian tradition and of Catholic schools in the United States. An examination of the multiple tasks of the school in fostering faith development and an exploration of the norms for the school of the future. *3 credits.*

PTHO 6871 Principal as Spiritual Leader

An exploration of the role of the principal with a particular focus on the vocation of teaching and leadership. Topics: leadership, the school as an ecclesial system and a community of faith, and the work of formation of faculty, students and program. *3 credits.*

PTHO 6872 Catholic Identity, Ethos and Culture

An examination of key aspects of Catholic identity and belief, and an overview of some components of "Catholicism," including aspects of Catholic history, doctrine, culture, juridical system,

moral teaching and institutional life (*Cross-referenced to STHO 6872*). *3 credits.*

PTHO 6921 Theological Bases of Administration

The nature, functions and structure of Christian ministry to appreciate Spirit-filled forms of ministry present in the Church today; the gift of administration; exercise of power and authority in the Church; differences in Church polity. *3 credits.*

PTHO 6925 Ministry of Administration

A theological and behavioral consideration of the foundations of administrative ministry and issues related to its practice such as leadership style, authority, power and influence. Extensive and intensive use of the student's ministerial experience. *3 credits.*

PTHO 6929 Spirituality of Administration

Reflections on the dynamics and development of Christian spirituality, an analysis of the relationship between Christian discipleship and the task of administration. The nature of caring relationships, the paradox of Christian growth and conflict situations and the need for celebrating wholeness in life. *3 credits.*

PTHO 6933 Organizational Behavior

Individual and group behavior, interrelationships and conflicts in an organization; management practices to promote organizational effectiveness; basic concepts such as motivation, leadership, communication and application techniques for individual/organizational growth. *3 credits.*

PTHO 6937 Leadership Skills

Examination of theories of leadership, sacred and secular, evaluated in the light of Christian ministry; leadership and spirituality; issues in Christian leadership-authority, power, communication; practical exercises in the development and critique of students' leadership skills. *3 credits.*

PTHO 6938 Basic Parish Management

The universal theory of management and the actual, day-to-day application of the theory. Topics: organization of people; working with volunteers; time management; stress management; decision-making; conflict; team building management; and change dynamics. *3 credits.*

PTHO 6942 Pastoral Planning

A continuation of the process mode of interaction, examining the theory of planning and its application in church settings. A study of specific tools for implementation of a planning process, the role of research, shortcomings of planning, strengths and limitations. *3 credits.*

PTHO 6943 Strategic Parish Planning

For collaborative parish leaders and/or pastoral teams who want to create with their parishioners a long term plan for transforming the parish into a true community. An examination of different transformational planning processes that each participant can select and adapt one or more for use in a particular parish. A study of how these processes can also be applied by individual parish directors to their particular parish ministry or program(s). *3 credits.*

PTHO 6953 Legal Issues in the Parish

A study of various legal issues—canonical, civil and criminal—encountered in Church settings: liability; insurance; torts; criminal matters; counseling responsibilities; seal of confession; marriage; schools; personnel. An introduction to civil and criminal legal aspects of ministers' professional duties. *3 credits.*

PTHO 9101 Integration Seminar

Integration of the various theological and pastoral disciplines encountered in the M.A. in Pastoral Ministry program using "Pastoral Project" or "Case Study" methodologies. Submission and approval/acceptance of the final Project completing M.A.P.M. degree requirements. *3 credits.*

PTHO 9102 M.Div. Comprehensive Seminar I

A "case study" method, along with a class presentation, designed to foster integration of the various theological and pastoral disciplines contained in the M.Div. curriculum. Enrollment of lay ministry candidates with the approval of the instructor. *1 credit.*

PTHO 9103 M.Div. Comprehensive Seminar II

Completed upon submission and approval/acceptance of the final M.Div. Project. Required of M.Div. candidates. Enrollment of lay ministry candidates with the approval of the instructor. *2 credits.*

STHO 1801 Catholic Identity and Belief

An introduction to Catholic systematic and dogmatic theology, designed primarily for students in the pretheology program entering upon priesthood studies. Undergraduate credit only. *3 credits.*

STHO 6201 Contemporary Foundations for Theology

An examination of contemporary attempts to establish the identity of Christian doctrine through a multiplicity of expressions. Philosophical theologies discussed include: existentialism; process thought; linguistic analysis; transcendental Thomism; liberation/praxis thought; and hermeneutical theory. *3 credits.*

STHO 6202 Revelation and Faith

An historical and systematic examination of the Catholic understanding of God's Self-Communication and humanity's correlative response in faith. On revelation: transmission of revelation; natural and supernatural revelation; Reformation and *sola Scriptura*; Trent and tradition; Newman on doctrinal development; and la nouvelle théologie and Vatican II. On faith: grace and faith; faith and scholasticism; Luther and *sola fides*; Trent on *fides fiducialis*; Vatican I and rational preparation for the act of faith; Blondel and the apologetics of immanence; and contemporary attempts (e.g., Rahner, Tracy, Metz) to ground the act of faith. *3 credits.*

STHO 6203 Christology

The faith response to the Mystery of Jesus Christ, God's gift to us, in Scripture and Church Tradition; an attempt to answer the question "Who do you say I am?" [Mt 16:15] in light of contemporary concerns. *3 credits.*

STHO 6204 Trinity

A systematic and historical examination of the doctrine of the Triune God: dialectical nature of God as both hidden and revealed, immanent and transcendent; attributes and perfections of God; Patristic and Conciliar debates about the nature of the Trinity; persons, processions, relations and missions within the Godhead; speculation relation to the "economic" and "immanent" Trinity as well as contemporary retrievals of psychological analogies. *3 credits.*

STHO 6205 Christian Anthropology

Beginning with the Scriptural understanding of human origins, an examination of the human condition from the viewpoint of Christian revelation. The relationship of God with humanity; sin and redemption; the significance of grace, brokenness and healing; and the meaning of death and resurrection. Consideration of particular and general eschatology in developing a theological anthropology. *3 credits.*

STHO 6206 Christian Eschatology

An historical and systematic study of central eschatological themes: the Christian understanding of death; the relationship between resurrection and "immortality"; intermediate eschatology and its underlying anthropology; particular and final judgments; the final states in Catholic, Orthodox and Protestant thought; apocatastasis, universalism and conditional immortality; purgatory and the efficacy of suffrages for the dead; nature of eschatological language. *3 credits.*

STHO 6207 Ecclesiology

The mystery of the Church in its various human incarnations throughout history; the Church's foundation, nature and fundamental structure. Themes: pluralism and the development of ecclesial life; "models" of the Church; the importance of Mary in the life of the Christian community. *3 credits.*

STHO 6208 Mission and Ministry

The mission of Christ and His Church as it unfolded in human history with the hope of arriving at a contemporary understanding of Christian mission; the nature, functions and structures of Christian ministry from an historical perspective to appreciate the Spirit-filled forms of ministry present in the contemporary Church: lay and ordained ministries; the Petrine Office in an ecumenical age; authority in the Church; and the gift of women in the service of Christ and His Church. *3 credits.*

STHO 6209 Christology of the Paschal Triduum

An extended examination of the historical development and current expression of the various liturgies of the Paschal Triduum, applying the principle *lex orandi, lex credendi*, to discover the various Christologies expressed in those rites. *3 credits.*

STHO 6213 Fundamental Theology Today

A study of the traditional task of fundamental theology and apologetics as justification and vindication of the truth-claims of theological statements. An examination of several contemporary attempts to illuminate the intelligibility of theological language in writers such as Lonergan, Rahner, Pannenberg, Metz, Tracy and Farley, using their writings on theological epistemology. *3 credits.*

STHO 6215 Karl Rahner's Theology

An examination of major themes in Rahner's transcendental theology, starting with his philosophical presuppositions from *Geist im Welt* and then examining the fundamental axes on which his thought turns: (i) theology is anthropology and (ii) anthropology is Christology. *3 credits.*

STHO 6217 History and Theology of Ecumenism

A study of the ecumenical movement and Catholic participation in it: its origins; development; the World Council of Churches; Faith and Order meetings; the Lima Statement; Catholic approaches to ecumenism grounded in Magisterial documents, especially since Vatican II; John Paul II on ecumenism. *3 credits.*

STHO 6223 Magisterium

A study of the origins, development and role of the teaching office in the Catholic Church; forms of exercise of the Magisterium; contemporary theological speculation regarding the Magisterium. *3 credits.*

STHO 6233 Theology and Preaching

A study of preaching as found in Scripture, in the writings of the Fathers and in Church tradition so as to arrive at a comprehensive theology of the Word. A focus on this background, together with contemporary theological/pastoral resources, as a context for promoting the ministry of preaching. *3 credits.*

STHO 6237 Introduction to Newman

An historical introduction to Newman's life and thought; readings in his sermons; his theology of doctrinal development; his idea of a university; his analysis of faith and the human mentality; and his other theological writings. *3 credits.*

STHO 6240 Theology of Priesthood

A study of the notion of priesthood in its Biblical roots and subsequent development; Catholic theology of priesthood as it has developed up through contemporary theological expressions; development of the sacrament of Orders; relationship of the royal priesthood of all Christians to the ordained priesthood and the issue of ordination of women. *3 credits.*

STHO 6242 Theology of von Balthasar

An introduction to the systematic thought of Hans Urs von Balthasar, focusing on selected readings from his major works as well as occasional pieces; an evaluation of the place of von Balthasar in contemporary Catholic systematic theology. *3 credits.*

STHO 6246 Theology of Vatican II

A study of the background against which Pope John XXIII called Vatican Council II, the Council's preparation and its deliberations, as well as some consideration of its implementation. Seeks to assist students in developing an appreciation of the history and theology of the Council and in understanding its far-reaching significance for Roman Catholic theology. *3 credits.*

STHO 6501 Worship of the Church

An introduction to the theology of liturgy and the historical development of liturgy in the Catholic Church, focusing on the Roman Rite; an introduction to the history and theological development of the Mass, the Liturgy of the Hours and the Roman Calendar. *3 credits.*

STHO 6503 Sacraments of Initiation

A Biblical, historical, theological and liturgical treatment of the sacraments of Christian initiation: the theologically normative adult initiation with restored catechumenate and its pastoral adaptation to infant baptism, confirmation and first Eucharist of children; anthropological, Christological and ecclesial dimensions of sacramentology as well as questions common to the seven sacraments. *3 credits.*

STHO 6505 Eucharist

A Biblical, historical, systematic, liturgical and pastoral treatment of the Eucharist and the development of the Mass. Questions relating to institution, Real Presence, sacred meal, sacrifice, eschatology and ecumenism. *3 credits.*

STHO 6507 Reconciliation and Anointing of the Sick

The sacrament of Penance in its systematic, moral, pastoral and liturgical aspects with special attention to the ministry of the priest-confessor. The Sacrament of the Sick in its Biblical roots, historical evolution, systematic theology and contemporary liturgical celebration. *3 credits.*

STHO 6509 Christian Marriage

The Biblical, historical, systematic and liturgical development of Christian marriage from Biblical origins, Patristic thought, medieval synthesis, Reformation issues and Tridentine responses, to its contemporary theology. Issues related to the theology of marriage, e.g., sacramentality of marriage, divorce and remarriage, faith and marriage, and the pastoral care of Christian marriage. *3 credits.*

STHO 6515 Feasts and Seasons

A study of the development of the Christian celebration of time, historically considered and in its contemporary expression, regarding the day (Liturgy of the Hours), the week (with the primacy of Sunday) and the year (in the Roman Calendar). Attention given to Marian devotions and the sanctoral cycle, the origins of various feasts, and issues related to their proper liturgical celebration. *3 credits.*

STHO 6575 Ministry of the Laity

New Testament origins of ministry; the history of ministry through the centuries; an exploration of contemporary developments in the ministry of the laity; the teachings of Vatican II which have given rise both to an expansion of ministry in the Church and a focus on ministry in the world; recent developments, both in the teaching of Pope John Paul II and grassroots initiatives. *3 credits.*

STHO 6576 Marian Spirituality

The Biblical image of Mary; devotion to Mary as it developed through the ages and its effect on contemporaneous spiritualities; Vatican II on Mary; post-Conciliar developments in Mariology and their implications for a Marian spirituality today. *3 credits.*

STHO 6577 Mariology

A study of Church doctrine, teaching and tradition on the Blessed Virgin Mary from biblical times to the present, including selected readings in key Mariological authors; Vatican II on Mary; post-Conciliar developments in Mariology; ecumenical issues. *3 credits.*

STHO 6728 Theology of Spirituality

See PTHO 6728. *3 credits.*

STHO 6872 Catholic Identity, Ethos and Culture

See PTHO 6872. *3 credits.*

STHO 6999 M.A. Seminar

Capstone course required for all M.A. in Theology general format students, to be taken near the end of course work. Integration of the various theological perspectives gleaned from the student's study of the several concentrations in the degree. Seminar topic to be established by the professor and student. *3 credits.*

NOTE: This catalogue is not intended to be a comprehensive listing of all ICSST academic policies and regulations. Additional questions on academic affairs should be addressed to the Office of the Associate Dean, ICSST. Additional questions related to formation issues should be addressed to the director of formation (for seminarians) or the director of lay ministry (for lay persons).

School of Graduate Medical Education



McQuaid Hall
(973) 275-2800
gradmeded.shu.edu

Dean: John A. Paterson, D.D.S.

Associate Dean: John W. Sensakovic, M.D., Ph.D.

Associate Dean: Brian B. Shulman, Ph.D., CCC-SLP/FASHA

Director of Continuing Professional Development: Lillian Palumbo, Ph.D.

Assistant Director of Continuing Professional Development: Catherine Maher, PT, M.S.

Chair of Graduate Programs in Health Sciences:

Genevieve Pinto Zipp, PT, Ed.D.

Assistant Chair of Graduate Programs in Health Sciences:

Doreen Stiskal, PT, M.S.

Chair of Occupational Therapy: Estelle B. Breines, Ph.D., OTR, FAOTA

Chair of Physical Therapy and Sport Science: Marc Campolo, PT, Ph.D., SCS, ATC

Chair of Physician Assistant: Carol Biscardi, PA-C, M.S.

Chair of Speech-Language Pathology and Audiology:

Janet D. Koehnke, Ph.D., CCC-A

Program Director of Athletic Training: Carolyn Goeckel, M.A., ATC

Faculty: Mary Alexander, PT, M.S.; Venugopal Balasubramanian, Ph.D., CCC-SLP; Theresa Bartolotta, M.A., CCC-SLP; Joan M. Besing, Ph.D., CCC-A; Carol Biscardi, PA-C, M.S.; Estelle B. Breines, Ph.D., OTR, FAOTA; Margaret H. Briggs, Ph.D., CCC-SLP; Lee Cabell, Ed.D.; Marc Campolo, PT, Ph.D., SCS; MaryAnn Clark, PT, Ed.D.; Catherine Noble Colucci, M.A., OTR; Deborah DeLuca, J.D., LL.M.; Diana Glendinning, PT, Ph.D.; Carolyn Goeckel, M.A., ATC; Susan Hiss, Ph.D., CCC-SLP; Janet D. Koehnke, Ph.D., CCC-A; Sheama S.R. Krishnagiri, Ph.D., OTR; Bogdan Langner, PA-C, MPAS; Brett A. Martin, Ph.D., CCC-A; John Mitchell, Ph.D.; Joseph Monaco, PA-C, MSJ; Valerie Olsen, PT, Ph.D.; H. James Phillips, PT, M.S., ATC, OCS; Meryl Picard, M.S.W., OTR; Kelly J. Shea-Miller, Ph.D., CCC-A; Brian B. Shulman, Ph.D., CCC-SLP/FASHA; Susan Simpkins, PT, Ed.D.; Tom Sowa, Ph.D.; Elizabeth Torcivia, M.P.A., OTR

The School of Graduate Medical Education offers three distinct educational programs for healthcare professionals: residency and fellowship training for physicians and dentists; continuing medical education for primary care providers and practicing specialists; and graduate programs in health sciences. By design, the programs are intended to prepare healthcare practitioners to competently, competitively and creatively function in a dynamic healthcare environment.

Note: A Master of Science in Jurisprudence in Health Law is offered through Seton Hall University School of Law. For more information about the program, see page 229.

General Information

The School of Graduate Medical Education, established in 1987, is a professional school within the University structure. The School's mission is to prepare healthcare professionals to assume leadership roles in the healthcare arena. To achieve this goal, a variety of unique and innovative educational programs are offered utilizing a multi-institutional/integrated approach to graduate education. The School comprises three distinct educational programs: residency and fellowship training, continuing medical education and graduate programs in health sciences.

Residency programs offer training for physicians and dentists in specialty areas such as anesthesia, family practice, internal medicine, neuroscience, obstetrics/gynecology, orthopedics, pediatrics, dentistry, oral and maxillofacial surgery, podiatry, transitional year, AOA internship and combined medicine/pediatrics. There also is subspecialty training available for qualified candidates who have completed the appropriate prerequisite training. All residency and fellowship programs are ACGME accredited. The training occurs at participating institutions: Saint Michael's Medical Center in Newark; St. Joseph's Hospital and Medical Center in Paterson; St. Elizabeth Hospital in Elizabeth; Jersey City Medical Center in Jersey City; and J.F. Kennedy Medical Center in Edison. The hospitals and the University jointly attest to the successful completion of the residency training through issuance of a certificate.

Continuing medical education is a program designed to provide updating of the most useful recent advances in the diagnosis and management of medical and physical disorders as they are encountered by primary healthcare providers and practicing specialists. The University and the participating hospitals offer these updates in the form of conferences, seminars, courses, workshops and mini-residency experiences.

The School offers several innovative graduate programs in the health sciences. These programs are designed to provide individuals with an enhanced knowledge base through a flexible and diverse curriculum. Two graduate programs in the health sciences are offered: M.S. and Ph.D. in Health Sciences. The school offers programs leading to the degrees Doctor of Philosophy in Health Sciences with specializations in occupational technology, health professions leadership, movement science and speech-language pathology; Master of Science in Health Sciences with specializations in movement science, health professions leadership and athletic training. Graduate courses may be offered at off-campus sites.

The School of Graduate Medical Education offers the first Master of Science in Occupational Therapy program in New Jersey. The program is designed to prepare healthcare practitioners who will critically analyze and convey information to provide a broad range of patient care services, conduct clinical research and carry out administrative responsibilities.

The School offers a Master of Science in Speech-Language Pathology. The program prepares practitioners with advanced/specialized curricular tracks in neurologically based communication disorders in adults and speech and language disorders in the infant-toddler, preschool and school-age populations.

The School offers a Doctor of Science in Audiology. The program is one of the first to offer students the opportunity to acquire a doctoral-level, clinically focused degree that is built on a basic foundation of science and scientific principles. This program prepares professionals with a depth of knowledge and judgment to provide the highest quality of patient care and to competently advance the art and science of their discipline.

The School offers the first Master of Science in Athletic Training in New Jersey, and one of only a few entry-level master's programs in the country. The program prepares practitioners to provide athletes with services such as injury prevention, evaluation of athletic trauma, immediate care and rehabilitation.

The School offers a Doctor of Physical Therapy. The program is the first professional degree and is intended to prepare physical therapists to assume leadership roles in rehabilitation services, prevention and health maintenance programs, and professional and community organizations.

Class Attendance and Academic Integrity

Attendance at each class meeting is expected. Instructors may take class attendance into account when determining grades.

All forms of dishonesty, whether by act or omission, including, but not limited to, cheating, plagiarism, and knowingly furnishing false information to the University, are prohibited. Intentional disruption or obstruction of teaching, research or administrative proceedings is prohibited. University sanctions may extend to suspension and dismissal.

Work submitted in courses must be the product of the efforts of the student presenting it, and contributions of others to the finished work must be appropriately acknowledged. The presentation of another's work as one's own is a serious violation of the academic process, and it is penalized accordingly. The decision on the appropriate penalty is in the first instance the professor's, and it may extend to a failing grade for the course.

Research Laboratories

Laboratory for Swallowing and Speech Physiology. The Laboratory for Swallowing and Speech Physiology contains instrumentation dedicated to physiologic and acoustical analyses of both swallowing and speech production. The laboratory is designed to provide instrumentation for pioneering research in the areas of swallowing and speech as well as to provide hands-on experiences for students in the clinical use of instrumentation for the evaluation and treatment of speech, voice and swallowing. Currently, the major research programs in the Laboratory for Swallowing and Speech Physiology are focused on investigating the predictive value of speech acoustics measures to identify individuals who are at risk for swallowing dysfunction and investigating the temporal relationship between respiration and other swallowing physiologic events. The goal of the above research is: (1) to further the field's knowledge of swallowing and speech physiology, (2) to identify objective means in which to evaluate swallowing disorders, and (3) through uniquely designed experiments utilize physiologic data to provide us with insight into the underlying neural mechanisms of swallowing.

Questions within both lines of research are addressed through the combined use of lingual manometry, acoustical analyses, surface electromyography, and/or respiratory thermistor transducers.

Applied Psychoacoustics Laboratory. The Applied Psychoacoustics Laboratory is designed to accommodate faculty and student research in audiology and hearing science as well as clinical teaching. The laboratory is equipped with state-of-the-art instrumentation and software for conducting sophisticated auditory research with children and adults with and without hearing loss. Equipment is also available for comprehensive auditory evaluation of infants, children and adults. Current research projects concern the effects of aging on binaural and spatial hearing, and the effects of hearing loss on binaural and spatial hearing in children and adults.

Auditory Electrophysiology Laboratory. Research conducted in this laboratory covers the area of auditory event-related potential (ERP) measures of auditory processing. Current projects examine maturation of the auditory ERPs, the relationship between auditory ERPs and behavioral perception, and ERP measures of speech processing in individuals with normal hearing or hearing loss. The laboratory is equipped with a 64-channel Neuroscan electrophysiology system, and BESA software for the analysis of the neural sources of the auditory evoked potentials.

Functional Human Performance Laboratory. Research projects conducted in the Functional Human Performance Laboratory focus on the neuromusculoskeletal processes underlying motor control and learning issues. The laboratory is equipped with state-of-the-art instrumentation and software for conducting sophisticated movement analysis across the lifespan, including gait and posture studies. The lab is currently equipped to conduct research utilizing kinematics, kinetic and EMG measurement tools. Student and faculty research productivity is the primary focus of the laboratory.

Graduate Education Programs in Health Sciences

The graduate education programs in the health sciences are committed to the development and enhancement of professional applications, thus creating leaders in healthcare delivery. Furthermore, these programs assist students in the development of basic research skills; the investigation of research questions in the healthcare environment and the acquisition and distribution of new information to the healthcare community and those whom it serves.

The Ph.D. in Health Sciences (Ph.D. in H.S.) and the M.S. in Health Science (M.S.H.S.) programs are available to physical therapists, occupational therapists, physician assistants, dietitians and other practicing healthcare providers who possess a minimum of a baccalaureate degree. The goal of the programs is to promote excellence in research, professional education and practice.

The M.S. in Physician Assistant (M.S.P.A.) program prepares post-baccalaureate students to perform as entry-level physician assistants in the broad healthcare arena.

The M.S. in Occupational Therapy, the M.S. in Speech-Language Pathology, the Doctor of Science in Audiology, the M.S. in Athletic Training, and the Doctor of Physical Therapy programs prepare post-baccalaureate students to perform as entry-level

occupational therapists, speech-language pathologists, audiologists, athletic trainers and physical therapists, respectively.

Courses may be offered on the South Orange campus, Seton Hall Law School in Newark and affiliated healthcare facilities.

Doctoral Program in Audiology

The three tracks in the Audiology program are based on a strong foundation of science and scientific principles. Graduates will advance audiology within the interdisciplinary healthcare system to better serve the clients, the profession and the community. The mission of the Audiology program is to prepare audiologists to function as clinicians, educators, administrators and researchers.

As clinician/scientists, graduates will be able to identify the hearing health needs of individuals and design, implement and evaluate treatment plans to meet those needs. In the area of education, graduates will be prepared to teach in community health care environments. As an administrator, the graduate will be able to plan, establish and evaluate audiology services in a variety of settings. The graduate will have acquired research skills that will enable them to critically analyze new information in the field and apply it to their clinical practice.

Accreditation

The entry-level Doctor of Science in Audiology received candidacy status for accreditation by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA) on August 1, 1999.

In order for individuals to be eligible to apply for national certification with ASHA, students must initiate and complete course work and clinical practicum at a CAA-accredited institution. ASHA considers students matriculating in an approved candidacy program as meeting this eligibility requirement.

Admission

Admission to the program is open to individuals who possess a baccalaureate degree or master's degree in audiology, speech-language pathology, speech and hearing sciences, communication or a related field from an accredited institution. An overall GPA of no less than 3.0 on a 4.0 scale also is required for regular admission. Completion of the following prerequisite courses with a grade of "B" or better is required:

Course	Credits
Anatomy and Physiology	4
English	3
Statistics	3
Psychology	6
Sociology	3
Mathematics	3
Biology/Physics/Chemistry	6

Anatomy and Physiology must include a laboratory. Students with incomplete prerequisites may apply; however, they must state how they will satisfy the prerequisites by the end of the Spring/Summer Semester prior to the start of the program.

The Committee on Admissions determines candidates' eligibility upon review of the GPA; Graduate Record Examination (GRE)

scores within the past five years; and nonquantifiable items, including three letters of recommendation and documentation of clinical experience (observation and clinical practicum), if any.

Information regarding the application process may be obtained from the School of Graduate Medical Education at (973) 275-2825.

Entry-Level Clinical Doctoral Track In Audiology

This is a 119-credit, full-time, four-year program that includes academic coursework, clinical practicum, and research experience. Students with undergraduate degrees in Communication Disorders or a related field can enter the program directly. The broad-based academic coursework and clinical practica enable students to develop the skills they need to provide audiological assessment and intervention to individuals with hearing problems. The program culminates with a nine-month, full-time clinical placement.

Curriculum Requirements

First Professional Year

GMAU 6010	Auditory Anatomy and Physiology	3
GMAU 6012	Clinical Instrumentation	3
GMAU 6023	Pediatric Audiology	3
GMAU 6032	Basic Hearing Aid Technology and Fitting	3
GMAU 6033	Clinical Lab for Basic Hearing Aid	3
GMAU 6040	Aural Rehabilitation for Adults	1
GMAU 6041	Pediatric Aural (Re)Habilitation <i>or alternating years with</i>	3
GMAU 6050	Basic Medical Audiology	2
GMAU 6060	Diagnostic Audiology I	3
GMAU 6061	Clinical Lab for Diagnostic Audiology I	1
GMAU 6062	Diagnostic Procedures in Audiology II	3
GMAU 6063	Clinical Lab for Diagnostic Audiology II	1
GMAU 6068	Central Auditory Processing Disorders	2
GMAU 6140	Neuroscience	3
GMAU 6517	Speech and Hearing Science	3
GMAU 7110	Clinical Observation/Clinical Preparation	1
GMAU 7111	Clinical Practicum	1
GMAU 7302	Biomedical Ethics	2
GMAU 7503	Scientific and Professional Writing	3

Second Professional Year

GMAU 6011	Basic Psychoacoustics	4
GMAU 6013	Speech Perception <i>or alternating years with</i>	3
GMAU 6066	Advanced Auditory Potentials	3
GMAU 6016	Advanced Psychoacoustics	2
GMAU 6017	Laboratory Instrumentation	2
GMAU 6023	Pediatric Audiology <i>or alternating years with</i>	3
GMAU 6041	Pediatric Aural (Re)Habilitation	3
GMAU 6024	Community and Industrial Audiology <i>or alternating years with</i>	2
GMAU 6034	Advanced Amplification Technology	2
GMAU 6051	Advanced Medical Audiology	3
GMAU 6064	Diagnostic Procedures in Audiology III	3
GMAU 6065	Clinical Lab for Diagnostic Audiology III	1
GMAU 7001	Directed Research I	2
GMAU 7112	Clinical Practicum	1
GMAU 7113	Clinical Practicum	1

GMAU 7120	Clinical Externship	2
GMHS 7501	Research Methods	3

Third Professional Year

CPSY 7005	Statistical Theory and Computer Applications I	3
CPSY 7006	Statistical Theory and Applications II	3
GMAU 6013	Speech Perception	3
GMAU 6026	Speech-Language Pathology for Audiologists	2
GMAU 6034	Advanced Amplification Technology <i>or alternating years with</i>	2
GMAU 6024	Community and Industrial Audiology	2
GMAU 6066	Advanced Auditory Potentials <i>or alternating years with</i>	3
GMAU 6070	Issues in Health Care Systems	1
GMAU 7004	Directed Research II	3
GMAU 7008	Directed Research III	3
GMAU 7114	Clinical Practicum	1
GMAU 7115	Clinical Practicum	1
Elective*	Related Field Elective*	3
Elective*	Related Field Elective*	3

**In consultation with faculty adviser, student selects a graduate level course in a related field (i.e., business, public administration, psychology, education).*

Fourth Professional Year

GMAU 7060	Residency in Audiology	6-9
GMAU 7061	Residency in Audiology	6-9

Additional Requirements***

GMAU 600x	2 Professional Seminars	2
GMAU 7040	Practicum in Classroom Teaching <i>or</i>	2
GMAU 7041	Practicum in Clinical Supervision/Teaching	2

Students may elect to obtain a certificate in Gerontology (21 credits)

Total credits: 119-125

Entry-Level Research Doctoral Track In Audiology

This is a 121-credit, full-time program that includes academic coursework, clinical practicum and extensive research experience. Students with undergraduate degrees in Communication Disorders or a related field can enter the program directly. In addition to the coursework and clinical practica included in the Clinical Doctorate, students complete advanced coursework in research methods and statistics and complete a Doctoral Dissertation.

Curriculum Requirements

First Professional Year

GMAU 6010	Auditory Anatomy and Physiology	3
GMAU 6014	Clinical Instrumentation	3
GMAU 6032	Basic Hearing Aid Technology and Fitting	3
GMAU 6033	Clinical Lab for Basic Hearing Aid	1
GMAU 6040	Aural Rehabilitation for Adults	3
GMAU 6041	Pediatric Aural (Re)Habilitation <i>or alternating years with</i>	3
GMAU 6023	Pediatric Audiology	3

GMAU 6050	Basic Medical Audiology	2
GMAU 6060	Diagnostic Audiology I	3
GMAU 6061	Clinical Lab for Diagnostic Audiology I	1
GMAU 6062	Diagnostic Procedures in Audiology II	3
GMAU 6063	Clinical Lab for Diagnostic Audiology II	1
GMAU 6065	Central Auditory Processing Disorders	2
GMAU 6140	Neuroscience	3
GMAU 6517	Speech and Hearing Science	3
GMAU 7110	Clinical Observation/Clinical Preparation	1
GMAU 7111	Clinical Practicum	1
GMAU 7302	Biomedical Ethics	2
GMAU 7503	Scientific and Professional Writing	3

Second Professional Year

CPSY 7005	Statistical Theory and Computer Applications I	3
GMAU 6011	Basic Psychoacoustics	4
GMAU 6013	Speech Perception <i>or alternating years with</i>	3
GMAU 6066	Advanced Auditory Potentials	3
GMAU 6016	Advanced Psychoacoustics	2
GMAU 6017	Laboratory Instrumentation	2
GMAU 6023	Pediatric Audiology <i>or alternating years with</i>	3
GMAU 6041	Pediatric Aural (Re)Habilitation	3
GMAU 6024	Community and Industrial Audiology <i>or alternating years with</i>	2
GMAU 6034	Advanced Amplification Technology	2
GMAU 6051	Advanced Medical Audiology	3
GMAU 6067	Otoacoustic Emissions	2
GMAU 7112	Clinical Practicum	1
GMAU 7113	Clinical Practicum	1
GMAU 8001	Directed Reading I	2
GMAU 8005	Directed Reading II	3
GMHS 7501	Research Methods	3

Third Professional Year

CPSY 7006	Statistical Theory and Applications II	3
GMAU 6013	Speech Perception	3
GMAU 6024	Community and Industrial Audiology	2
GMAU 6026	Speech-Language Pathology for Audiologists	2
GMAU 6034	Advanced Amplification Technology <i>or alternating years with</i>	2
GMAU 8107	Dissertation III	3
GMAU 6064	Diagnostic Procedures in Audiology III	3
GMAU 6065	Clinical Lab for Diagnostic Audiology III	1
GMAU 6066	Advanced Auditory Potentials <i>or alternating years with</i>	3
GMAU 8102	Dissertation I	3
GMAU 7114	Clinical Practicum	1
GMAU 7115	Clinical Practicum	1
GMAU 8105	Dissertation II	3
*Elective		3
*Elective		3

Fourth Professional Year

GMAU 7060	Residency in Audiology	6-9
GMAU 7061	Residency in Audiology	6-9

Additional Requirements***

GMAU 6000	Professional Seminar	1
GMAU 6001	Professional Seminar	1
GMAU 7040	Practicum in Classroom Teaching	2
		Total credits: 121-127

Post-Masters Clinical Doctoral Track In Audiology

This is a 47-credit, clinical program for individuals with a master's degree in Audiology. It can be completed on a full-time or a part-time basis. It includes academic coursework and research experience. Clinical practicum requirements are based on an evaluation of clinical skills during the first year of the program. The coursework focuses on advanced clinical procedures and the scientific bases of clinical practice. Courses are selected on an individual basis and include electives in areas of interest to the student.

Curriculum Requirements

Advanced Clinical Coursework

Professionals must take 12 credits out of the following 21 possible credits. Most courses have prerequisites that may have been completed at the Master's Level.

GMAU 6010	Anatomy and Physiology <i>(Prerequisite GMAU 6140*)</i>	3
GMAU 6014	Clinical Instrumentation	3
GMAU 6016	Advanced Psychoacoustics <i>(Prerequisite GMAU 6011*)</i>	2
GMAU 6034	Advanced Amplification <i>(Prerequisite GMAU 6032*)</i>	2
GMAU 6062, 6063	Diagnostic Procedures in Audiology II and lab	4
GMAU 6064, 6065	Diagnostic Procedures in Audiology III and lab	4
GMAU 6051	Advanced Medical Audiology <i>(Prerequisite GMAU 6050*)</i>	3

Research Requirement and Teaching Requirement (23 credits)

CPSY 7005	Statistical Theory and Computer Applications I	3
CPSY 7006	Statistical Theory and Computer Applications II	3
GMAU 7000	Directed Research I	2
GMAU 7001	Directed Research II	3
GMAU 7002	Directed Research III	3
GMAU 7040	Practicum in Teaching <i>or</i>	2
GMAU 7041	Practicum in Supervision and Teaching	2
GMAU 7501	Research Methods	3
GMAU 7503	Scientific Writing	3

Electives (minimum of 12 credits)

May include 6 credits of prerequisites taken at Seton Hall

GMAU 6000	Professional Seminars	1
GMAU 6001	Professional Seminars	1
GMAU 6013	Speech Perception	3
GMAU 6017	Laboratory Instrumentation	2
GMAU 6041	Pediatric Aural (Re)Habilitation <i>(Prerequisite GMAU 6023*)</i>	3
GMAU 6066	Advanced Auditory Potentials <i>(Prerequisite GMAU 6021*)</i>	3
GMAU 6067	Otoacoustic Emissions	1
GMAU 6068	Central Auditory Processing	2

GMAU 6070	Issues in Healthcare Systems	1
GMAU 7302	Biomedical Ethics	2
Related Field Electives		
* or consent of the instructor		

Total credits: 47

Course Descriptions

GMAU 6000-6001 Professional Seminar

Contemporary topics in the field of audiology: national certification and state licensure requirements, changing healthcare practices and the provision of audiology services, presentation of faculty and student research, clinical case presentations, among others. *1 credit each.*

GMAU 6010 Auditory Anatomy and Physiology

Gross and fine anatomy and physiology of the mammalian peripheral and central auditory system. Prerequisite: GMAU 6140 or consent of instructor. GMAU 6140 and 6010 can be taken concurrently. *3 credits.*

GMAU 6011 Basic Psychoacoustics

Study of psychophysical methods and the perception of the parameters of sound in humans and animals with normally functioning auditory mechanisms. *4 credits.*

GMAU 6012 Clinical Instrumentation

Principles and use of clinical instrumentation in speech-language pathology and audiology. Laboratory exercises of a clinical emphasis are provided to illustrate course content. *4 credits.*

GMAU 6013 Speech Perception

The study of perception of language from a psychological base. Emphasis will be placed on the impact of hearing loss on the perception of speech and spoken language. *3 credits.*

GMAU 6016 Advanced Psychoacoustics

Advanced study of the effects of hearing loss and aging on the perception of simple and complex sounds. Prerequisite: GMAU 6011 or consent of the instructor. *2 credits.*

GMAU 6017 Laboratory Instrumentation

Instrumentation for the hearing science laboratory. This course has a classroom component and a laboratory component to give students an opportunity to design and use laboratory instrumentation to explore principles of auditory research. *2 credits.*

GMAU 6023 Pediatric Audiology

Study of assessment and intervention techniques for infants and young children with hearing loss. *3 credits.*

GMAU 6024 Community and Industrial Audiology

Measurement of noise and its impact on hearing and communication. The impact of noise in industrial, school and military settings will be addressed. *2 credits.*

GMAU 6026 Speech-Language Pathology for Audiologists

Complete overview of speech and language problems encountered by audiologists in clinical practice in order to make in-

formed decisions regarding patient referral and follow-up. *2 credits.*

GMAU 6032 Basic Hearing Aid Technology and Fitting

Basic understanding of the parts of a hearing aid and the role of those parts in the function of amplification systems. Topics include history and care of hearing aids as well as hearing aid selection procedures. *3 credits.*

GMAU 6033 Clinical Laboratory Basic Hearing Technology and Fitting

Applied clinical laboratory for Basic Hearing Aids. *1 credit.*

GMAU 6034 Advanced Amplification Technology

Advanced study of amplification systems including programmable hearing aids, digital hearing aids. Study of personal and classroom FM systems. Cochlear implants and tactile device technology used to manage the communication needs of individuals with profound hearing loss will also be addressed. Prerequisite: GMAU 6032 or consent of instructor. *2 credits.*

GMAU 6040 Aural Rehabilitation for Adults

Advanced study of the effects of hearing loss on communication, assessment and intervention strategies, assistive devices and counseling for adults. *3 credits.*

GMAU 6041 Pediatric Aural (Re)Habilitation

Advanced study of the effects of hearing loss on communication, educational development, assessment and intervention strategies, and counseling for children with hearing loss and their families. *3 credits.*

GMAU 6050 Basic Medical Audiology

Role of audiologic, otologic, and neurologic characteristics as they apply to the understanding of diseases and disorders of the ear. The essentials of infection control and common medical terminology as they relate to audiologic practice will also be addressed. *2 credits.*

GMAU 6051 Advanced Medical Audiology

Advanced study of the pathology of the auditory and vestibular system. Prerequisite: GMAU 6050 or consent of instructor. *3 credits.*

GMAU 6060 Diagnostic Procedures in Audiology I

Principles and procedures for the basic audiological evaluation including pure-tone air and bone conduction and speech audiometry, clinical masking and acoustic immittance. *3 credits.*

GMAU 6061 Clinical Laboratory for Diagnostic I

Applied clinical laboratory for Diagnostic I. *1 credit.*

GMAU 6062 Diagnostic Procedures in Audiology II

Principles and procedures for advanced audiological assessment focusing on the auditory brainstem response. The middle latency potentials, late potentials and electrocochleography are also covered. *2 credits.*

GMAU 6063 Clinical Laboratory for Diagnostic II

Applied clinical laboratory for Diagnostic II. *1 credit.*

GMAU 6064 Diagnostic Procedures in Audiology III

Principles and procedures for vestibular assessment focusing on electronystagmography and videomystagmography. Course also covers vestibular anatomy and rehabilitation techniques. *3 credits.*

GMAU 6065 Clinical Laboratory for Diagnostic III

Applied clinical laboratory for Diagnostic III. *1 credit.*

GMAU 6066 Advanced Auditory Potentials

Overview of audiological applications of auditory event-related potentials, including the P1-N1-P2 complex, the mismatch negativity and P3. *3 credits.*

GMAU 6067 Otoacoustic Emissions

Principles and procedures for advanced auditory evaluation using otoacoustic emissions. Spontaneous, transient-evoked and distortion-product emissions will be covered. *2 credits.*

GMAU 6068 Central Auditory Processing Disorders

Principles and procedures for advanced auditory evaluation of central auditory processing disorders. Underlying mechanisms, assessment and treatment will be covered. *2 credits.*

GMAU 6070 Issues in Healthcare Systems

An analysis of selected professional and policy issues affecting the present and projected healthcare delivery system. Issues concerning healthcare personnel, patients, healthcare technology, organizational structures and facilities, finance mechanisms and the role of government are stressed in relation to how they influence healthcare services and delivery. *1 credit.*

GMAU 6140 Neuroscience

Structure, organization and function of the central nervous system. Emphasis on neuron functional organization, basic intercellular and neural communication mechanisms, motor, sensory and perceptual sub-systems, metabolic support, normal development and plasticity in response to functional and structural challenges. *3 credits.*

GMAU 6517 Speech and Hearing Science

Advanced study of the foundations of acoustics and mechanisms for the production and perception of speech. *3 credits.*

GMAU 7000-7008 Directed Research I-III

Development of the research question, review of the literature, study design, data collection, data analysis and written preparation of research study. *1-3 credits.*

GMAU 7110 Clinical Observation/Clinical Preparation

Observation and training at off-campus clinical site. Permission of department chair required. *1 credit.*

GMAU 7111-7116 Clinical Practicum

Supervised clinical practicum; permission of department chair required. *1 credit.*

GMAU 7120 Clinical Externship

Intensive supervised off-campus clinical practicum. Permission of department chair required. *2 credits.*

GMAU 7040 Practicum in Classroom Teaching

Supervised teaching experience in audiology. Permission of department chair required. *2 credits.*

GMAU 7041 Practicum in Clinical Supervision/Teaching

Supervised clinical supervision/clinical teaching experience in audiology. Permission of department chair required. *2 credits.*

GMAU 7060-7061 Residency in Audiology I-II

Intensive supervised off-campus clinical residency. Permission of department chair required. (6-9 credits per semester; must be taken for 2 semesters). *12-18 credits.*

GMAU 7501 Research Methods

Provides students with a working knowledge of the research process, including formulation of a research question, measurement and various statistical procedures of data analysis. *3 credits.*

GMAU 7503 Scientific and Professional Writing

Provides an in-depth analysis of the organization and composition of articles, analyses and reviews according to formats prescribed by the academic, legal and other professions. Approaches to the writing of technical, research and clinical reports which contribute to and document the evolution and expansion of the scientific and professional body of knowledge in the health sciences are highlighted. *3 credits.*

GMAU 7302 Biomedical Ethics

A study of the application of human and professional values, judgment and choices to selected ethical dilemmas that arise in health care practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision-making models. *2 credits.*

Ph.D. in Health Sciences

The Doctor of Philosophy in Health Sciences (Ph.D. in H.S.) program in the School of Graduate Medical Education of Seton Hall University is distinguished by its interdisciplinary and intradisciplinary approach to graduate study. The fundamental design of the program is a model of professional education that is broadly based with a core curriculum in health sciences and varied specialization tracks, which permit practicing professionals to assume leadership roles as advanced practitioners, researchers, managers or health professions educators. The program is designed for health professionals interested in pursuing advanced education at the doctoral level.

A core of courses provides the basis for an understanding of the healthcare delivery system and an understanding of the role and importance of communications within organizations. Additional courses in advanced sciences, taken by students in all tracks, provide critical analysis of treatment methods and scientific basis of practice. Students select specialized courses designated for each track, which provide them with the opportunity to design an individualized plan of study that meets their needs and interest. The coursework is enhanced through participation in seminars, practica and research projects.

The three tracks in the Doctor of Philosophy program are health professions leadership, movement science and speech-language

pathology. The program is committed to the enhancement of clinical applications by assisting students in the development of basic research skills; the investigation of research questions in the clinical, healthcare services or health professions education environment; and the acquisition and distribution of new information to society. Flexible scheduling allows for full- and part-time studies.

Specialization in Health Professions Leadership

The health professions leadership specialization track is designed to provide doctoral education for those healthcare professionals seeking leadership roles in a variety of healthcare settings. The leadership track prepares these individuals to design and evaluate methodologies for the delivery of high-quality, cost-effective and integrated healthcare services and health professions education programs. The specialization also prepares students to apply the theories and functions of healthcare management, strategic planning, finance, budgeting and marketing in the design and delivery of healthcare services and health professions education programs; influence healthcare policies and regulations that affect the delivery of healthcare and the education of health professionals; and utilize tools for managing healthcare and educational information.

Specialization in Movement Science

A trend toward the multidisciplinary study of human movement and motor control has resulted in a restructure and redesign of traditional theories of movement. This has contributed to the need for rehabilitation professionals who read and apply new knowledge and findings for clinical or educational practice, and for educators to alter what is taught at the entry-level of practice. The goal of the concentration in movement science is to develop a coherent view of theory, clinical practice and research in motor learning and control. Study is directed at both normal and dysfunctional movement.

The goal of the specialization is to prepare students for research and teaching careers. This goal is met by the comprehensive educational program, which is complemented by a mentoring model of graduate emphasizing research under the direction of experienced faculty.

Specializations in Physician Assistant

The two clinical specialty residencies, ophthalmology and emergency medicine, in Physician Assistant are designed to provide in depth clinical acumen and technical skills. Students will learn the clinical skills for these specialties from attending physicians and specialists. Graduates will gain a deeper appreciation for the scientific principles related to ophthalmology or emergency medicine specializations enabling the graduates to be high functioning practitioners in these disciplines.

Specialization in Speech-Language Pathology

The specialization track in speech-language pathology offers a flexible program of advanced study tailored to address the individual needs of doctoral students with a primary interest that can range from basic research in speech, voice or language science to applied research and/or clinical applications related to speech and language disorders. Doctoral-level courses are offered in the various areas of communication science and disorders, as well as in a large number of related disciplines. This coursework can be combined with independent study in order to design a program

of study that provides an even closer match for the individual's interests and professional goals. Supervised research and teaching experiences further supplement this comprehensive and rigorous training program which culminates in the completion of the doctoral dissertation.

Program Goals, Objectives and Outcomes Goals

The overall goal of the Doctor of Philosophy (Ph.D.) is to prepare practicing healthcare providers to assume leadership roles in professional leadership, research and practice within the changing healthcare system. To achieve this goal a flexible and diverse curriculum has been designed to develop individuals who:

- exhibit advanced communication and clinical or educational skills to serve as active contributors to the healthcare system;
- consider ethical values and principles fundamental to the provision and receipt of healthcare services;
- use pedagogical and organizational skills necessary to deliver health care in an efficient and effective manner;
- critically appraise health science literature and apply the appropriate principles and procedures to the recognition, evaluation, interpretation and understanding of current issues;
- apply the principles of scientific inquiry to investigate problems at the frontiers of knowledge; and
- demonstrate knowledge and sensitivity of culturally diverse populations and their attitudes toward health and illness.

Objectives

On completion of the Doctor of Philosophy program, graduates should be able to:

- demonstrate proficiency in a chosen field of patient care or education in the health sciences;
- integrate the three roles of patient care, teaching and research;
- synthesize concepts, models and theories of practice through the appropriate application of theoretical and empirical knowledge;
- integrate professional and ethical values and behaviors in decision making;
- engage in analytical research that fosters change in the delivery of health care;
- advance the scientific base of the health professions;
- investigate research priorities among health service delivery issues and clinical applications that typically concern healthcare practitioners;
- assume responsibility for learning and professional growth;
- collaborate in interdisciplinary practice to establish and maintain high standards of health care; and
- demonstrate proficiency in state-of-the art computer applications.

Outcomes

Upon completion of the Doctor of Philosophy program, graduates will:

- critically evaluate professional, ethical and legal issues;
- demonstrate oral and written competency in both scholarly and technical formats;
- assume leadership roles in the development of problem-solving strategies;
- conduct and defend original research to generate knowledge in their field;
- design and evaluate methodologies for the delivery of high-quality, cost-effective and integrated health care and health professions education programs;

- function in leadership roles;
- apply theories and functions of management, strategies planning, finance, budgeting and marketing in the design and delivery of health care;
- influence healthcare policies and regulations that affect the delivery of health care and the education of health professionals;
- design and teach a course;
- recognize and respond to medical emergencies;
- communicate and collaborate with the healthcare team to facilitate the attainment of common goals;
- perform their duties in a manner sensitive to the diverse racial, ethnic, gender, religious and other social groups;
- encourage consumers to become responsible decision makers regarding healthcare services;
- promote healthy lifestyles and participate in activities that improve the health and wellness of the community;
- apply the theories and tools for designing a responsive health care system;
- use tools for managing healthcare and educational information;
- demonstrate knowledge of scientific advances in their field of practice; and
- exhibit commitment to their chosen profession, participate in its affairs and interrelate with other healthcare professionals.

Criteria for Admission

The following are prerequisite for admission to the program leading to the Doctor of Philosophy in Health Sciences:

- graduate of an accredited, entry-level healthcare professional program (with a minimum of a baccalaureate degree) and proof of eligibility for licensure to practice in New Jersey, when applicable. (Health care managers and educators possessing a minimum of a baccalaureate degree are eligible);
- two letters of recommendation indicating that the applicant possesses the aptitude and ambition to complete a course of doctoral study. Preferably, letters should be from current or previous employers and/or from last school attended;
- statement of goals and research career interests;
- personal interview;
- completion of an application for admission along with official transcripts from all undergraduate or graduate study;
- minimum GPA of 3.0 on a 4.0 scale;
- curriculum vitae; and
- foreign student must submit TOEFL (test for English as a second language) score of at least 550.

For program admittance consideration, a completed application should be received by:

November 1 – Spring Semester

April 1 – Summer/Fall Semesters

Curriculum Requirements

This program of study requires completion of a minimum of 60 credits beyond the master's degree or a minimum of 66 credits beyond the master's degree (if the master's degree came from another institution, or from another program at Seton Hall University). The educational program plan is developed by the student in consultation with and approval by an academic adviser/mentor. An academic adviser is assigned to the student upon admission to the program. This adviser serves as the student's academic adviser while the student is pursuing course

work and participates in selection of the dissertation committee. All students are required to complete, at a minimum, 9 credits of core courses; 6 credits of advanced science; 2 credits of teaching experience; 18 credits of specialization courses; 13 credits of research courses; 12 credits of dissertation; and 6 credits of electives. Specific courses for the specialization phase as well as electives are selected by the student in consultation with the academic adviser to ensure a flexible and creative process of continuing personal and professional development.

Core (9 credits)

The goal of this portion of the program is to provide the basis for an understanding of the healthcare delivery system, ethical and professional values and an understanding of the importance of communications within an organizational structure.

Advanced Science (6 credits)

The goal of this portion of the program is to engage the student in the study of new advances in the basic sciences and the scientific basis of practice.

Practicum: Teaching Experience (2 credits)

The goal for this portion of the program is to give students the opportunity to advance their teaching skills either by assisting in teaching one course within the discipline or conducting a continuing education program. Academic coursework in curriculum design may be necessary prior to this experience depending on the student's background. Substantial prior teaching experience may allow this requirement to be waived or modified.

Research (13 credits)

The goal of this portion of the program is to provide the student with a broad and comprehensive understanding of research findings and the communication of those findings to others. At least one statistics course (where the student receives knowledge of inferential statistics, correlation/regression, and multivariate statistics) and one research methods course are required.

Electives (6 credits)

Courses offered by graduate the divisions of the universities that meet the goals of the Doctor of Philosophy in Health Sciences may be taken with prior approval by the student's academic adviser and with permission of the department in which the course is offered.

Dissertation Process (12 credits)

Students are expected to conduct and defend an original research investigation for the purpose of advancing the body of knowledge in their own field.

Specialization (18 credits)

For this area of study, students must select a minimum of 15 credits of specialization courses designed to provide critical analysis of treatment methods and the scientific basis of practice. Selection of courses is dependent on the specialization track in which the student is enrolled.

Ph.D. Program Plan Overview

Candidates are required to successfully complete a program plan of 60-66 credits beyond a master’s degree. Courses listed under two categories will only count once in the program plan.

Core Courses (9 credits)

GMHS 6110	Health Services Issues and Trends
GMHS 7403	Philosophy of Science
GMHS 7603	Biomedical Ethics

Advanced Science Courses (6 credits)

(Not applicable for PA specialization)

Select two

GMED 6005	Neuroscience
GMHS 6721	Clinical Medicine I
GMHS 6722	Clinical Medicine II
GMHS 7304	Neuromotor Processes: Brain and Behavior
GMHS 8101	Applied Physiology
GMHS 8302	Anatomical and Clinical Considerations: Upper Extremities
GMHS 8303	Anatomical and Clinical Considerations: Lower Extremities
GMHS 8304	Anatomical and Clinical Consideration of the Spine
GMPA 6102	Principles of Epidemiology
GMPA 6105	Pharmacology

Research (13 credits)

CPSY 8616	Intermediate Statistical Methods (required)
CPSY 9002	Seminar in Applied Multivariate Statistics
GMHS 7501	Research Methods (required) (prerequisite: graduate statistics course)
GMHS 7502	Research Project I (required)
GMHS 7503	Scientific Writing
GMHS 7506	Scientific Writing I (required)
GMHS 7602	Research Project II
GMHS 7909	Qualitative Research (required for OT specialization)
GMHS 8400	Government Regulation of Scientific Inquiry and Grantsmanship (3)
GMPA 6102	Principles of Epidemiology
RGCN 8000	Research Advisement

Practicum – Teaching Experience (3 credits)

GMHS 8507	Practicum: Teaching Experience
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Elective (6 credits)

Any Seton Hall University course

Dissertation Process (12 credits)

(repeated enrollment may be needed in the following courses)

GMHS 9501	Dissertation I (prerequisite: student must have attained doctoral candidacy)
GMHS 9502	Dissertation II (prerequisite: GMHS 9501)
GMHS 9503	Dissertation Advisement (prerequisite. GMHS 9502)

Specialization (18 credits)

Select one of the five specialization tracks:

Health Professions Leadership

GMHS 6210	Curriculum Development in Health Professions Education
GMHS 6307	Integrating Technology and Education
GMHS 6409	Styles of Teaching and Learning in Health Professions Education
GMHS 7110	Strategic Planning for Healthcare Professions Education (required)
GMHS 7307	Independent Study in Health Sciences
GMHS 7505	Legal Issues in Health Care and Health Professions Education (required)
GMHS 7600	Current Issues in Health Professions Education
GMHS 8400	Government Regulation of Scientific Inquiry and Grantsmanship
PSMA 6005	Financial Management and Control
PSMA 7511	Introduction to the Healthcare System
PSMA 7512	Healthcare Policy
PSMA 7513	Healthcare Management

Movement Sciences

GMHS 63xx	Topical Seminar (2 enrollments allowed with different topics)
GMHS 7100	Methods for Studying Movement and Human Performance (required)
GMHS 7202	Issues in Motor Control: Reaching and Manipulation
GMHS 7203	Issues in Motor Control: Gait
GMHS 7205	Issues in Motor Control: Balance
GMHS 7304	Neuromotor Processes: Brain and Behavior
GMHS 7305	Investigatory Methods in Biomechanics
GMHS 7306	Investigatory Methods in Electromyography
GMHS 7307	Independent Study in Health Sciences
GMHS 8102	Movement Disorders in Pediatrics
GMHS 8113	Principles of Motor Control and Learning (required)

Speech-Language Pathology

GMHS 8200	Topics in Articulation/Phonological Development and Disorders*
GMHS 8201	Topics in Dysphagia*
GMHS 8202	Topics in Fluency Development and Disorders
GMHS 8203	Topics in Language Acquisition and Disorders
GMHS 8204	Topics in Neurogenic Disorders of Cognition and Language
GMHS 8205	Topics in Neurogenic Disorders of Speech*
GMHS 8206	Topics in Speech Analysis Methods and Instrumentation*
GMHS 8207	Topics in Speech Motor Control
GMHS 8208	Topics in Voice Disorders
GMHS 9000	Independent Study*

Candidacy Examination

All Ph.D. students are required to pass a candidacy examination. Once students pass the candidacy examination, they are considered doctoral candidates and are eligible to begin the dissertation process. The examination is a written examination given on the Seton Hall University campus.

Students may apply for candidacy when they have completed 48 credits of coursework, including completing the required core courses, research courses and specialization courses. A candidacy examination may be retaken once.

The candidacy examination is given twice per year.

Students must complete a Candidacy Examination Application, and the application must be signed by the faculty adviser. The application may be obtained from the student's adviser or from the program's office.

Dissertation Guidelines

With input from the academic adviser, students must select a dissertation committee chair prior to initiating the dissertation proposal process. This occurs following successful completion of the candidacy examination. The chair shall hold an earned Doctorate and a full-time faculty appointment at Seton Hall University. The chair will act as the student's primary research adviser and advocate throughout the dissertation process.

Proposal Hearing

Dissertation I culminates when the candidate orally defends the proposal before the dissertation committee and University community. Candidates must receive written approval of the proposal from the dissertation committee and the appropriate Institutional Review Board before further progress on the research is allowed. Upon written approval, candidates may register for Dissertation II, and undertake the research investigation outlined in the proposal. It is expected that candidates will register for Dissertation Advisement following completion of data collection and completion of the first draft of the Discussion section. Candidates will continue to register for Dissertation Advisement until the dissertation document has been fully approved and accepted by the Dissertation Committee, and the document has been defended in the oral dissertation defense. Dissertation advisement may vary from 1-3 credits. Students must complete a minimum of 12 credits of dissertation.

Dissertation Defense

The candidate must submit to all committee members a completed dissertation six weeks prior to the scheduled oral defense of the dissertation. Students must submit the applicant for Dissertation defense three weeks prior to the scheduled defense date. Public notification of the author, title, date and location of the defense will be made to department faculty, students and staff one week prior. A dissertation will not be considered approved until all members of the committee sign the signature page and the appropriate outcome form. A dissertation may be signed only when no revision or only minor revisions are required. Candidates must adhere to all dissertation guidelines as specified by the program.

Information or Application Request

Graduate Programs in Health Sciences
School of Graduate Medical Education
McQuaid Hall
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M.S. in Health Sciences

The Master of Science in Health Sciences degree program in the School of Graduate Medical Education of Seton Hall University is distinguished by its interdisciplinary and intradisciplinary approach to graduate study. The fundamental design of the program is a model of professional education that is broadly based upon a flexible core curriculum in health sciences with specialization that will permit practicing professionals to assume leadership roles as advanced practitioners, managers or health profession educators. The program is designed for health professionals interested in pursuing advanced education at the master's level.

A core of courses, taken by all students, provides the basis for an understanding of the healthcare delivery system and an understanding of the role and importance of communications within organizations. One additional course in advanced sciences, again taken by students in all tracks, provides the critical analysis of treatment methods and the scientific basis of practice. Students select specialized courses designated for each track, which provides them with the opportunity to design an individualized plan of study. The coursework is further enhanced through participation in seminars, practica and research projects.

The three tracks in the Master of Science program are health professions leadership, movement science and athletic training. The program is committed to assisting students develop basic research skills, investigate of research questions in the multitude of healthcare environments, and the acquisition and distribution of new information to society. Innovative scheduling allows for full and part-time studies.

Specialization in Health Profession Leadership

The health profession leadership specialization track is designed to provide graduate education for those professionals seeking leadership roles in a variety of healthcare educational settings. The leadership track will prepare individuals to design and evaluate methodologies for the development and delivery of high-quality, effective health professions education programs and influence healthcare education policies and regulations that affect the delivery of education of health professionals.

Specialization in Movement Science

A trend toward the multidisciplinary study of human movement and motor control has resulted in a restructure and redesign of traditional theories of movement. This has contributed to the need for rehabilitation professionals who read and apply new knowledge and findings for clinical or educational practice, and for educators to alter what is taught at the entry-level of practice. The goal of this concentration in movement science is to develop a coherent view of theory, clinical practice and research in motor learning and control. Study is directed at both normal and dysfunctional movement.

Specialization in Athletic Training

The goal of this athletic training specialization is to advance the knowledge base of athletic trainers in the ever-changing and expanding healthcare arena. Based on a strong foundation of science and scientific principles, graduates will advance athletic training within the interdisciplinary healthcare system to better serve the clients, the profession and the community by functioning as clinicians, educators, administrators and researchers.

Programs, Goals, Objectives and Outcomes

Goals

The overall goal of the Master of Science is to prepare practicing healthcare providers to assume leadership roles in professional leadership, research and practice within the changing healthcare system. To achieve this goal a flexible and diverse curriculum has been designed to develop individuals who:

- exhibit advanced communication and clinical or educational skills to serve as active contributors to the healthcare system;
- consider ethical values and principles fundamental to the provision and receipt of healthcare services;
- utilize pedagogical and organizational skills necessary to deliver health care in an efficient and effective manner;
- critically appraise health science literature and apply the appropriate principles and procedures to the recognition, evaluation, interpretation and understanding of current issues;
- apply the principles of scientific inquiry to investigate problems at the frontiers of knowledge; and
- demonstrate knowledge and sensitivity of culturally diverse populations and their attitudes toward health and illness.

Objectives

Upon completion of the Master of Science program, graduates should be able to:

- demonstrate proficiency in a chosen field of patient care or education in the health sciences;
- integrate the three roles of patient care, teaching and research.
- Synthesize concepts, models and theories of practice through the appropriate application of theoretical and empirical knowledge;
- integrate professional and ethical values and behaviors in decision making;
- engage in analytical research that fosters change in the delivery of health care;
- advance the scientific base of the health professions;
- investigate research priorities among health service delivery issues and clinical applications that typically concern healthcare practitioners;

- assume responsibility for learning and professional growth;
- collaborate in interdisciplinary practice to establish and maintain high standards of health care; and
- demonstrate proficiency in state-of-the art computer applications.

Outcomes

Upon completion of the Master of Science program, based upon their specialization areas, graduates will:

- critically evaluate professional, ethical and legal issues;
- demonstrate oral and written competency in both scholarly and technical formats;
- assume leadership roles in the development of problem-solving strategies;
- conduct and defend original research to generate knowledge in their field;
- design and evaluate methodologies for the delivery of high quality, cost-effective and integrated healthcare and health professions education programs;
- function in leadership roles;
- influence healthcare policies and regulations that affect the delivery of health care and the education of health professionals.
- design and teach a component of a course;
- recognize and respond to medical emergencies;
- communicate and collaborate with the healthcare team to facilitate the attainment of common goals;
- perform their duties in a manner sensitive to the diverse racial, ethnic, gender, religious and other social groups;
- encourage consumers to become responsible decision makers regarding healthcare services;
- promote healthy lifestyles and participate in activities that improve the health and wellness of the community;
- apply the theories and tools for designing a responsive healthcare system;
- utilize tools for managing healthcare and educational information;
- demonstrate knowledge of scientific advances in their field of practice; and
- exhibit commitment to their chosen profession, participate in its affairs and interrelate with other healthcare professionals.

Criteria for Admission

The following are prerequisite for admission to the program leading to the Master of Science in Health Sciences:

- graduate of an accredited healthcare professional program (with a minimum of a baccalaureate degree) and proof of eligibility for licensure to practice in New Jersey, when applicable;
- two letters of recommendation indicating that the applicant possesses the aptitude and ambition to complete a course of graduate study. Preferably, letters should be from current or previous employers and/or from last school attended;
- statement of goals for graduate studies;
- personal interview;
- completion of an application for admission along with official transcripts from entry level professional study plus any other undergraduate or graduate study;
- minimum GPA of 3.0 on a 4.0 scale;
- curriculum vitae; and
- foreign student must submit TOEFL (test for English as a second language) score of at least 550.

For program admittance consideration, a completed application should be received by:

- July 1 – Fall Semester
- November 1 – Spring Semester
- April 1 – Summer Semester

Curriculum

This program of study requires the completion of 39 credits beyond the baccalaureate degree. The educational program plan is developed by the student in consultation with and with the approval of an academic adviser/mentor. The academic adviser will be assigned to the student upon admission to the program and will serve as the student's academic adviser. All students are required to complete 6 credits of core courses; 6 credits of advanced science; 2 credits of teaching experience/practicum; 15 credits of specialization courses; and 13 credits of research courses. However, students enrolled in the PA specialization will be required to complete 6 credits of core courses; 23 credits in specialization, and 10 credits of research. Specific courses for the specialization phase as well as electives are selected by the student in consultation with the academic adviser to insure a flexible and creative process of continuing personal and professional development.

Core (6 credits)

The goal of this portion of the program is to provide the basis for an understanding of the healthcare delivery system, ethical and professional values.

Advanced Science (3 credits)

The goal of this portion of the program is to engage the student in the study of new advances in the basic sciences and the scientific basis of practice. *Not applicable for the PA specialization.*

Practicum-Teaching Experience (2 credits)

The goal for this portion of the program is to give the student the opportunity to advance their teaching skills either by assisting in teaching one course within the discipline or conducting a continuing education program. Academic coursework in curriculum design may be necessary prior to this experience depending on the student's background. Substantial prior teaching experience may allow this requirement to be waived or modified.

Research (13 credits)

The goal of this portion of the program is to provide the student with a broad and comprehensive understanding of research findings and the communication of those findings to others. The student is required to take scientific writing, statistics and research methods courses followed by enrollment in research project. Once enrolled in the research methods course, the student will be assigned a research mentor to assist in the development and execution of the student's master's research project. Students in the PA specialization will complete only 10 credits in this area.

Specialization (15 credits)

For this area of study the student must select a minimum of 15 credits of specialization courses designed to provide critical analysis of treatment methods and the scientific basis of practice. Selection of courses is dependent on the specialization track in which the student is enrolled.

Competencies

Practicum

Following completion of 15 credits of coursework (including a minimum of 6 credits in their specialization), students are eligible to register for practicum. The goal of the practicum experience is to provide students the opportunity to integrate the goals of this graduate program in a practical situation, through the application of clinical, research, administrative or educational principles within a healthcare organization or institution of higher education.

Research Project

Following completion of between 20-36 credits of coursework (including a minimum of 9 credits in their specialization and completion of the research methods course), students will be eligible to register for research project course. The purpose of the research project course is to assist students in conducting a scholarly research investigation in an attempt to enable them to demonstrate their comprehensive knowledge of their specialty, research design as well as the other core components. Once students complete the research investigation it is expected that they share their work with their colleagues in one of the following formats: journal article, symposium presentation and/or poster presentation. The research project must be completed within two years of completion of coursework.

Curriculum Requirements

The candidate is required to successfully complete a program plan of 39 credits as follows:

Core Courses (6 credits)

GMHS 6110	Health Services, Issues and Trends
GMHS 7603	Biomedical Ethics

Advanced Science Courses (3 credits)

Select one

GMED 6005	Neuroscience
GMHS 6721	Clinical Medicine I
GMHS 6722	Clinical Medicine II
GMHS 7304	Neuromotor Processes: Brain and Behavior
GMHS 8101	Applied Physiology
GMHS 8302	Anatomical and Clinical Considerations: Upper Extremities
GMHS 8303	Anatomical and Clinical Considerations: Lower Extremities
GMHS 8304	Anatomical and Clinical Considerations: Spine
GMPA 6102	Principles of Epidemiology
GMPA 6105	Pharmacology

Research (13 credits)

GMHS 7500	Statistics (required)
GMHS 7501	Research Methods (required)
GMHS 7502	Research Project I (required)
GMHS 7506	Scientific Writing I
GMHS 7602	Research Project II
RGCN 8000	Research Advisement

Practicum (3 credits)

GMHS 8508	Practicum
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Specialization (15 credits)

Select one of the following two specialization tracks:

Movement Science

Select five

GMHS 63xx	Topical Seminar
GMHS 7100	Methods for Studying Movement and Human Performance (required)
GMHS 7202	Issues in Motor Control: Reaching and Manipulation
GMHS 7203	Issues in Motor Control: Gait
GMHS 7205	Issues in Motor Control: Balance
GMHS 7304	Neuromotor Processes: Brain and Behavior
GMHS 7305	Investigatory Methods in Biomechanics
GMHS 7306	Investigatory Methods in Electromyography
GMHS 7309	Independent Study in Health Sciences
GMHS 8102	Movement Disorders in Pediatrics
GMHS 8113	Principles of Motor Control and Learning (required)

OR

Health Professions Leadership

Select five

EDST 7501	Human and Intercultural Relations
GMHS 6210	Curriculum Development in Health Professions Education
GMHS 6240	Man and Leadership Health Professions Education
GMHS 6307	Integrating Technology and Education
GMHS 6409	Styles of Teaching and Learning in Health Professions Education (required)
GMHS 7307	Independent Study in Health Sciences
GMHS 7600	Current Issues in Health Professions Education (required)

Total credits: 39

Athletic Training

Select 15 credits

GMAT 6005	First Aid Emergency Response	2
GMAT 6014	Exercise Physiology in Health & Disease	4
GMAT 6015	Emergency Medical Technician	4
GMAT 6101	Physical Agents	3
GMAT 6105	Pharmacology	2
GMAT 6106	Basic Clinical Imaging	2
GMAT 6112	Evaluation & Management of the MS System I-Extremities	3
GMAT 7005	Evaluation & Management of the MS System II-Spine	3

GMAT 7006	Investigatory Methods in EMG	3
GMAT 7008	Drugs and Physical Performance	3
GMAT 7305	Investigatory Methods in Biomechanics	3

Physician Assistant (23 required credits)

GMHS 6997	Clinical Internship Experience 1	7
GMHS 6998	Core Specialization Lecture Series 1	2
GMHS 7997	Clinical Internship Experience 2	7
GMHS 7998	Core Specialization Lecture Series 2	2
GMHS 8997	Clinical Internship Experience 3	4
GMHS 8998	Core Specialization Lecture Series 3	1

Course Descriptions

*Courses may only be taken by students formally admitted to the program.

EDST 7501 Human and Intercultural Relations

Race, gender and ethnic relations in the historical perspective of the foundation of the United States as a nation. A critical review of theories of assimilation and the goals of a post-melting pot society for a new social order. 3 credits.

GMHS 6110 Health Services Issues and Trends

An analysis of selected professional and policy issues affecting the present and projected healthcare delivery system. Issues concerning healthcare personnel, patients, healthcare technology, organizational structures and facilities, finance mechanisms and the role of government are stressed in relation to how they influence healthcare services and delivery. 3 credits.

GMHS 6140 Teaching in the Health Professions

An analysis of the role of the health professional teacher in the planning, development, management and evaluation of instruction. Emphasis is placed on the selection and implementation of teaching strategies and assessment methods according to the goal(s) of instruction, and the application of current research on student development of ability-based outcomes. 3 credits.

GMHS 6210 Curriculum Development in Health Professions Education

An intensive study of the basic principles and procedures utilized in the development of health professional curricula. 3 credits.

GMHS 6240 Management and Leadership in Health Professions Education

An exploration of the practical aspects of administering health professions educational programs to include planning, organizing, staffing, marketing, student recruitment, selection and retention, and program accreditation. 3 credits.

GMHS 6307 Integrating Technology and Education

Designed for educators who want to integrate "good practice" with a technology-based curriculum. Computer supported learning tools are explored within the context of the curriculum through an interactive approach. 3 credits.

GMHS 63xx Topical Seminar

Provides students the opportunity to participate in an in-depth, literature-based review of special topics. Integration of current information from research findings into clinical practice is a primary focus. Repeated enrollment is permitted when special topic is different. 3 credits.

GMHS 6409 Styles of Teaching and Learning in Health Professions Education

Study of alternative relationships in the teaching-learning process. Course experiences will be guided by the "spectrum of teaching styles," a framework that delineates options in teaching and learning. Organizing students and subject matter; managing time, space and equipment; interacting with students; choosing verbal behavior; and creating cognitive connections with learners. Portfolio development is also a focus of this course. *3 credits.*

GMHS 6721 Clinical Medicine I

Study of selected systematic diseases, medical-surgical, and neurological conditions. Basic concepts of identification and management of these conditions in children and adults. Pathological processes, conditions and manifestation in relationship to their influences on the patient. Topics may include inflammation and repair, infections, AIDS, rheumatology, gastroenterology, oncology, cardiopulmonary, urology, immunology, pain and general surgery. *3 credits.*

GMHS 6722 Clinical Medicine II

Study of selected systematic diseases, medical-surgical, and neurological conditions. Basic concepts of identification and management of these conditions in children and adults. Pathological processes, conditions and manifestation in relationship to their influences on the patient. Topics may include inflammation and repair, infections, AIDS, rheumatology, gastroenterology, oncology, cardiopulmonary, urology, immunology, pain and general surgery. *3 credits.*

GMHS 6998 Core Specialization Lecture Series 1

An extensive lecture series provided to complement the Clinical Internship Experience. *2 credits.*

GMHS 6999 Clinical Internship Experience 1

An intensive full time clinical experience in a specialized area is encountered in a hospital, clinic and or private practice. The goal is to achieve the knowledge, proficiency and expertise to function effectively in the physician assistant role in a highly specialized area of practice. Clinical experience includes a diverse method of learning experiences including direct patient contact, didactic coursework, seminar, rounds, presentation and research projects. *8 credits.*

GMHS 7002 Neuropsychological Assessment

Provides students with the fundamentals of neuropsychology and the techniques of neuropsychological assessment. *3 credits.*

GMHS 7100 Methods for Studying Movement and Human Performance

Introduces the student to the major clinical and research measurement tools used to describe and quantify movement and human performance. Students learn to evaluate the adequacy of these measurement tools through critical reading of the literature in the areas of standardized tests, movement-science measures and physiologic measures. *3 credits.*

GMHS 7110 Strategic Planning for Healthcare and Health Professions Education

This course focuses on methods related to strategic planning in healthcare institutions and health professions education programs. The methods include planning, implementing and evaluating clinical or educational outcomes. Students are exposed to healthcare program planning tools such as health informatics and the use of expert systems. *3 credits.*

GMHS 7202 Issues in Motor Control: Reaching and Manipulation

Designed to advance the practitioner's clinical skills and abilities in dealing with upper-extremity motor control issues. Examines the influence of conceptual frameworks for reaching, grasping and manipulating. *3 credits.*

GMHS 7203 Issues in Motor Control: Gait

Designed to advance the practitioner's clinical skills and abilities in dealing with lower extremity motor control issues. Examines the influence of conceptual frameworks for ambulation, theory technology and normative data and current treatment paradigms in relation to several movement disorders. *3 credits.*

GMHS 7205 Issues in Motor Control: Balance

Designed to advance the practitioner's clinical skills and abilities in dealing with balance issues. Examines the influence of conceptual frameworks for balance theory and current treatment paradigms in relation to several movement disorders across the lifespan. *3 credits.*

GMHS 7304 Neuromotor Processes: Brain and Behavior

This course focuses on advanced study of human neuroanatomy and neurophysiology. Anatomy reviews will focus on the mechanisms for contrasting stimuli for cortical and subcortical processing as they relate to automatic and volitional movement and learning. Current topics in neuroscience will be explored using texts and critical literature review. Students will have opportunities to investigate issues relevant to clinical practice. *3 credits.*

GMHS 7305 Investigatory Methods in Biomechanics

Goals of this course are to develop an understanding of the variety of methods of data collection, data processing and analysis used in human movement research. Students gain an understanding of the concepts and techniques required in analyzing human movement. Develops the skills necessary to choose practical research questions and analytical methods concerning human movements. Permission required. *3 credits.*

GMHS 7306 Investigatory Methods in Electromyography

Designed to provide students with knowledge of kinesiology EMG through a combination of data collection, analysis and interpretation, and discussion of relevant literature. Data acquisition and signal processing of various types of movements will allow the student to explore practical and theoretical issues affecting the interpretation of EMG. *3 credits.*

GMHS 7307/7308/7309 Independent Study in Health Sciences

Intensive study of a specialized area within the field of health sciences. Subject and credit hours can be arranged. Prerequisite: Permission of departmental mentor is required. *1-3 credits.*

GMHS 7403 Philosophy of Science

Introduces students to a broad range of philosophical and sociological concepts in the development of scientific and medical enterprises. *3 credits.*

GMHS 7500 Statistics

The goal of this course is to enhance each student's understanding and effective use of the techniques used to describe and analyze data in the health sciences. The course is not intended to produce the sophistication in statistics, computer programming, or psychometric applications needed to develop and carry out major research projects. Rather, it is an introductory level course

intended to develop student's competence in the application of the basic statistical techniques used to explore, describe and analyze information for research or evaluation purposes.

GMHS 7501 Research Methods

Exploration of methods of research and communication of new information to and from the clinician. Systematic analysis of research problems, relationships between hypotheses and procedures and techniques for analyzing data and evaluating evidence. Review and critical evaluation of selected writings and research methods in the health professions. Students select and develop an approved research project. Prerequisite: Graduate level course in statistics. *3 credits.*

GMHS 7503 Scientific Writing

In-depth analysis of the organization and composition of articles, analyses and reviews according to formats prescribed by academic, legal or other professions. Varied approaches to writing of technical reports are reviewed. Examples of creating proposals for grants and program development are presented. *3 credits.*

GMHS 7505 Research Project I*

Seminar for graduate students for the purpose of completing an approved project culminating in the submission of the project for presentation to the professional community. Prerequisite: GMHS 7501. *3 credits.*

GMHS 7506 Scientific Writing I

This course is designed to present methods of writing scientific papers, reviewing articles and dissemination of scientific findings. *1 credit.*

GMHS 7600 Current Issues in Health Professional Education

Academic administration and management is at the heart of every college and university. No institution of higher education can be better than its faculty, chairs, deans, provosts, administrative support staff and their ability to manage the work environment. Relying on the case study method, this course will consider topics such as academic tenure, faculty due process, role of the department chair, compensation, professional development, financial management and policy formulation. *3 credits.*

GMHS 7602 Research Project II*

Seminar for graduate students for the purpose of completing an approved project culminating in the submission of the project for presentation to the professional community. Prerequisite: GMHS 7501. *3 credits.*

GMHS 7603 Biomedical Ethics

A study of the application of human and professional values, judgments and choices to selective ethical dilemmas that arise in practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision making models applicable to resolving professional dilemmas in the delivery of health care. *3 credits.*

GMHS 7998 Core Specialization Lecture Series 2

An extensive lecture series provided to complement the Clinical Internship Experience. *2 credits.*

GMHS 7999 Clinical Internship Experience 2

An intensive full-time clinical experience in a specialized area is encountered in a hospital, clinic and or private practice. The goal is to achieve the knowledge, proficiency and expertise to function

effectively in the physician assistant role in a highly specialized area of practice. Clinical experience includes a diverse method of learning experiences including direct patient contact, didactic coursework, seminar, rounds, presentation and research projects. *8 credits.*

GMHS 8101 Applied Physiology

The relationships between system function, pathophysiology and the common clinical/lab measurements used in evaluative procedures are discussed. Exercise response for systems are detailed through discussion and literature review. *3 credits.*

GMHS 8102 Movement Disorders in Pediatrics

The course focuses on an in-depth analysis of pediatric assessment tools and treatment in the pediatric population. Specific purposes and application of assessment tools are discussed with reference to gross and fine motor skills. Related current treatment philosophies will also be explored. Literature review on current research findings appropriate to these topics will be incorporated in the discussions. *3 credits.*

GMHS 8113 Principles of Motor Control and Learning

This course will contain three major topics. The first topic will explore the historical and current theories of motor control. Topics related to the control processes and mechanisms of skilled movement will be addressed. The students will be introduced to the techniques currently available to measure the kinetics and the outcomes of movement. In the second topic, students will learn about the variables that are most important for the learning of new movement behaviors. The third topic will explore issues related to the recovery of motor function such as neural plasticity, cortical reorganization and motor learning following brain damage. *3 credits.*

GMHS 8200 Topics in Articulation/Phonological Development and Disorders

Intensive study of selected topics regarding the development of articulatory and phonological processes in children and the development, nature, and clinical management and disorders of articulation and phonology. Topics will vary according to student needs. *3 credits.*

GMHS 8201 Topics in Dysphagia

Intensive study of selected topics regarding the etiology and clinical management of swallowing/deglutition disorders. Topics will vary according to student needs. *3 credits.*

GMHS 8202 Topics in Fluency Development and Disorders

Intensive study of selected topics regarding the development of speech fluency and the etiology, development, and clinical management of fluency disorders. Topics may vary according to student needs. *3 credits.*

GMHS 8203 Topics in Language Acquisition and Disorders

Intensive study of selected topics regarding language acquisition and the etiology and clinical management of language disorders. Topics may vary according to student needs. *3 credits.*

GMHS 8204 Topics in Neurogenic Disorders of Cognition and Language

Intensive study of selected topics regarding neurogenic disorders of cognition and language in pediatric and adult populations. Topics may vary according to student needs. *3 credits.*

GMHS 8205 Topics in Neurogenic Disorders of Speech

Intensive study of selected topics regarding neurogenic disorders of speech in pediatric and adult populations. Topics may vary according to student needs. *3 credits.*

GMHS 8206 Topics in Speech Analysis Methods and Instrumentation

Intensive review of, and practical exercises with, laboratory instrumentation for the analysis of acoustic and physiological characteristics of speech production. Topics may vary according to student needs. *3 credits.*

GMHS 8207 Topics in Speech Motor Control

Intensive study of selected topics regarding the neuromotor processes underlying normal speech production. Topics may vary according to student needs. *3 credits.*

GMHS 8208 Topics in Voice Disorders

Intensive study of selected topics regarding the neurophysiology of voice and the etiology, development and clinical management of voice disorders. Topics may vary according to student needs. *3 credits.*

GMHS 8302 Anatomical and Clinical Considerations: Upper Extremities

The composition and the response of histological structures of the upper extremities are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach to clinical anatomy will be provided, including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GMHS 8303 Anatomical and Clinical Considerations: Lower Extremities

The composition and the response of histological structures of the lower extremities are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach to clinical anatomy will be provided, including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GMHS 8304 Anatomical and Clinical Considerations of the Spine

The composition and the response of histological structures of the spine are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach of clinical anatomy will be provided, including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GMHS 8400 Government Regulation of Scientific Inquiry and Grantsmanship

This course provides students with an overview of grant funding agencies, setting funding policies, mechanisms for establishing grants, writing grants, evaluating grants, implementing and complying with a granting agencies guidelines. Students are expected to identify a funding opportunity and write a grant to the funding agency. *3 credits.*

GMHS 8507 Practicum: Teaching Experience

Provides students the opportunity to integrate the goals of the program in a practical situation through the application of clinical or educational principles in a healthcare organization or institution of higher learning. *2 credits.*

GMHS 8998 Core Specialization Lecture Series 3

An extensive lecture series provided to complement the Clinical Internship Experience. *1 credit.*

GMHS 8999 Clinical Internship Experience 3

An intensive full time clinical experience in a specialized area is encountered in a hospital, clinic and or private practice. The goal is to achieve the knowledge, proficiency and expertise to function effectively in the physician assistant role in a highly specialized area of practice. Clinical experience includes a diverse method of learning experiences including direct patient contact, didactic coursework, seminar, rounds, presentation and research projects. *5 credits.*

GMHS 9501 Dissertation I

Seminar and discussion for doctoral candidates on the purpose, structure and content of the dissertation proposal. Areas emphasized include problem statements/hypotheses, review of the literature and selection and application of appropriate methods. Includes reviews and critiques of sample proposals, mock proposals, mock proposal hearings and candidate presentations of draft proposals. Prerequisite: candidacy status. *3-6 credits.*

GMHS 9502 Dissertation II

Colloquium for doctoral candidates in the final phases of dissertation preparation. The focus is on candidate-lead presentations covering various research designs and data analyses techniques, with an emphasis on critical analysis of findings and conclusions. Prerequisites: completion of GMHS-9501, approval of dissertation proposal, and in progress with dissertation data collection. *3-6 credits.*

GMHS 9503 Dissertation Advisement

Provides a mechanism for refinement of the formal research paper and final dissertation document. Student must enroll a minimum of one time and maintain continuous enrollment until completion of the dissertation (dissertation defense). Prerequisites completion of GMHS 9502, submission of first draft of dissertation document, formal presentation of results via research colloquium. *3 credits.*

PSMA 6005 Financial Management and Control

Introduction to basic financial, budgetary and accounting concepts, processes and techniques relevant to public service managers; how and why financial decisions are made; how they affect organization operations, use of financial documents and financial analysis. *3 credits.*

PSMA 7511 Introduction to the Healthcare System

Systematic introduction to the healthcare delivery system with emphasis on interactions of government authorities, delivery systems, the financing of health care, regulation, competition, organizational innovations in healthcare services and alternate strategies. *3 credits.*

PSMA 7512 Healthcare Policy

Current U.S. health policies and their implications with in-depth study of the policy process and analytical approaches to decision-making; and special emphasis on the nature and role of healthcare policy studies in decision-making. Examination of comparative international systems. *3 credits.*

PSMA 7513 Healthcare Management

The role of the contemporary healthcare manager with emphasis on identifying basic managerial skills and knowledge that contribute to effective healthcare management. Extensive use of case studies and supplemental readings. *3 credits.*

RGCN 8000 Research Advisement

Students in research phase of the curriculum must register continuously for this course until completion of the project. Students must maintain contact with their mentor and be involved in the research and writing process. Required only if student does not complete the project while enrolled in Research Projects. GMHS 7502. *1 credit.*

M.S. in Physician Assistant

The Master of Science in Physician Assistant (M.S.P.A.) program is designed to develop healthcare practitioners who:

- practice with physicians within the healthcare community in a variety of settings;
- possess a broad base of knowledge with which to serve patients of all ages;
- critically appraise health science literature and apply the appropriate principles and procedures to the recognition, evaluation, interpretation and understanding of current trends; and
- demonstrate knowledge and sensitivity to culturally diverse populations and their attitudes toward health and illness.

This 106-credit, three-year professional program includes courses specific to physician assistant practice that are intended not only to provide students with the technical skills necessary to perform as entry-level practitioners, but also to enable them to grow and adapt to the rapid changes in the professions and the healthcare delivery system.

Admission

Admission to the program is open to individuals who:

- possess a baccalaureate degree from an accredited institution; and
- have completed the following courses with a grade of "C" or better:

Course	Credits
Anatomy and Physiology	8
Chemistry	8
General Biology	4
Microbiology	4
Precalculus	3
Psychology	3

All prerequisite courses listed above must include a laboratory and be completed no longer than 10 years prior to application. Students with incomplete prerequisites may apply; however, they must state how they will satisfy the prerequisites by the end of the Spring Semester prior to the start of the program.

The Committee on Admissions will determine candidates' eligibility upon review of the following: GPA; Graduate Record Examination (GRE) scores; non-quantifiable items such as letters of recommendation, employment experiences, healthcare experiences, professional and community activities; and a personal interview for those applicants being considered for admission. Foreign students must submit TOEFL scores for review. No advanced placements, transfer credit, or credit for experimental learning will be granted except in very exceptional cases. In no case will more than 4 credits be granted.

Information regarding the application deadline may be obtained from the School of Graduate Medical Education, (973) 275-2596.

Curriculum Requirements

Professional Year I

Fall Semester

GMED 6002	Physiology
GMED 6008	Human Anatomy
GMPA 6103	Health Maintenance and Education
GMPA 6104	Psychiatry
GMPA 6203	Introduction to Clinical Medicine I

Spring Semester

GMPA 6105	Pharmacology
GMPA 6106	Neuroscience
GMPA 6107	Pathophysiology
GMPA 6204	Clinical and Diagnostic Methods
GMPA 6205	Introduction to Clinical Medicine II

Professional Year II

Fall Semester

GMPA 6102	Principles of Epidemiology
GMPA 6201	Clinical Medicine Correlates
GMPA 7301	Fundamentals of Clinical Medicine
GMPA 7302	Nutrition
GMPA 7401	Clinical I

Spring Semester

GMPA 7303	Biomedical Ethics
GMPA 7402	Clinical II

Professional Year III

Fall Semester

GMPA 8501	Research Methods I
GMPA 8503	Biostatistics
GMPA 8601	Internship I

Spring Semester

GMPA 8502	Research Methods II
GMPA 8504	Health Care Policy
GMPA 8602	Internship II

Course Descriptions

**Courses may only be taken by students formally admitted to the program.*

GMED 6001 Functional Human Anatomy

Basic functional human anatomy course with emphasis on skeletal, muscular, connective tissue and nervous systems. Information presented at the tissue, organ and system levels. Visualization of the human body is presented using both models and interactive computer software that present gross dissection, tissue samples and clinical imaging. Discussion of normal structure changes over the entire life span. *4 credits.*

GMED 6002 Human Physiology

Analysis of the patterns of deviation from normal function and adaptive/restorative function available in the presence of disease or trauma primarily affecting the skeletal, connective tissue, muscular, integumentary and nervous systems. Information will be presented at the tissue, organ and system level. Discussion will address changes in response to disease or trauma over the entire lifespan. *4 credits.*

GMPA 6102 Principles of Epidemiology

An introduction to the basic epidemiologic strategies and thinking. Epidemiologic sophistication fosters a questioning attitude; without it, medical practices may be introduced and accepted even though they lack adequate support from well-controlled studies. Students will be exposed to the variations that characterize acute/infectious and chronic disease epidemiology. Implications for primary care practitioners will be emphasized. *3 credits.*

GMPA 6103 Health Maintenance and Education*

Prepares students to provide preventive health care through the understanding of human development as it relates to illness and health maintenance. Students will receive in-depth instruction in the principles of health maintenance from the Physician Assistant perspective. *3 credits.*

GMPA 6104 Psychiatry*

An overview of psychiatric concepts and an introductory approach to the evaluation of patients with emotional problems, in preparation for clinical clerkships. Includes the various psychiatric syndromes, in terms of causal factors, clinical presentation, diagnosis, treatment and outcome. The special problems in sexual dysfunction/variants and suicide. Various psychiatric treatment modalities, including psychopharmacology. The impact that psychological problems have on the total health care of the patient. *2 credits.*

GMPA 6105 Pharmacology

An introduction to the therapeutic agents most commonly used in the practice of medicine. Emphasis will be placed on drug interaction, adverse reactions, therapeutic effects and dosage schedules. Physical manifestations of drug abuse and accidental poisoning also will be discussed. *4 credits.*

GMPA 6106 Neuroscience

Structure, organization and function of the central nervous system. Emphasis on neuron functional organization, basic intercellular and neural communication mechanisms, motor, sensory and perceptual sub-systems, metabolic support, normal development and plasticity in response to functional and structural challenges. *3 credits.*

GMPA 6107 Pathophysiology

The fundamentals of the morphopathological changes found in the different organs of the body in order to interpret the various disease states affecting the human body. Gross and microscopic specimens are used to provide a clear understanding of the disease processes. *3 credits.*

GMPA 6201 Clinical Medicine Correlates*

Basic medical principles and their application to clinical situations through the use of literature search and review. The correlate is taken concurrently with fundamentals of clinical medicine to insure that the theoretical component is reinforced with clinical experience. *1 credit.*

GMPA 6203 Introduction to Clinical Medicine I*

The problem-oriented medical record format, techniques of physical diagnosis and use of examining equipment. Introduction to interviewing techniques and principles, psychosocial development and behavior, and the effective relationship between the physician assistant, other health professionals and the patient; special attention to health promotion, disease prevention and patient compliance issues. Students are assigned to preceptors for the purpose of taking complete histories and performing complete physical examination on patients. Narrative case presentation, using the problem-oriented medical record format. *4 credits.*

GMPA 6204 Clinical and Diagnostic Methods*

The required didactic component in radiology and clinical laboratory testing. Includes basic principles of radiology, pathology and correlations between disease process and interpretation of clinical laboratory diagnostic tests also are discussed. *4 credits.*

GMPA 6205 Introduction to Clinical Medicine II*

The problem-oriented medical record format, techniques of physical diagnosis and use of examining equipment. Introduction to interviewing techniques and principles, psychosocial development and behavior and the effective relationship between the physician assistant, other health professionals and the patient; special attention to health promotion, disease prevention and patient compliance issues. Students are assigned to preceptors for the purpose of actual medical treatment decision making. Narrative case presentation, using the problem-oriented medical record format. *4 credits.*

GMPA 7301 Fundamentals of Clinical Medicine*

The various disease entities in preparation for clinical internships. Students will gain in-depth knowledge of the etiology, clinical presentation, differential diagnosis, diagnoses and therapeutic approach to diseases processes. *5 credits.*

GMPA 7302 Nutrition

The basic principles of nutrition in growth and development, including: energy and nutrient needs, vitamin and mineral needs and functions throughout life, nutrition screening, assessment and monitoring for the health provider and nutrition in acute, chronic and long term care. Organ function with an emphasis on physiology of the GI tract, heart, liver and kidney and the relationship of function to nutrition and diet also will be included. Patient cases illustrate the physiology of health and disease to diet and nutrition management. The role of the physician assistant as a member of the healthcare team in nutrition care is emphasized. *3 credits.*

GMPA 7303 Biomedical Ethics

The application of human and professional values, judgments and choices to selective ethical dilemmas that arise in practice. Emphasis will be placed upon various traditional and contemporary approaches to normative ethics within decision making models applicable to resolving professional dilemmas in the delivery of health care. *3 credits.*

GMPA 7401 Clinical I*

Includes 4-8 week rotations in required primary care areas and one additional month in a primary care elective. Students participate in supervised patient care, attending teaching rounds and medical conferences as they rotate on various services in established clinical facilities. The clinical experience includes a two-hour weekly medicine seminar that focuses on discussions of clinical areas, ethics and student presentations. *12 credits.*

GMPA 7402 Clinical II*

Includes 4-8 week rotations in required primary care areas and one additional month in a primary care elective. Students participate in supervised patient care, attending teaching rounds and medical conferences as they rotate on various services in established clinical facilities. The clinical experience includes a two-hour weekly medicine seminar that focuses on discussions of clinical areas, ethics and student presentations. *12 credits.*

GMPA 8501 Research Methods I*

The fundamentals of research methods and the communication of new information to and from the clinician. The usual format for research proposals, publications and presentations. Topics such as methodology, design, instrumentation, literature review, ethics and funding are covered. The student will participate in the presentation and review of research articles. *3 credits.*

GMPA 8502 Research Methods II*

Provides experience in the development of a research proposal, data collection and analysis of results through working in small research groups with a project adviser. The research process will culminate in the oral presentation of the project to peers, faculty and clinicians. *3 credits.*

GMPA 8503 Biostatistics

Provides an introduction to elementary statistical methods as applied to the study of the distribution of disease in human

populations. Topics include hypotheses testing, probability and chi-square, linear regression and correlation, analyses of variance and nonparametric statistics. An introduction to the use of computers (mainframe and microcomputers) in the analysis of data from clinical and community medicine will be included. *3 credits.*

GMPA 8504 Healthcare Policy

The distribution and causes of physical and mental illness in the United States as well as illness and medicine in other societies. An analysis of the medical system in the U.S. as it relates to healthcare service and delivery. *3 credits.*

GMPA 8601 Internship I*

A series of clinical experiences in various medical specialties are conducted in hospitals, clinics and private medical practices. The goal is to have students achieve the knowledge, proficiency and expertise to function effectively in the physician assistant role. Includes a two-hour weekly practicum seminar devoted to discussion of clinical cases, special lectures, discussion of issues in medical ethics, presentation of recent articles from medical journals and student presentations. *12 credits.*

GMPA 8602 Internship II*

A series of clinical experiences in various medical specialties that are conducted in hospitals, clinics and private medical practices. The goal is to have students achieve the knowledge, proficiency and expertise to function effectively in the physician assistant role. Includes a two-hour weekly practicum seminar devoted to discussion of clinical cases, special lectures, discussion of issues in medical ethics, presentation of recent articles from medical journals and student presentations. *12 credits.*

Doctor of Physical Therapy (DPT)

The Doctor of Physical Therapy is the post-baccalaureate degree conferred upon successful completion of a professional entry-level physical therapy educational program. Physical therapy is a dynamic profession with an established theoretical base and widespread clinical application in the preservation, development and restoration of optimal physical function. This Doctor of Physical Therapy program is intended to prepare physical therapists who are essential participants in the healthcare delivery system and who will assume leadership roles in rehabilitation services, prevention and health maintenance programs, and professional and community organizations. These practitioners will be able to provide a broad range of patient care services and perform research and administrative responsibilities.

The mission of the DPT program is to pool the resources of this Catholic university to prepare individuals to become leaders in physical therapy who can act as administrators and policy makers in the healthcare arena; to prepare individuals as physical therapy clinicians with the capability of practicing competently and proficiently, ethically and professionally, and with care, sensitivity and respect for all humans; and to prepare individuals to become consultants, educators and researchers who can effect change in an evolving healthcare environment.

This is an eight-semester program, which includes academic courses and clinical practica in physical therapy. Students are enabled to develop the skills they need to perform as entry-level practitioners and to grow and adapt to the rapid changes in the profession and the healthcare delivery system. Upon completion, graduates will be thoroughly prepared for the physical therapist licensure examination.

Admission

Admission to the program requires:

- a baccalaureate degree from an accredited institution;
- an overall cumulative GPA of 3.0 on a 4 point scale;
- completion of following courses with a grade of "B" or better:
 - Human Anatomy and Physiology (8 credits)
 - Physics (8 credits)
 - Chemistry (8 credits)
 - Calculus (3 credits)
 - English/Communication (6 credits)
 - Social Sciences (9 credits)
- a minimum of 50 hours of clinical observation with a licensed physical therapist; and
- three letters of recommendation, one from a physical therapist.

All prerequisite science courses must include a laboratory. Students with incomplete prerequisites may apply, however, they must state how they will satisfy the prerequisites prior to the start of the program. All prerequisite courses must be completed no longer than 10 years prior to application date.

The Committee on Admissions will determine candidates' eligibility upon review of the following: GPA; non-quantifiable items such as letters of recommendation, employment experiences, healthcare experiences and professional and community activities. Foreign students must submit TOEFL scores for review.

Information regarding the application deadline may be obtained from the School of Graduate Medical Education, (973) 275-2800.

Curriculum Requirements

Professional Year I

GDPT 6112	Surface Anatomy and Palpation
GDPT 6122	Principles of Teaching and Learning
GDPT 6123	Physical Therapy Roles in Health Care
GDPT 6212	Kinesiology
GDPT 6233	Basic Physical Therapy Procedures
GDPT 6311	Embryology and Genetics
GDPT 6321	Psychosocial Concepts in Healthcare Delivery
GDPT 6431	Therapeutic Biophysics
GMED 6001	Functional Human Anatomy
GMED 6002	Human Physiology
GMED 6004	Biomedical Ethics
GMED 6005	Neuroscience

Professional Year II

GDPT 6213	Exercise Physiology and Nutrition
GDPT 6432	Lifespan: Birth to Maturity
GDPT 6433	Orthotics and Prosthetics/Functional Assistance
GDPT 6441	Pharmacology
GDPT 6442	Orthopedic Clinical Medicine
GDPT 6443	Clinical Imaging
GDPT 6451	Research Methods
GDPT 6531	Lifespan: Maturity and Aging
GDPT 6532	Therapeutic Exercise
GDPT 6533	Management of Musculoskeletal Problems: Extremities
GDPT 6534	Clinical Integration Seminar I
GDPT 6551	Research Project I
GDPT 6555	Management of Musculoskeletal Problems: Spine
GDPT 6659	Clinical Practicum I
GDPT 6660	Clinical Practicum II
GDPT 6661	Clinical Internship I (8 weeks)
GDPT 7008	Drugs and Physical Performance

Professional Year III

GDPT 7111	Motor Control Theory
GDPT 7131	Management of Neuromuscular Problems
GDPT 7134	Clinical Integration Seminar II
GDPT 7141	Neurological Clinical Medicine
GDPT 7142	Cardiopulmonary Medicine
GDPT 7151	Research Project II
GDPT 7231	Pediatric Problems
GDPT 7232	Geriatric Problems
GDPT 7233	Management of Cardiopulmonary Problems
GDPT 7234	Management of Complex Problems
GDPT 7251	Research Project III
GDPT 7359	Clinical Practicum III
GDPT 7360	Clinical Practicum IV
GDPT 7361	Clinical Internship II (4 weeks)

Professional Year IV

GDPT 7421	Health Care Organization and Administration (3 weeks)
GDPT 7461	Clinical Internship III (12 weeks)
GDPT 7521	Curriculum Integration Seminar (1 week)
GDPT 7561	Clinical Internship IV (16 weeks)

Course Descriptions

GMED 6001 Functional Human Anatomy

Basic functional human anatomy course with emphasis on skeletal, muscular, connective tissue and nervous systems. Information presented at the tissue, organ and system levels. Visualization of the human body is presented using both models and interactive computer software that present gross dissection, tissue samples and clinical imaging. Discussion of normal structure changes over the entire life span. 3 credits.

GMED 6002 Human Physiology

Analysis of the patterns of deviation from normal function and adaptive/restorative function available in the presence of disease or trauma primarily affecting the skeletal, connective tissue, muscular, integumentary and nervous systems. Information will be presented at the tissue, organ and system level. Discussion will address changes in response to disease or trauma over the entire lifespan. *4 credits.*

GMED 6004 Biomedical Ethics

A study of the application of human and professional values, judgment, and choices to selected ethical dilemmas that arise in healthcare practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision-making models. *3 credits.*

GMED 6005 Neuroscience

Structure, organization and function of the central nervous system. Emphasis on neuron functional organization, basic intercellular and neural communication mechanisms, motor, sensory and perceptual sub-systems, metabolic support, normal development and plasticity in response to functional and structural challenges. *4 credits.*

GDPT 6112 Surface Anatomy and Palpation

Visual and tactile examination of the living body addressing identification and location of clinically relevant hard and soft tissue structures. Discussion relates landmarks to location of deep structures and to changes in landmarks throughout the lifespan. *1 credit.*

GDPT 6122 Principles of Teaching and Learning

Analysis of basic concepts and principles underlying learning in the cognitive, psychomotor and affective domains. Application of models of learning to acquisition of motor skills in clinical practice and to instruction of peers. Analysis of the effects on learning of variation and interaction in teaching style, learning style and learning environments. *2 credits.*

GDPT 6123 Physical Therapy Roles in Health Care

Introduction to knowledge, skills and values underlying physical therapist roles within the healthcare system of the United States. Discussion of professional roles in relationship to clients and other providers, sources of information supporting clinical practice in physical therapy, and relationship of therapists to professional organizations. Introduction to regulatory mechanisms involving healthcare institutions and the practice of physical therapy. Introduction to mechanisms of communication and information documentation within the healthcare system. *2 credits.*

GDPT 6212 Kinesiology

Analysis of normal postures and movement patterns with changes over the lifespan. Integration of concepts of physics of motion, anatomy and physiology. Examination of movement patterns using clinical biomechanical technology. *3 credits.*

GDPT 6231 Exercise Physiology

Analysis of functional responses of the body to physical exercise stress with examination of the changes and adaptations to acute and chronic structural and functional abnormalities. Emphasis on

cardiovascular, pulmonary, muscular, metabolism (energy support and thermoregulation) and diurnal cycle function. Discussion of normal changes over the lifespan. *4 credits.*

GDPT 6233 Basic Physical Therapy Procedures

Skill acquisition in basic elements of patient service provision. Emphasis on basic physical handling skills, healthcare record information collection and documentation, general screening for all systems, elementary physical therapy evaluations and essentials of patient-practitioner interaction. *4 credits.*

GDPT 6311 Embryology and Genetics

Discussion of normal fetal development. Analysis of genetic, timing/sequencing, and environmental mechanisms, which control patterns of development. Discussion of potential for out-of-sequence modification of post-fetal structure and function through genetic manipulation. Introduction to major classes of developmental disorders. *2 credits.*

GDPT 6321 Psycho-Social Concepts in Healthcare Delivery

Analysis of factors which influence individual and group interactions and communication. Emphasis on the importance of age, gender, cultural/ethnic, and economic factors in framing provider-client, peer and employee interactions. Introduction to concepts of personnel management and legal regulation of personnel. *2 credits.*

GDPT 6431 Therapeutic Biophysics

Use of biophysical agents in the management of disorders affecting motor function. Emphasis on the use of components of the electromagnetic spectrum and physical handling to affect muscle activation, blood flow, thermoregulation and tissue repair. Skill acquisition in use of current biophysics technology and manual techniques. *3 credits.*

GDPT 6432 Life Span: Birth to Maturity

Analysis of the structural, physiological and social changes occurring between birth and maturity. Emphasis on relationship of these changes to development of normal motor function. *2 credits.*

GDPT 6433 Orthotics and Prosthetics/Functional Assistance

Description, prescription, training in the use of, and evaluation of prostheses, orthoses, wheelchairs and other assistive technology. *2 credits.*

GDPT 6441 Pharmacology

Survey of chemical and genetic agents used in medical and alternative healthcare management of disorders affecting motor function. Particular emphasis on interactions of chemical agents with each other and with various physiological states of the body. *2 credits.*

GDPT 6442 Orthopedic Clinical Medicine

Survey of major classes of problems or diagnoses involving neuro-muscular-skeletal-connective tissue systems. Presentation of patterns of practice in the specialty of orthopedic surgery. Use of clinical cases to present standard patterns of physician evaluation, diagnosis, intervention and communication/referral with other healthcare practitioners. *2 credits.*

GDPT 6443 Clinical Imaging

Survey of current technology used in structural and functional imaging of the body. Emphasis on imaging of musculo-skeletal-connective tissue, central neural tissues and peripheral vasculature. Discussion of interpretation, documentation and communication of clinical imaging information. *2 credits.*

GDPT 6451 Research Methods

Discussion of standard research methods used in clinical research in healthcare professions. Survey of current research issues in physical therapy practice. Students will select/develop a research problem for analysis. *4 credits.*

GDPT 6531 Life Span: Maturity and Aging

Analysis of the structural, physiological and social changes occurring during maturity and aging. Emphasis on relationship of these changes to changes and adaptations of normal motor function. Discussion of concepts of wellness and fitness in relationship to disability and normal aging. *2 credits.*

GDPT 6532 Therapeutic Exercise

Analysis of the use of passive and active exercise to address problems of joint mobility, connective tissue integrity and muscle strength. Skill acquisition in designing exercise intervention programs for well and ill clients. *3 credits.*

GDPT 6533 Management of Musculoskeletal Problems: Extremities

Analysis of mechanisms of motor dysfunction arising from peripheral musculo-skeletal-connective tissue disorders. Skill acquisition in basic and functional evaluation of the extremities. Skill acquisition in use of manual and technological methods of intervention to address peripheral problems. *4 credits.*

GDPT 6534 Clinical Integration Seminar I

Clinical problem-centered discussion providing integration of concepts of physical therapy management of musculoskeletal problems in the extremities incorporating biophysical agents, therapeutic exercise, manual therapy and exercise technology approaches. *1 credit.*

GDPT 6551 Research Project I

Submission and approval of a research project based on a review of literature. Students work in small groups with a faculty adviser. *2 credits.*

GDPT 6555 Management of Musculoskeletal Problems: Spine

Analysis of mechanisms of motor dysfunction arising from axial musculoskeletal-connective tissue disorders. Skill acquisition in basic and functional evaluation of the axial skeleton including the vertebrae, ribs and jaw. Skill acquisition in use of manual and technological methods of intervention to address spinal problems. *4 credits.*

GDPT 6659 Clinical Practicum I

The first of a four-part series of weekly clinical experiences. The student will have the opportunity to develop basic clinical skills in the area of orthopedic physical therapy. *1 credit.*

GDPT 6660 Clinical Practicum II

The second of a four-part series of weekly clinical experiences. The student will continue to develop clinical skills in an orthopedic setting. *1 credit.*

GDPT 6661 Clinical Internship I

Eight week, full-time clinical practice experience in a single selected clinical site. *2 credits.*

GDPT 7008 Drugs and Physical Performance

This course is designed to introduce the student who is interested in athletics to the use of performance-enhancing substances by athletes. The emphasis of this course will be to provide insight into how drugs, chemicals and hormones can affect body performance and to what extent such substances can adversely alter biological function(s). *2 credits*

GDPT 7111 Motor Control Theory

Analysis of current theories of motor control and motor learning in the areas of neuroscience, kinesiology and psychology with application to resolution of problems related to neuromuscular development and dysfunction. *3 credits.*

GDPT 7131 Management of Neuromuscular Problems

Analysis of mechanisms of motor dysfunction arising from neurological disorders. Skill acquisition in basic and functional evaluation of neurological disorders. Skill acquisition in use of manual and technological methods of intervention to address neuromuscular dysfunction. *6 credits.*

GDPT 7134 Clinical Integration Seminar II

Clinical problem centered discussion providing integration of concepts of physical therapy management of neuromuscular and axial musculoskeletal problems. *1 credit.*

GDPT 7141 Neurological Clinical Medicine

Survey of major classes of problems or diagnoses involving the peripheral and central nervous system. Presentation of patterns of practice in the specialties of neurology and neurosurgery. Use of clinical cases to present standard patterns of physician evaluation, diagnosis, intervention and communication/referral with other healthcare practitioners. *2 credits.*

GDPT 7142 Cardiopulmonary Medicine

Survey of major classes of problems or diagnoses involving cardiovascular and respiratory systems. Presentation of patterns of practice in the specialties of cardiology, cardiac surgery, internal medicine and thoracic surgery. Use of clinical cases to present standard patterns of physician evaluation, diagnosis, intervention and communication/referral with other healthcare practitioners. *2 credits.*

GDPT 7151 Research Project II

Data collection and analysis for research project. Students work in small groups with a faculty adviser. *2 credits.*

GDPT 7231 Pediatric Problems

Analysis of the developmental and social/economic factors unique to the existence of problems occurring from birth through adolescence. Development of integrated resource plans involving

physical therapy intervention, other healthcare provider intervention, and the financial resources of the health and social systems. *4 credits.*

GDPT 7232 Geriatric Problems

Analysis of the developmental and social/economic factors unique to the resolution of problems occurring in maturity and aging. Development of integrated resource plans involving physical therapy, other healthcare providers, and the financial resources of the health and social systems. *2 credits.*

GDPT 7233 Management of Cardiopulmonary Problems

Design of physical therapy intervention for management of cardiopulmonary insufficiency in either healthy or ill individuals. Discussion of fitness programs for able-bodied and disabled individuals. Discussion of management of surgical and cardiac intensive care problems. *3 credits.*

GDPT 7234 Management of Complex Problems

Design of physical therapy intervention for management of complex problems involving multiple systems including immune function, oncology, metabolic function, hormonal function, and integumentary, musculoskeletal and neural systems. Discussion of medical/health team management of complex problems in these categories. Discussion of critical multi-system problems not otherwise addressed in the physical therapy professional entry curriculum. *4 credits.*

GDPT 7251 Research Project III

Writing and oral presentation of project report. Students work in small groups with a faculty adviser. *2 credits.*

GDPT 7359 Clinical Practicum III

The third of a four-part series of weekly clinical experiences. The student will have the opportunity to develop and expand clinical skills in a variety of clinical settings. *1 credit*

GDPT 7360 Clinical Practicum IV

The last of four weekly clinical experiences. The student will continue to expand upon clinical skills in a variety of clinical settings. *1 credit*

GDPT 7361 Clinical Internship II

Supervised individual clinical practice: 40 hrs/week (eight weeks). *2 credits.*

GDPT 7421 Healthcare Organization and Administration

Analysis of the existing healthcare system and effects of changes in social structure on healthcare delivery. Discussion of methods of management of resources of funds, people, space and equipment in the current range of physical therapy practice settings. Three-week seminar course followed by an observation and report practicum in a practice setting. *3 credits.*

GDPT 7461 Clinical Internship III

Twelve-week, full-time clinical practice experience in one practice setting. *6 credits.*

GDPT 7521 Curriculum Integration Seminar

One week seminar addressing review and evaluation of the

curriculum, graduation activities, preparation for taking the state licensure examination, and first employment. *1 credit.*

GDPT 7561 Clinical Internship IV

Supervised individual clinical practice: 40 hrs/week (16 weeks). *8 credits.*

Post-Professional Doctor of Physical Therapy Program (PDPT)

The School of Graduate Medical Education at Seton Hall University offers the Post-Professional Doctorate of Physical Therapy Program. The Program is comprised of 36 graduate-level credits beyond a master's degree in physical therapy: 12 core credits, 15 specialization credits in pediatrics or orthopedics and 9 elective credits. The program also includes seminars designed to prepare clinicians for the APTA Specialist Certification Examination.

The mission of the Post-Professional Doctorate of Physical Therapy Program is to prepare physical therapists to meet the expanding roles of clinicians in today's dynamic healthcare environment. The curriculum is designed to advance practitioner's knowledge in the areas of clinical decision-making, assessment, intervention and clinical research as a foundation for promoting evidence-based practice. Practitioners completing the program will be ready to assume leadership roles in clinical practice and research.

The philosophy of the PDPT program is that the education of healthcare professionals is an ongoing process that must keep pace with the rapid advancements in science, research and technology.

Specialization in Orthopedics Track

This track will emphasize acquisition of advanced examination and treatment skills for the management of musculoskeletal disorders of the spine and extremities. The curriculum includes updated instruction in motor control, differential physical therapist diagnosis, pharmacology and clinical imaging to prepare the clinician for both collaborative and independent practice. Prominent throughout the coursework is utilization of evidence-based practice paradigms, including a mentored clinical research project. Individuals completing the track will be academically prepared to sit for the Orthopedic Certified Specialist (OCS) examination administered by the American Board of Physical Therapy Specialties of the American Physical Therapy Association.

Specialization in Pediatrics Track

This track is designed to advance the knowledge base and clinical decision-making skills that physical therapists need to provide children and their families with optimal care. The curriculum integrates current literature from the basic and movement sciences with theory and research on "best practice" to promote the practitioner's ability to incorporate scientific evidence into pediatric clinical practice. Students explore current approaches to assessment and intervention, models of service delivery, and the diverse roles of pediatric physical therapists in medical, community, and educational environments. Throughout the program, an emphasis is placed on promoting advanced clinical decision making utilizing evidence-based practice

paradigms. Students will develop and implement a clinical research project under the mentorship of an experienced faculty member. Individuals completing the program will be academically prepared to sit for the Pediatric Certified Specialists (PCS) examination administered by the American Board of Physical Therapy Specialties of the American Physical Therapy Association.

Program Format

To meet the needs of working clinicians' courses will be offered in the evenings, with occasional weekend courses. Many courses are web-enhanced, which allow students the flexibility of completing some coursework at a distance. Students will be assigned an academic adviser who will assist them in developing an individualized plan of study.

Program Goals

Upon completion of the PDPT, practitioners will:

- understand how models of clinical decision-making may be applied to physical therapy practice;
- identify assessment tools that are reliable and valid for evaluating individuals with diverse needs;
- plan and implement comprehensive intervention programs for management and prevention of neurological, musculoskeletal and cardiovascular impairments; and
- recognize the implications of clinical and basic research for evidence-based physical therapy practice.

Criteria for Admission

The following are prerequisites for admission to the program leading to a Doctor of Physical Therapy Degree:

- graduate from an accredited Physical Therapy Program;
- licensed to practice Physical Therapy;
- two letters of recommendation;
- statement of goals and career interest;
- completion of an application for admission along with official transcripts from all undergraduate and graduate study; and
- foreign students must submit TOEFL (test for English as a second language) score of at least 550.

Curriculum Requirements

The Post-Professional Doctor of Physical Therapy Program requires 36 credits beyond a Masters Degree in Physical Therapy: 12 core credits, 9 elective credits and 15 specialization credits. Requirements for students entering with a bachelor's degree or students transferring from other post-professional programs will be determined on an individual basis. Prospective students must be licensed to practice physical therapy.

Core Courses – 12 credits

required for all students

GPTP 7100	Methods of Studying Movement and Human Performance
GPTP 7501	Research Methods
GPTP 8113	Principles of Motor Control and Learning
GPTP 8502	Doctoral Research Project

Specialization Tracks (15 credits)

Required in either specialization track.

Orthopedic Track (15 credits)

GPTP 6441	Pharmacology
GPTP 6443	Basic Clinical Imaging
GPTP 6533	Advanced Examination and Treatment of the Extremities
GPTP 7555	Advanced Examination and Treatment of the Spine
GPTP 8307	Differential Diagnosis in Physical Therapy

Pediatric Track (12 credits plus minimum of 3 credits of special interest modules)

GPTP 8102	Movement Disorders in Pediatrics
GPTP 8104	Advanced Seminar in Pediatrics
GPTP 8105	Physical Therapy Practice in Diverse Environments
GPTP 8305	Pediatric Orthopedics

Special Interest Modules (1 credit each)

GPTP 7506	Scientific Writing
GPTP 8901	Administrative Principles and Management
GPTP 8902	Advanced Clinical Decision Making
GPTP 8903	Assistive Technology
GPTP 8904	Genetics and Embryology
GPTP 8905	Orthotics
GPTP 8906	Psychosocial Perspectives in Pediatrics
GPTP 8907	Wellness and Prevention

Elective Courses (9 credits)

available to both tracks

GPTP 6110	Health Services Issues and Trends
GPTP 6231	Exercise Physiology
GPTP 6307	Integrating Technology into Health Science
GPTP 6409	Styles of Teaching and Learning in Health Professions Education
GPTP 6441	Pharmacology*
GPTP 6442	Orthopedic Clinical Medicine
GPTP 6443	Basic Clinical Imaging*
GPTP 6721	Clinical Medicine I
GPTP 7110	Strategic Planning for Health Care and Health Professions Education
GPTP 7202	Issues in Motor Control: Reach and Manipulation
GPTP 7203	Issues in Motor Control: Lower Extremity Control and Gait
GPTP 7205	Issues in Motor Control: Postural Control and Balance
GPTP 7301	Investigatory Methods in Kinetics
GPTP 7305	Investigatory Methods in Biomechanics
GPTP 7306	Investigatory Methods in EMG
GPTP 7500	Statistics
GPTP 7506	Scientific Writing
GPTP 7603	Biomedical Ethics
GPTP 8106	Pediatric Assessment Tools
GPTP 8107	Clinical Certification Seminar in Pediatrics
GPTP 8301	Pediatric Orthopedics**
GPTP 8302	Anatomical and Clinical Considerations of the Upper Extremities

GPTP 8303	Anatomical and Clinical Considerations of the Lower Extremities
GPTP 8304	Anatomical and Clinical Considerations of the Spine
GPTP 8308	Clinical Certification Seminar in Orthopedics
GPTP 8309	McKenzie Approach to Treatment of the Spine
GPTP 8400	Government Regulation of Scientific Inquiry & Grantmanship
GPTP 8507	Clinical Practicum
PSMA 7512	Healthcare Policy
PSMA 7513	Healthcare Management

*Elective available to orthopedic track

**Elective available to pediatric track

For more information about the Post-Professional Doctorate in Physical Therapy Program at Seton Hall University visit the Web site: gradmeded.shu.edu/graduateprograms or call (973) 275-2051.

GPTP 6110 Health Services Issues and Trends

An analysis of selected professional and policy issues affecting the present and projected healthcare delivery system. Issues concerning health care personnel, patients, healthcare technology, organizational structures and facilities, finance mechanisms and the role of government are stressed in relation to how they influence healthcare services and delivery. *3 credits.*

GPTP 6231 Exercise Physiology

Analysis of functional responses of the body to physical exercise stress with examination of the changes and adaptations to acute and chronic structural and functional abnormalities. Emphasis on cardiovascular, pulmonary, muscular, metabolism (energy support and thermoregulation) and diurnal cycle function. Discussion of normal changes over the lifespan. *4 credits.*

GPTP 6307 Integrating Technology into Health Science

This course is designed for the healthcare professional/educator, and will expand one's capacity to integrate today's technology with teaching and learning strategies. An overview of the background on the technology's role in education as well as the issues concerning implementation will be explored. An interactive approach to understanding and utilizing various hardware and software products is provided. Topics: networks, the Internet, e-mail, advanced word processing, imaging, CD-ROM and related multimedia, and other applicable healthcare/research/education technologies. Students should be comfortable utilizing the computer, have access to the Internet and e-mail, and be available to access SHU computers outside of class hours. *3 credits.*

GPTP 6409 Styles of Teaching and Learning in Health Professions Education

Study of alternative relationships in the teaching-learning process. Course experiences will be guided by the "spectrum of teaching styles," a framework that delineates options in teaching and learning. Organizing students and subject matter; managing time, space, and equipment; interacting with students; choosing verbal behavior; and creating cognitive connections with learners. *3 credits.*

GPTP 6441 Pharmacology

Survey of chemical and genetic agents used in medical and alternative healthcare management of disorders affecting motor

function. Particular emphasis on interactions of chemical agents with each other and with other various physiological states of the body. *2 credits.*

GPTP 6442 Orthopedic Clinical Medicine

Survey of major classes of problems or diagnoses involving musculoskeletal-connective tissue systems. Presentation of patterns of practice in the specialty of orthopedic surgery. Use of clinical cases to present standard patterns of physician evaluation, diagnosis, intervention and communication/referral with other healthcare practitioners. *2 credits.*

GPTP 6443 Clinical Imaging

Survey of current technology used in structural and functional imaging of the body. Emphasis on imaging of musculoskeletal-connective tissue, central neural tissues and peripheral vasculature. Discussion of interpretation, documentation and communication of clinical imaging information. *2 credits.*

GPTP 6721 Clinical Medicine I

Study of selected systematic diseases, medical-surgical, and neurological conditions. Basic concepts of identification and management of these conditions in children and adults. Pathological processes, conditions and manifestation in relationship to their influences on the patient. Topics may include inflammation and repair, infections, AIDS, rheumatology, gastroenterology, oncology, cardiopulmonary, urology, immunology, pain and general surgery. *3 credits.*

GPTP 7100 Methods for Studying Movement and Human Performance

Introduces the student to the major clinical and research measurement tools used to describe and quantify movement and human performance. Students learn to evaluate the adequacy of these measurement tools through critical reading of the literature in the areas of standardized tests, movement-science measures and physiologic measures. *3 credits.*

GMP 7110 Strategic Planning for Health Care and Health Professions Education

This course focuses on methods related to strategic planning in healthcare institutions and health professions education programs. The methods include planning, implementing and evaluating clinical or educational outcomes. Students are exposed to healthcare program planning tools such as health informatics and the use of expert systems. *3 credits.*

GPTP 7202 Issues in Motor Control: Reaching and Manipulation

Designed to advance the practitioner's clinical skills and abilities in dealing with upper-extremity motor control issues. Examines the influence of conceptual frameworks for reaching, grasping and manipulating. *3 credits.*

GPTP 7203 Issues in Motor Control: Gait

Designed to advance the practitioner's clinical skills and abilities in dealing with lower extremity motor control issues. Examines the influence of conceptual frameworks for ambulation, theory technology, and normative data and current treatment paradigms in relation to several movement disorders. *3 credits.*

GPTP 7205 Issues in Motor Control: Balance

Designed to advance the practitioner's clinical skills and abilities in dealing with balance issues. Examines the influence of conceptual frameworks for balance theory and current treatment paradigms in relation to several movement disorders across the lifespan. *3 credits.*

GPTP 7301 Investigatory Methods in Kinetics

Goals of this course are to develop an understanding of the variety of methods of data collection, data processing and analysis used in human movement research. Students gain an understanding of the concepts and techniques required in analyzing human movement. Develops the skills necessary to choose practical research questions and analytical methods concerning human movements. *3 credits*

GPTP 7305 Investigatory Methods in Biomechanics

Goals of this course are to develop an understanding of the variety of methods of data collection, data processing and analysis used in human movement research. Students gain an understanding of the concepts and techniques required in analyzing human movement. Develops the skills necessary to choose practical research questions and analytical methods concerning human movements. Permission required. *3 credits.*

GPTP 7306 Investigatory Methods in Electromyography

Designed to provide students with knowledge of kinesiology EMG through a combination of data collection, analysis and interpretation, and discussion of relevant literature. Data acquisition and signal processing of various types of movements will allow the student to explore practical and theoretical issues affecting the interpretation of EMG. *3 credits.*

GPTP 7500 Statistics

Nature of statistics. Descriptive statistics, graphical models, measures of central tendency are variability. Probability, correlation and regression, sampling distributions. Inferential statistics, estimation and hypothesis testing, tests of independence and nonparametric statistics. SPSS Statistical Analysis package will be used throughout the course to facilitate coursework. *3 credits.*

GPTP 7501 Research Methods

Exploration of methods of research and communication of new information to and from the clinician. Systematic analysis of research problems, relationships between hypotheses and procedures and techniques for analyzing data and evaluating evidence. Review and critical evaluation of selected writings and research methods in the health professions. Students select and develop an approved research project. Prerequisite: Graduate level course in statistics. *3 credits.*

GPTP 7506 Scientific Writing

Students learn about the organization and composition of articles and different formats used for writing technical reports. *1 credit.*

PSMA 7512 Healthcare Policy

Current U.S. health policies and their implications with in-depth study of the policy process and analytical approaches to decision-making and special emphasis on the nature and role of health

care policy studies in decision-making. Examination of comparative international systems. *3 credits.*

PSMA 7513 Healthcare Management

The role of the contemporary healthcare manager with emphasis on identifying basic managerial skills and knowledge that contribute to effective healthcare management. Extensive use of case studies and supplemental readings. *3 credits.*

GPTP 7603 Biomedical Ethics

A study of the application of human and professional values, judgments and choices to selective ethical dilemmas that arise in practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision making models applicable to resolving professional dilemmas in the delivery of health care. *3 credits.*

GPTP 8102 Movement Disorders in Pediatrics

The course focuses on an in-depth analysis of pediatric assessment tools and treatment in the pediatric population. Specific purposes and application of assessment tools are discussed with reference to gross and fine motor skills. Related current treatment philosophies will also be explored. Literature review on current research findings appropriate to these topics will be incorporated in the discussions. *3 credits.*

GPTP 8104 Advanced Seminar in Pediatrics

This seminar is designed to advance practitioner's knowledge base in the area of motor development. Contemporary theories of motor control provide the framework for examining the development of sensory-perceptual systems, postural control and balance, locomotion and reach and manipulation from birth through adolescence. Current literature in the movement sciences provides the basis for an in-depth analysis of the factors underlying the development of functional motor skills. Implications of the literature for clinical practice are explored. *3 credits.*

GPTP 8105 Physical Therapy Practice in Diverse Environments

The role of the pediatric physical therapist in medical, educational, community and home environments is examined. Models of team interaction and service delivery are discussed. Students learn about the state and federal laws governing the provision of services in early intervention and school-based settings. *3 credits.*

GPTP 8106 Pediatric Assessment Tools

This course explores the tests, measures and tools used in pediatric practice. Students learn how to select one or more examination tools based on information obtained during initial data collection. Topics include: initial data collection; reliability and validity of assessment tools currently used in pediatric physical therapy practice; review of specific tests and measures; organizing, documenting and reporting evaluation findings. *1 credit.*

GPTP 8107 Clinical Certification Seminar in Pediatrics

A review course for preparation of candidates for the Pediatrics Certified Specialist (PCS) examination, administered by the Board of Specialties of the American Physical Therapy Association. APTA materials will be reviewed, as well as practice scenarios and examination strategies discussed. *1 credit.*

GPTP 8113 Principals of Motor Control and Learning

This course will contain three major topics. The first topic will explore the historical and current theories of motor control. Topics related to the control processes and mechanisms of skilled movement will be addressed. The students will be introduced to the techniques currently available to measure the kinetics and the outcomes of movement. In the second topic, students will learn about the variables that are most important for the learning of new movement behaviors. The third topic will explore issues related to the recovery of motor function such as neural plasticity, cortical reorganization and motor learning following brain damage. *3 credits.*

GPTP 8301 Pediatric Orthopedics

This seminar encompasses an in-depth review of normal musculoskeletal development from infancy to late adolescence and the common mechanisms of injury, overuse and dysfunction. Select health and wellness topics, as well as medical and surgical procedures will be discussed with an emphasis on the application of various fitness and rehabilitation approaches. *3 credits.*

GPTP 8302 Anatomical and Clinical Considerations: Upper Extremities

This course includes both lecture and computer-assisted seminar sessions. The composition and response of histological structures of the upper extremities are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach of the clinical anatomy will be provided including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GPTP 8303 Anatomical and Clinical Considerations: Lower Extremities

This course includes both lecture and computer-assisted seminar sessions. The composition and response of histological structures of the lower extremities are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach of the clinical anatomy will be provided including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GPTP 8304 Anatomical and Clinical Considerations of the Spine

This course includes both lecture and computer-assisted seminar sessions. The composition and response of histological structures of the spine region are reviewed and analyzed in terms of patterns of use, forces, aging and clinical rehabilitation approaches. A regional approach of the clinical anatomy will be provided including surgical and anatomical terms, structures and relationships, and dysfunction. *3 credits.*

GPTP 8305 Advanced Examination and Treatment of the Extremities

Analysis of mechanisms of motor dysfunction arising from musculoskeletal-connective tissue disorders. Skill acquisition in functional and advanced evaluation and treatment techniques for the extremities. Skill acquisition includes manual therapy and technological methods of intervention with evidence-based focus. *3 credits.*

GPTP 8306 Advanced Examination and Treatment of the Spine

Analysis of mechanisms of motor dysfunction arising from axial musculoskeletal-connective tissue disorders. Skill acquisition in functional and advanced evaluation and treatment techniques for the axial skeleton, including vertebrae, ribs and jaw. Skill acquisition includes manual therapy, including high velocity thrust techniques, and technological methods of intervention to address spinal problems, with evidence-based focus. *3 credits.*

GPTP 8307 Differential Diagnosis in Physical Therapy

Systems review and acquisition of examination skills for screening of medical conditions to differentiate physical therapist diagnosis and for appropriate referral, when indicated. Skill acquisition in effective screening for those patients afforded direct access to physical therapy care. *3 credits.*

GPTP 8308 Clinical Certification Seminar in Orthopedics

A review course for preparation of candidates for the Orthopedic Certified Specialist (OCS) examination, administered by the Board of Specialties of the American Physical Therapy Association. APTA materials will be reviewed, as well as practice scenarios and examination strategies discussed. *1 credit.*

GPTP 8309 McKenzie Approach to Treatment of the Spine

Overview of examination and treatment techniques for the spine, as described by Robin McKenzie. Skill acquisition will include management of cervical, thoracic and lumbar disorders, combined with latest evidence-based research in these areas. *3 credits.*

GPTP 8400 Government Regulation of Scientific Inquiry and Grantsmanship

This course provides students with an overview of grant funding agencies, setting funding policies, mechanisms for establishing grants, writing grants, evaluating grants, implementing and complying with granting agencies' guidelines. Students are expected to identify a funding opportunity and write a grant to the funding agency. *3 credits.*

GPTP 8502 Doctoral Research Project II

Seminar for graduate students for the purpose of completing an approved project culminating in the submission of the project for presentation to the professional community. *3 credits.*

GPTP 8507 Clinical Practicum

Provides students the opportunity to integrate the goals of the program in a practical situation through the application of clinical or educational principles in a healthcare organization or institution of higher learning. *2 credits.*

GPTP 8901 Administrative Principles and Management

Students learn about establishing a pediatric private practice. Topics include legal and ethical issues, types of business models, marketing strategies and portfolio development. *1 credit.*

GPTP 8902 Advanced Clinical Decision Making

Decision-making theory is reviewed including specific models currently used in clinical decision-making. Students learn how the *Guide to Physical Therapists Practice* and the Hypothesis Oriented

Algorithm for Clinicians (HOAC) may be used by the pediatric physical therapist to systematically guide evaluation and intervention. *1 credit.*

GPTP 8903 Assistive Technology

Students learn about advances in seating, mobility, alternative communication and environmental controls. The role of the physical therapist as a member of an assistive technology team is examined. *1 credit.*

GPTP 8904 Genetics and Embryology

Discussion of normal fetal development. Analysis of genetic, timing/sequencing and environmental mechanisms that control patterns of development. Discussion of potential for out-of-sequence modification of post-fetal structure and function through genetic manipulation. Introduction to major classes of developmental disorders. *2 credits.*

GPTP 8905 Orthotics

Students learn about the principles underlying orthotic management for children with musculoskeletal and neuromotor disorders. Topics include a review of the evidence supporting the use and effectiveness of orthotics, orthotic prescription and developing an intervention plan that includes orthotics. *1 credit.*

GPTP 8906 Psychosocial Perspectives in Pediatrics

Students examine the contribution of social-emotional factors to child development. Topics include, typical and atypical social-emotional development, parent-child interaction and behavioral intervention strategies. *1 credit.*

GPTP 8907 Wellness and Prevention

Students learn about health-related fitness for children with disabilities and how to integrate prevention and wellness strategies into intervention. Topics include the methods used to assess and maximize fitness in the areas of cardiovascular/respiratory endurance, flexibility, strength and body composition. *1 credit.*

M.S. in Occupational Therapy: Professional Program

The Master of Science in Occupational Therapy (M.S.O.T.) professional program is designed to develop healthcare practitioners who:

- provide a broad range of patient care services to serve persons of all ages within the scope of occupation based treatment addressing self-maintenance, work and play/leisure performance areas;
- critically analyze and convey information to patients, colleagues and other healthcare professionals;
- practice in collaboration with other healthcare professionals in a variety of settings; and
- perform occupational therapy roles in health and wellness, consultation, education, research and administration.

This 84-credit, three-year program, inclusive of fieldwork training, contains courses specific to occupational therapy practice that are intended to provide students with the theoretical knowledge and technical skills necessary to perform as entry-level practitioners in addition to enabling them to grow and adapt to the rapid changes in the profession and healthcare delivery

system. All students must complete Level II fieldwork within 24 months following completion of academic preparation.

The occupational therapy program is accredited by the Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association (AOTA) located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTA'S phone number is (301) 652-AOTA.

Graduates of the program will be eligible to take the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this examination, the individual will be an Occupational Therapist, Registered (OTR). Most states require licensure to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. A felony conviction may affect a graduate's ability to sit for the NBCOT certification or attain state licensure.

Admission

Admission to the program is open to individuals who:

- possess a baccalaureate degree from an accredited institution; and
- have completed the following courses with a grade of "C" or better:

Course	Credits
Anatomy and Physiology	8
Communication	3
English	3
Statistics	3
Sociology	3
General Psychology	3
Abnormal Psychology	3
Developmental Psychology	3

Anatomy and Physiology must include a laboratory. Students with incomplete prerequisites may apply; however, they must state how they will satisfy the prerequisites prior to the start of the program. All prerequisite courses must be completed within 10 years of the application date.

All applicants are required to perform a minimum of 50 hours of volunteer work with an occupational therapist (OTR). One letter of recommendation must be based on this volunteer experience and be from this occupational therapist.

The Committee on Admissions will determine candidates' eligibility upon review of the following: GPA; Graduate Record Examination (GRE) scores; non-quantifiable items, including letters of recommendation, occupational therapy volunteer experiences, employment experiences, healthcare experiences, professional and community activities.

Information regarding the application deadline may be obtained from the School of Graduate Medical Education, (973) 761-7145.

Curriculum Requirements

Professional Year I

GMOT 6110	Functional Human Anatomy
GMOT 6120	Human Physiology
GMOT 6130	Kinesiology
GMOT 6140	Neuroscience
GMOT 6210	Clinical Medicine in OT I
GMOT 6310	Introduction to Principles of Learning
GMOT 6320	Development Across the Life Span I

GMOT 6330	Development Across the Life Span II
GMOT 6410	Introduction to OT Theory and Practice I
GMOT 6420	OT Theory and Practice II
GMOT 6510	Psychosocial Studies and Group Process in OT
GMOT 6521	Rehabilitation in OT I
GMOT 7110	Clinical Integration Seminar I
GMOT 7210	Ethical and Legal Issues in OT

Professional Year II

GMOT 6220	Clinical Medicine in OT II
GMOT 6231	Selected Topics in Occupational Therapy
GMOT 6430	OT Theory and Practice III
GMOT 6531	Rehabilitation in OT II
GMOT 6540	Pediatrics in OT
GMOT 6550	Geriatrics in OT
GMOT 7013	Clinical Affiliation I
GMOT 7120	Clinical Integration Seminar II
GMOT 7130	Clinical Integration Seminar III
GMOT 7220	Healthcare Organizations
GMOT 7310	Research Methods I

Professional Year III

GMOT 7023	Clinical Affiliation II
GMOT 7033	Clinical Affiliation III
GMOT 7230	Consultation, Community, and Alternative Models
GMOT 7320	Research Methods II
GMOT 751x	Seminars in Advanced Theory and Practice in OT
GMOT 7520	Activity Group Process
GMOT 7530	Advanced Concepts in Adapting Environments

M.S. in Occupational Therapy: Post-Professional Program

The Master of Science in Occupational Therapy (MSOT) post-professional program is designed to meet the needs of occupational therapists who:

- seek enhanced levels of graduate education to meet the needs of clinics and educational institutions; and
- seek enhanced skill in management, research, and areas related to practice.

This 33-credit, part-time program contains courses specific to occupational therapy practice, combining theoretical and technical skills in applications relevant to clinicians' needs. The program is designed to be flexible and prepare therapists for leadership roles in the profession.

Admission

Admission to the program is limited to individuals who:

- hold baccalaureate degrees or certificates in occupational therapy from accredited programs; and
- are certified as occupational therapists by the National Board for Certification of Occupational Therapy and are eligible for licensure.

Curriculum Requirements (33 credits)

GMOT 7210	Ethical and Legal Issues in OT
GMOT 7220	Healthcare Organizations
GMOT 7230	Consultation, Community & Alternative Models

GMOT 7310	Research Methods I
GMOT 7320	Research Methods II
GMOT 7330	Research Practicum
GMOT 7410	Advanced Clinical Reasoning
GMOT 7420	OT Theory and Practice
GMOT 751x	Seminars in Advanced Theory & Practice in OT
GMOT 7530	Advanced Concepts in Adapting Environments
	Elective (3 credits)

Course Descriptions

GMOT 6110 Functional Human Anatomy

Basic functional human anatomy course with emphasis on skeletal, muscular, connective tissue and nervous systems. Information presented at the tissue, organ and system levels. Visualization of the human body is presented using both models and interactive computer software that present gross dissection, tissue samples and clinical imaging. Discussion of normal structure changes over the entire life span. *3 credits.*

GMOT 6120 Human Physiology

Provides instruction in the contribution of the various organs and organ systems to the overall homeostasis of the human body. Addresses the levels of functional physiological organization that may be disrupted by disease or trauma. For OT students. *4 credits.*

GMOT 6130 Kinesiology

Presents the application of physics, anatomy, and physiology to the understanding of human movement. Emphasis on the study of development and function of bone, muscle and ligaments in contributing to normal motion. Attention is paid to synovial joints as key linkage in the human mechanical system. Laboratory component reviews the theory and application of goniometry, manual muscle testing and physical evaluation. *3 credits.*

GMOT 6140 Neuroscience

Structure, organization and function of the central nervous system. Emphasis on neuron functional organization, basic intercellular and neural communication mechanisms, motor, sensory and perceptual sub-systems, metabolic support, normal development and plasticity in response to functional and structural challenges. *4 credits.*

GMOT 6210 Clinical Medicine in OT I

Explores alterations in body function and system or organ failure that can occur as the result of disease or illness. Concepts of identification, manifestation and treatment conditions, including impact on function. Topics to include cell injury and neoplasia, inflammation and repair, infectious disease, alterations in respiratory, cardiac, neuromuscular and skeletal systems, and developmental aspects of altered health. The language of medicine is integrated throughout the course. *3 credits.*

GMOT 6220 Clinical Medicine in OT II

Builds upon Clinical Medicine I with advanced study of pathological conditions involving neuromuscular and skeletal systems. Other topics include alterations in gastrointestinal, renal, genitourinary and endocrine function. Students identify clinical problems and analyze impact on functional performance. The language of medicine is integrated throughout the course. *3 credits.*

GMOT 6231 Selected Topics in Occupational Therapy

Selected topics in occupational therapy will vary according to current professional needs. *2 credits.*

GMOT 6310 Introduction to Principles of Learning

Explores models of general, cognitive, adult and motor learning theory as they relate to performance and skill acquisition. Explores principles of learning as they pertain to task analysis, the learner and the learning environments. Students observe and practice task learning principles with normal individuals. *2 credits.*

GMOT 6320 Development Across the Life Span I

Explores factors known to affect development across the life span as they relate to the practice of OT. Focus is on typical development from the fetal period through middle childhood. Developmental performances and role acquisition are emphasized. Exploration of assessment and observation skills with typical children. *2 credits.*

GMOT 6330 Development Across the Life Span II

Explores factors known to affect development across the life span, with emphasis on evolving and changing occupational roles. Changes in behavior will be explored from the adolescent years through the adult years. Emphasis to be placed on psychosocial issues throughout adulthood and the physiological changes of development and aging. *2 credits.*

GMOT 6410 Introduction to OT Theory and Practice I

Introduces the profession of occupational therapy including the history, philosophy, theoretical foundations and principles of occupation. Explores the scope of practice including the range of disabilities served and assessment and treatment strategies. Explores professional issues of patient care, code of ethics, professional relationships and professional organizations. Laboratory component addresses the basic skills of health care and engagement in occupations through activities. Level I Fieldwork provides opportunities in a variety of clinical learning experiences. *5 credits.*

GMOT 6420 OT Theory and Practice II

Continuation of the study of OT Theory and Practice I with further examination of the OT process and the theoretical models of OT. Discussion of the application of occupational therapy models over a spectrum of ages and disabilities. Students will analyze the current state of theoretical models and the need for further research. Laboratory activities will focus on occupational analysis and synthesis, activity skill building, home making and activities of daily living. *3 credits.*

GMOT 6430 OT Theory and Practice III

Continuation of OT Theory and Practice with emphasis on advanced and integrated concepts of provision of OT services. Emphasis is placed on professional occupational therapy roles within health care so to impact health care at both the individual client and organizational health systems level. Discussion, student presentations and critical analysis of relevant literature. Laboratory activities in work related practice and activity analysis and synthesis. *3 credits.*

GMOT 6510 Psychosocial Studies and Group Process in OT

Reviews psychosocial theories of human behavior, psychosocial adjustment to disability and psychiatric conditions. Explores current ethical and social conditions regarding mental illness. Exploration of psychosocial models of practice, assessment, and treatment strategies for practice. Laboratory component integrates the application of activity group process into OT theory and practice. Level I Fieldwork provides students with opportunities in a variety of clinical learning experiences. *4 credits.*

GMOT 6521 Rehabilitation in OT I

Presents integrated knowledge base to address patient problems resulting from somatic conditions. Various models of practice will address evaluative procedures, intervention techniques and adaptation. Issues relative to physical disability, discharge planning, long-term care and the role of the occupational therapist as a rehabilitation service provider. Level I Fieldwork provides opportunities in a variety of clinical learning experiences. *3 credits.*

GMOT 6531 Rehabilitation in OT II

Integration of clinical experience, prior knowledge and basic rehabilitative principles will be used to address the specific needs associated with a variety of diagnosis related-groups. Specific techniques in splinting, central nervous dysfunction treatment and other debilitating conditions will be explored. Return to community, school and/or workplace with issues of accessibility, adaptation and prevention will be addressed. *3 credits.*

GMOT 6540 Pediatrics in OT

Models of practice and therapeutic approaches in the evaluation and treatment of the pediatric population. Emphasis on integrating and synthesizing information from observing and evaluating children's performance with implementation of a treatment strategy. Development of a theoretical model for evaluation and treatment based upon sensory motor development, neurophysiology, motor control and motor learning, cognitive development, psychological development, interpersonal skill development, care needs, play skills and educational demands. Emphasis placed on problem solving. Level I Fieldwork provides students with opportunities in a variety of clinical learning experiences. *3 credits.*

GMOT 6550 Geriatrics in OT

Assessment, goal setting and treatment program design for the geriatric patient. Concepts of physiological changes associated with aging, disease, impairment and disability serve as a framework for evaluation and treatment skills using task analysis. Assessment and evaluation tools as well as treatment techniques for older persons in various community and institutional settings. Long term care and housing options, with home adaptations. *2 credits.*

GMOT 7013 Clinical Affiliation I

Phase I Experience: Three month full-time supervised clinical experience emphasizing learning the basic standards of occupational therapy intervention. This fieldwork presents the opportunity for the student to plan, implement and evaluate treatment for the client. Experiences may be provided in agencies determined to be able to educate and supervise the beginning level student. *3 credits.*

GMOT 7023 Clinical Affiliation II

Phase II Experience: three month, full-time supervised clinical experience with opportunity to plan, implement and evaluate treatment for all disability types across the lifespan. Experiences may be provided in acute care or rehabilitation settings, working with individuals who have physical and/or psychosocial dysfunction. Learning expectations for students include mastery of direct care service delivery at the beginning therapist level. *3 credits.*

GMOT 7032/GMOT 7033 Clinical Affiliation III

Phase III Experience: two or three month full-time supervised clinical experience with opportunity to plan, implement and evaluate treatment for pediatric or adult clients in a specialty area selected by the student in consultation with the clinical fieldwork coordinator. Experiences may be provided in settings, but not limited to, psychosocial, geriatrics, hand rehabilitation, pediatrics and/or school based programs, research, community organizations and governmental/professional organizations. *2-3 credits.*

GMOT 7110, 7120, 7130 Clinical Integration Seminar I-III

Problem based tutorials in small groups and as individuals to identify knowledge and to examine issues of problems typical of professional practice. Examination of problems with identification of relevant OT treatment, reimbursement and psychosocial determinants of health. Emphasis on collection and synthesis of information necessary for the solution of complex problems. *1 credit each.*

GMOT 7210 Ethical and Legal Issues in OT

Conceptual/moral reasoning and interactional ability with ethical and professional issues in daily practice. The moral aspects of health care as well as an introduction to legal topics including consent laws, statutory and practice laws, negligence and malpractice as well as communication and teaching and learning. *2 credits.*

GMOT 7220 Healthcare Organizations

Understanding of the current healthcare environment including the organizational structure of various healthcare models as well as the financial aspects of the healthcare system. Discusses potential changes in the healthcare environment and their possible influences on the practice of OT. *2 credits.*

GMOT 7230 Consultation, Community and Alternative Models

Practice of OT in nontraditional and community-based settings. Emphasis on alternative models of delivery, including consultation and program development. Roles of OT in industry, private practice, prevention programs and emerging areas of practice. Skills and issues related to effective and ethical practice are addressed. *2 credits.*

GMOT 7310 Research Methods I

Fundamentals of research methods and communication of new information for the research consumer and the researcher. Introduction to format for research proposals, publications and presentations. Methodology, design, instrumentation, literature review, ethics and funding covered through discussion and example. Presentation and review of research articles. *2 credits.*

GMOT 7320 Research Methods II

Experience in the development of a research proposal, data collection and analysis of results through small research groups with a project adviser. Research process will culminate in the oral presentation of the project to peers, faculty and clinicians. *3 credits.*

GMOT 7330 Research Practicum

Students will engage in independent or collaborative research projects, collect and analyze data, and complete a publishable research report. *4 credits.*

GMOT 7410 Advanced Clinical Reasoning

Advanced application of clinical reasoning to selected areas of practice. Students will integrate theory and practice, allowing the student to plan, implement and evaluate treatment for the client with direction from supervising faculty. *4 credits.*

GMOT 7420 OT Theory and Practice

Advanced examination of the OT process and the theoretical models of OT. Application of models of practice over a spectrum of ages and areas of practice. Students will analyze in depth the current state of theoretical models and the need for further research. *3 credits.*

GMOT 751x Seminars in Advanced Theory and Practice in OT

Small group discussion on variable topics that explore the diverse dimensions of OT practice and issues. Integration of OT theory and practice with laboratory and advanced clinical experiences. Level I Fieldwork provides students with advanced learning opportunities in a variety of clinical learning experiences. *3 credits.*

GMOT 7520 Activity Group Process

Advanced study of activity groups and group process. Reviews concepts and theories of group formation, development, structure and leadership practiced as they apply to adults and children. Development of group protocols and management of groups. Emphasis placed on group process in professional activities such as clinical, consultation and research teams. Integrates current research on the use of activity groups and group process. Integrated lecture and laboratory learning. *3 credits.*

GMOT 7530 Advanced Concepts in Adapting Environments

Presents adaptation of physical, emotional, social and cultural environment to promote patient/client success. Consideration of all external barriers that impede successful functioning. Development of specialized equipment and methods of adapting equipment and physical space. Environmental adaptations including time, space and technical aspects that promote optimal functioning. Lecture, discussion, laboratory and field experiences are included. *3 credits.*

Faculty from the Department of Occupational Therapy supports the Occupational Technology specialization track within the Ph.D. in Health Sciences program. Core courses in the Ph.D. in Health Sciences program are taught by the faculty throughout the School of Graduate Medical Education. Further information about the Occupational Technology Specialization can be found at the following sites: gradmeded.shu.edu/graduateprograms/phdhs.html and gradmeded.shu.edu/occtech

M.S. in Speech-Language Pathology

The Master of Science in Speech-Language Pathology program prepares speech-language practitioners with in-depth knowledge and judgment to advance the art and science of their discipline. The program further prepares graduates to critically analyze and convey information to patients, colleagues and other professionals. It is also comprised of advanced/specialized curricular tracks in neurologically based communication disorders in adults and speech and language disorders in the infant-toddler, preschool and school-age populations.

The mission of the speech-language pathology program is to prepare clinicians to provide the highest quality of service to children and adults with speech and language disorders. This intensive 65-credit, six-semester program includes academic courses and clinical practica in speech-language pathology. This program is intended to provide students with the necessary skills to perform as entry-level practitioners, and to enable them to grow and adapt to the rapid changes in the profession and the healthcare service delivery system.

Accreditation

The Master of Science in Speech-Language Pathology was accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA) on May 1, 2001.

In order for individuals to be eligible to apply for national certification with ASHA, students must initiate and complete coursework and clinical practicum at a CAA-accredited institution.

Admission

Admission to the program is open to individuals who possess a baccalaureate degree in speech-language pathology, speech and hearing sciences, or communication disorders from an accredited institution. Applications from students with baccalaureate degrees from other disciplines will be considered but students may be required to complete the prerequisites. An overall cumulative GPA of no less than 3.0 on a four-point scale also is required for regular admission. Completion of the following prerequisite courses with a grade of "B" or better is required:

Course	Credits
Anatomy and Physiology	3-6
English	3
Psychology	6
Mathematics	3
Sociology	3
Statistics	3
Biology/Physics/Chemistry	3-6

Anatomy and Physiology must include a laboratory.

The Committee on Admissions determines candidates' eligibility upon review of GPA; Graduate Record Examination (GRE) scores within the past five years; and nonquantifiable items, including three letters of recommendation and documentation of clinical experience (observation and undergraduate clinical practicum).

Information regarding the application process may be obtained from the School of Graduate Medical Education at (973) 275-2825.

Curriculum Requirements

Professional Year I

		Credits
GMSL 6015	Neuromotor Disorders of Communication	3
GMSL 6140	Neuroscience	3
GMSL 6517	Speech and Hearing Science/ Instrumentation	3
GMSL 6519	Phonological Disorders	3
GMSL 6520	Counseling Techniques in Speech-Language Pathology	3
GMSL 6521	Dysphagia	3
GMSL 6526	Audiology for SLP	2
GMSL 6527	Language Development & Disorders	3
GMSL 7022	Clinical Practicum/Clinical Seminar	1
GMSL 7023	Clinical Practicum/Clinical Seminar	1
GMSL 7503	Scientific & Professional Writing	3

Professional Year II

GMSL 6016	Speech-Language Pathology in Public Schools	3
GMSL 6518	Acquired Disorders of Language & Cognition	3
GMSL 6522	Early Intervention	3
GMSL 6523	Fluency Disorders	2
GMSL 6524	Augmentative & Alternative Communication	3
GMSL 6525	Voice Disorders	3
GMSL 6528	Topics in Speech Language Pathology	3
GMSL 7010	Traumatic Brain Injury	3
GMSL 7012	Aural Rehabilitation	3
GMSL 7013	Craniofacial Disorders	3
GMSL 7024	Clinical Practicum/Clinical Seminar	1
GMSL 7025	Clinical Practicum/Clinical Seminar	1
GMSL 7026	Clinical Practicum/Clinical Seminar	1
GMSL 7303	Biomedical Ethics	2
GMSL 7501	Research Methods	3

Course Descriptions

**Courses may only be taken by students formally admitted to the program.*

GMSL 6015 Neuromotor Disorders of Communication

Intensive review of neuroanatomy and physiology of sensorimotor systems, nature of neuromuscular pathologies; methods of assessment and rehabilitation of neuromotor disorders of speech production in pediatric and adult populations. *3 credits.*

GMSL 6016 Speech-Language Pathology in the Public School Setting

Speech and language program development; clinical problems in the public school setting including language-based learning disorders, the relationship between oral and written language problems; administrative issues; and the changing role of the school-based speech-language pathologist. *3 credits.*

GMSL 6140 Neuroscience

Structure, organization and function of the central nervous system. Emphasis on neuron functional organization, basic intercellular and neural communication mechanisms, motor, sensory and perceptual sub-systems, metabolic support, normal development and plasticity in response to functional and structural challenges. *3 credits.*

GMSL 6517 Speech Science/Instrumentation

Advanced study of contemporary concepts and theories related to speech production and the anatomical and physiological aspects of speech motor production. Principles and use of clinical and research instrumentation in speech pathology. *3 credits.*

GMSL 6518 Acquired Disorders of Language and Cognition

Advanced study of the neuropsychology of communication; nature of acquired neuropathologies affecting central processes of language and cognition; methods of assessment and rehabilitation of acquired cognitive/linguistic disorders in pediatric and adult populations. *3 credits.*

GMSL 6519 Phonological Disorders

Advanced study of the historical perspectives, current theories and research related to the etiology, evaluation and treatment of articulatory and phonological disorders in the pediatric population. *3 credits.*

GMSL 6520 Counseling Techniques in Speech-Language Pathology and Audiology

Intensive study of counseling the communicatively-impaired and their families. Specific topics include theories and styles of counseling and interviewing techniques. *3 credits.*

GMSL 6521 Dysphagia

Advanced study of the role of the speech-language pathologist in the interdisciplinary management of major medical pathologies including the evaluation and treatment of swallowing disorders. *3 credits.*

GMSL 6522 Early Intervention

Intensive study of language impairment in the infant-toddler population. Specific topics include federal and state mandates for service provision to infants and toddlers, transdisciplinary assessment and intervention models, prematurity and developmental delay. *3 credits.*

GMSL 6523 Fluency Disorders

Advanced study of the nature and etiology of stuttering and other fluency disorders. Methodologies of assessment and intervention for pediatric and adult populations are emphasized. *3 credits.*

GMSL 6524 Augmentative and Alternative Communication

Intensive study of the interdisciplinary approach to augmentative and alternative communication. Areas of emphasis include the team approach to designing appropriate treatment plans, neuro-motor management, environmental control, computer access and funding support. *3 credits.*

GMSL 6525 Voice Disorders

Intensive review of the anatomy and physiology of the vocal mechanism and phonatory process; consideration of the influence of pathology on phonation is described. Advanced study of special voice problems and those commonly encountered in clinical practice. *3 credits.*

GMSL 6526 Audiology for Speech-Language Pathology

Audiologic testing, screening, and interpretation. Course also includes normal and abnormal hearing processes. *2 credits.*

GMSL 6527 Language Development and Disorder

Advanced study of the principles and processes of first language acquisition as it relates to social and cognitive development. Emphasis is also placed on the syntactic, semantic and pragmatic aspects of language behavior. *3 credits.*

GMSL 6528 Topics in Speech-Language Pathology

Contemporary topics in the field of speech-language pathology: changing healthcare practices and the provision of speech-language services. *3 credits.*

GMSL 7010 Traumatic Brain Injury

Communication consequences of traumatic brain injury with special reference to the evaluation and management of pediatric and adult cases. *3 credits.*

GMSL 7012 Aural Rehabilitation

Communication assessment and management of children and adults with hearing loss. Specific content areas emphasized include individualized rehabilitation plans, family education, collaborative team models, assessment and intervention. *3 credits.*

GMSL 7013 Craniofacial Disorders

Intensive study of the evaluation and treatment of speech and language problems associated with cleft palate and other structural differences including dental occlusal hazards. *3 credits.*

GMSL 7022-7026 Clinical Practicum

Supervised clinical practicum; permission of department chair required. *1 credit each.*

GMSL 7303 Biomedical Ethics

A study of the application of human and professional values, judgment, and choices to selected ethical dilemmas that arise in health care practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision-making models. *2 credits.*

GMSL 7501 Research Methods

Provides students with a working knowledge of the research process, including formulation of a research question, measurement and various statistical procedures of data analysis. *3 credits.*

GMSL 7503 Scientific and Professional Writing

Provides an in-depth analysis of the organization and composition of articles, analyses and reviews according to formats prescribed by academic, legal and other professions. Approaches to the writing of technical, research, and clinical reports that contribute to and document the evolution and expansion of the scientific and professional body of knowledge in the health sciences are highlighted. *3 credits.*

M.S. in Athletic Training

The Master of Science in Athletic Training (M.S.A.T.) program is based on the premise that there is a need to prepare healthcare practitioners with a depth of knowledge and judgement to advance the art and science of their discipline's body of knowledge. The program is intended to prepare graduates to critically analyze and convey information to patients, colleagues and other health professionals. These practitioners will be able to provide a broad range of patient care services and perform research and administrative responsibilities. The athletic trainer, with the consultation and supervision of attending and/or consulting physicians, is an integral part of the healthcare system associated with sport. The American Medical Association recognizes athletic training as an allied health profession. Through extensive preparation in both academic and practical experience, the athletic trainer provides a variety of services including prevention, recognition, immediate care and rehabilitation of athletic trauma. The athletic trainer functions as an integral member of the sport medicine team in a variety of healthcare settings, including secondary schools, colleges and universities, sport medicine clinics, professional sport programs, industrial settings and other healthcare settings.

The mission of the M.S.A.T. program is to prepare clinicians who will provide the highest quality of care to athletes. The curriculum consists of 74 credits completed over six semesters. The overall goal of the Athletic Training curriculum is to prepare graduates to apply a wide variety of specific healthcare skills and knowledge within each of the following domains: prevention, recognition and evaluation, acute care and disposition, rehabilitation, healthcare administration, education and counseling, and research. To achieve this goal, a comprehensive curriculum has been designed to integrate formal classroom instruction and clinical education experience some of which will be off-campus. Additionally, Seton Hall's athletic training program prepares students for successful completion of the National Athletic Trainers' Association Board of Certification Examination (NATABOC).

Accreditation

Seton Hall University's athletic training program has obtained candidacy status from the Joint Review Committee on Educational Programs in Athletic Training (JRC-AT). This is the initial phase of accreditation with the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Admission

Admission to the program is open to individuals who:

- possess a baccalaureate degree from an accredited institution; and
- have an overall GPA of no less than 2.8 on a 4.0 scale; and
- have completed the following pre-requisite courses with a GPA of 2.8 or better:

- Anatomy and Physiology (8 credits)
- Biology (4 credits)
- Physics (4 credits)
- College Math (3 credits)
- English (3 credits)
- Psychology (3 credits)
- Sociology (3 credits)

Anatomy and physiology must include a laboratory. Students with incomplete prerequisites may apply. However, they must

state how they will satisfy the prerequisites by the end of the Spring Semester prior to the start of the program.

All applicants are required to complete a minimum of 50 hours of clinical observation with a certified athletic trainer. One letter of recommendation must be based on this volunteer experience.

The Committee on Admissions will determine candidate's eligibility upon review of the following: cumulative GPA, prerequisite course GPA (*see above*). The committee will also review non-quantifiable items such as letters of recommendation, employment experiences, healthcare experiences, professional and community activities, and written answers to essay questions. Foreign students must submit TOEFL scores for review.

Information regarding the application deadline may be obtained from the School of Graduate Medical Education, (973) 275-2826.

Curriculum Requirements

Year I (28 credits)

Fall Semester (15 credits)

GMED 6001	Functional Human Anatomy	3
GMED 6002	Human Physiology	4
GMAT 6003	Surface Anatomy and Palpation	1
GMAT 6005	First Aid and Emergency Response	2
GMAT 6009	Biomedical Ethics	2
GMAT 6010	Athletic Training Principles I	3

Spring Semester (13 credits)

GMAT 6011	Athletic Training Principles II	3
GMAT 6012	Procedures I (tests and measurements)	4
GMAT 6013	Kinesiology	3
GMAT 6101	Physical Agents	3

Year II (26 credits)

Fall Semester (13 credits)

GMED 6007	Research Methods and Biostatistics	3
GMAT 6008	Principles of Motor Control	2
GMAT 6104	Practicum in Athletic Training I	2
GMAT 6111	Procedures II (therapeutic exercise)	3
GMAT 7004	Evaluation and Management of the Musculoskeletal System I – Extremities	3

Spring Semester (13 credits)

GMAT 6014	Exercise Physiology and Nutrition	4
GMAT 6113	Sports Psychology	2
GMAT 6114	Practicum in Athletic Training II	2
GMAT 7005	Evaluation and Management of the Musculoskeletal System II – Spine	4
GMAT 7007	Research Project I	1

Year III (20 credits)

Fall Semester (10 credits)

GMAT 6102	Orthopedic Clinical Medicine	2
GMAT 6103	Healthcare Issues in Medicine	3
GMAT 6106	Basic Clinical Imaging	2
GMAT 7002	Practicum in Athletic Training III	2
GMAT 7107	Research Project II	1

"The best way to prepare for life is to begin to live."

ELBERT HUBBARD

Spring Semester (10 credits)

GMAT 6015	Emergency Medical Technician	4
GMAT 6105	Pharmacology	2
GMAT 7008	Drugs and Physical Performance	1
GMAT 7207	Research Project III	1
GMAT 7308	Practicum in Athletic Training IV	2

Course Descriptions**GMAT 6003 Surface Anatomy and Palpation**

This course introduces the student to the application of physical examination to the understanding of human structure and movement. Emphasis is placed on the study of superficial anatomical landmarks and tissues. Attention is paid to manual identification of selected musculoskeletal structures in the human mechanical system. *1 credit.*

GMAT 6004 Biomedical Ethics

A study of the application of human and professional values, judgement, and choices to selective ethical dilemmas that arise in practice. Emphasis on various traditional and contemporary approaches to normative ethics within decision making models applicable to resolving professional dilemmas in the delivery of health care. *2 credits.*

GMAT 6005 First Aid and Emergency Response

The first section of this course provides the guidelines and skills of the Heart Association on CPR (adult, child, and infant). This covers risk factors for cardiovascular disease, signs and symptoms of a heart attack, and what to do in a choking emergency. The second section of this course provides the knowledge and skill necessary in an emergency to help sustain life, reduce pain and minimize the consequence of injury or sudden illness until professional medical help arrives. *2 credits.*

GMAT 6008 Principles of Motor Control

This course is designed to assist clinicians in the integration of motor control into clinical practice for the advancement of motor skill acquisition. The four major topics explored in this course are Theories of Motor Control, Measurement of Motor Behavior, Control Mechanisms for Skilled, Movement and Practice Conditions. *2 credits.*

GMAT 6010 Athletic Training Principles I

This course provides entry-level athletic training students with the basic knowledge of how to perform the various responsibilities of a certified athletic trainer including self-preparation for an event, preparing the athlete for an event, on-field evaluation and management of common athletic injuries. Additionally, mechanisms of injury, corresponding signs and symptoms, and rehabilitation of common athletic injuries will be discussed. *3 credits.*

GMAT 6011 Athletic Training Principles II

This course covers common mechanisms, pathologies, signs, and symptoms of sport-related injuries (shoulder, elbow, forearm, hand, fingers, pelvis, hip, thigh, knee, leg, ankle and foot). Students will also describe management strategies for these selected musculoskeletal diagnoses and demonstrate preventative methods. *3 credits.*

GMAT 6012 Procedures I (tests and measurements)

Provides the student with an introduction to the principles of patient care. Topics include: Patient interviewing, documentation, monitoring of vital signs, positioning, transfers and the use of assistive equipment for ADL activities. Students will also be

introduced to physical examination skills including: goniometry, range of motion, manual muscle testing, reflex testing and sensory testing. *4 credits.*

GMAT 6013 Kinesiology

Presents the application of physics, anatomy, and physiology to the understanding of human movement. Emphasis is on the study of the development and function of bone, muscle, and ligaments in contributing to normal motion. Attention is paid to synovial joints as key linkage in the human mechanical system. *3 credits.*

GMAT 6014 Exercise Physiology and Nutrition

Presents the responses of the human body to normal and pathological processes, conditions, and manifestations in relationship to their influences on human performance. Emphasis is placed on the study of muscle physiology, metabolism, cardiovascular and respiratory adaptations, aging, thermoregulation, strengthening, training and exercise prescription. Application of examination and evaluation procedures is provided through the use of selected human performance instruments. *4 credits.*

GMAT 6015 Emergency Medical Technician

The EMT-B curriculum is based on the guidelines set by the U.S. Department of Transportation (DOT). The intent of the curriculum is for the student to follow a particular sequence in learning the knowledge and skills of an EMT-B including, CPR, airway management, patient assessment, medical emergencies, pediatric emergencies and emergency service operations. This course includes a 10-hour clinical component in an emergency room and/or a paramedic unit. *4 credits.*

GMAT 6101 Physical Agents

This course emphasizes the use of heat, cold, compression, traction and electrotherapeutic techniques in the management of patients with impairments and functional limitations due to a variety of orthopedic, neurological and medical conditions. This course will stress a problem solving approach for the selection and application of appropriate procedures to manage pain, edema, limitations in motion, muscle weakness and wound healing. *3 credits.*

GMAT 6102 Orthopedic Clinical Medicine

Presents the orthopedic pathological process, conditions and manifestations in relationship to their influences on the patient across the lifespan. Topics to include medical musculoskeletal evaluation, diagnosis and prognosis. Issues of soft tissue and fracture management as well as surgical and basic rehabilitation management for orthopedic concerns of the spine and extremities. *2 credits.*

GMAT 6103 Healthcare Issues in Medicine

This course provides the student with an introduction to the local healthcare delivery system. The class will also focus on clinical signs and symptoms of pathology, which allows the practice athletic training to recognize systemic illnesses and injuries. *3 credits.*

GMAT 6104 Practicum in Athletic Training I

Through classroom and clinical experiences in a variety of clinical settings, students will understand and apply proper medical documentation (SOAP notes), demonstrate a safe procedure for spinal boarding an athlete, and apply protective braces and padding to various injuries. The student will complete 200 supervised clinical hours required by the NATABOC to become an ATC. *2 credits.*

GMAT 6105 Pharmacology

Problem oriented approach to examining the most commonly used pharmacologic agents seen in AT practice. Basic principles of pharma-

codynamics and pharmacokinetics, along with pertinent physiology are presented. Practical aspects of dosing schedules, therapeutic effects, interactions and adverse reactions emphasized, especially as they apply to physical performance and safety. *2 credits.*

GMAT 6106 Basic Clinical Imaging

Presents the theory and utilization of basic clinical imaging in the medical management of patients with various neuromusculoskeletal disorders. Emphasis is placed on the uses of basic radiological techniques for multiple biological systems and organs of the body. *2 credits.*

GMAT 6111 Procedures II (therapeutic exercise)

Provides a foundation of knowledge and skills used to manage the majority of musculoskeletal problems using appropriate exercise principles and techniques. Additionally, this course will examine current concepts in strength and conditioning designed to assist individuals in achieving maximal performance without incurring injury. *3 credits.*

GMAT 6112 Evaluation and Management of the MS System I - Extremities

Management of musculoskeletal dysfunction is examined with emphasis on the development of analytical knowledge necessary to evaluate musculoskeletal dysfunction. Emphasis will be placed on using a problem-solving model of intervention for peripheral joint dysfunction including medical screening, physical evaluation and goal setting. Students will develop skills in manual therapy techniques and integration of these techniques with therapeutic exercise and physical modalities. *3 credits.*

GMAT 6113 Sports Psychology

Introduces the student in athletics to the science of sport psychology. Emphasis will be placed on applied sport psychology for the purpose of enhancing athletic performance, as well as understanding the psychology of injuries and the social-psychological aspects of human enrichment. *2 credits.*

GMAT 6114 Practicum in Athletic Training II

This course is designed to present knowledge on various medical conditions which athletic trainers may come in contact within their career, but which they may not deal with on a daily basis. Area specialist in these medical conditions will act as guest speakers for the class. Students will complete 200 supervised clinical hours required by the NATABOC to become an ATC. *2 credits.*

GMAT 7002 Practicum in Athletic Training III

Students will learn the principles of administration and organization that are specific to athletic training. Furthermore, they will assume responsibility for providing safe, legal and ethical practice; develop effective job interviewing skills and principles; demonstrate ability to search on the Internet and prepare for jobs and graduate schools; and understand the elements of state licensure from a variety of states. The student will complete 200 supervised clinical hours required by the NATABOC to become an ATC. *2 credits.*

GMAT 7005 Evaluation and Management of the MS System II - Spine

Patient evaluation and management is examined with emphasis on the development of analytical knowledge to evaluate musculoskeletal dysfunction. Using a problem-solving model, patient care intervention for spinal joint dysfunction includes medical screening, physical evaluation and goal setting. Students will develop skill in

manual therapy techniques and integration of these techniques with therapeutic exercise and physical modalities. *4 credits.*

GMAT 7007 Research Project I

Submission and approval of a research project based on a review of literature. Students work in small groups with a faculty adviser. Prerequisite: GMED6007. *1 credit.*

GMAT 7008 Drugs and Physical Performance

This course is designed to introduce the student who is interested in athletics to the use of performance-enhancing substances by athletes. The emphasis of this course will be to provide insight into how drugs, chemicals and hormones can affect body performance and to what extent such substances can adversely alter biological function(s). *2 credits.*

GMAT 7107 Research Project II

Continued research project with an emphasis on data collection and analysis. Students work in small groups with a faculty adviser. Prerequisite: GMAT 7007. *1 credit.*

GMAT 7207 Research Project III

Writing and oral presentation of final project report. Students work in small groups with a faculty adviser. Prerequisite: GMAT 7107. *1 credit.*

GMAT 7308 Practicum in Athletic Training IV

This course will prepare students for the NATA-BOC exam by reviewing comprehensive materials pertaining to each athletic training domain and taking mock exams. Students will also learn techniques for effective clinical and didactic teaching. The student will complete 200 supervised clinical hours required by the NATABOC to become an ATC. *2 credits.*

GMED 6001 Functional Human Anatomy

Presents the structure and the function of the human body in a clinically oriented course in human gross anatomy for students in the AT program. All systems of the body are studied with special emphasis given to skeletal, muscular and nervous systems. Radiological anatomy is introduced and used throughout the course. *3 credits.*

GMED 6002 Human Physiology

Provides instruction in the contribution of the various organs and organ systems to the overall homeostasis of the human body. Addresses the levels of functional physiological organization that may be disrupted by disease or trauma. *4 credits.*

GMED 6007 Research Methods and Biostatistics

Provides students with a working knowledge of the research process, with an emphasis on formulating a research question and a logical research plan to answer it. Topics will include processes for developing the research question, research design and statistical procedures. The goal is to help students prepare a research proposal for a research project (GMAT 7007). *4 credits.*

Health Law & Policy Program

Seton Hall University School of Law



Master of Science in Jurisprudence in Health, Science and Technology

One Newark Center
Newark, NJ 07102
(973) 642-8871
law.shu.edu

Dean: Patrick E. Hobbs, J.D., L.L.M.

Associate Dean for Academic Affairs and Director of Health

Law & Policy Program: Kathleen M. Boozang, J.D., L.L.M.

Acting Director, Institute of Law, Science & Technology: R. Erik Lillquist, J.D.

Faculty: Boozang; Coleman; Denbeaux; Gilhooley; Jacobi; Jennings; Ku; Lillquist; Risinger; Solove; Sullivan.

Seton Hall Law School offers a Master of Science in Jurisprudence (M.S.J.) Degree in Health, Science and Technology. The M.S.J. program provides professionals working in health care, information technology, telecommunication, pharmaceuticals and biotechnology with a solid foundation in the legal and regulatory aspects of the industry.

The Master of Science in Jurisprudence Degree in Health Law

HeLPP has offered a Master of Science in Jurisprudence (M.S.J.) degree in Health Law since 1997. The M.S.J. degree is an extension of the Law School's nationally ranked Health Law & Policy Program, and the Institute of Law, Science & Technology. Recently, more than ever before, the legal profession and the health, science and technology industries have become inextricably intertwined. Frequently professionals in health, science and technology feel as if they need a lawyer in order to competently and efficiently perform their job. The M.S.J. degree provides these professionals with a solid foundation in legal aspects of the industries so that they have a better understanding of the laws that affect their everyday lives.

Armed with this knowledge, professionals working in the health care, information technology, telecommunications, pharmaceutical, biotechnology and related industries will perform their jobs with much less frustration and confusion, and with more confidence and reliability. Courses are conveniently scheduled to accommodate working students. The Law School is conveniently located one block north of Newark Penn Station.

Admission Requirements

A candidate seeking admission to the M.S.J. Program must have at least a bachelor's degree from a regionally accredited college or university, or the foreign equivalent. The Admissions Committee prefers candidates who have professional experience in the health, technology, pharmaceutical, biotechnology or related industries. Decisions are based on quality of undergraduate performance and, if applicable, graduate school academic records, ability to do superior work, and writing skills. Candidates are not required to take pre-admissions tests such as the LSAT, GRE or GMATS. Any applicant whose pre-college education was in a language other than English will be required to take the Test of English as a Second Language (TOEFL).

Enrollment in the program begins each June with a summer class, *The Legal System, Research and Writing*, followed by a full course of study beginning in the Fall. Students who do not successfully complete the summer course are not invited to continue in the program.

Admissions Procedures

Interested applicants must apply directly to the Law School. Contact (973) 642-8871 and request a M.S.J. application. Completed M.S.J. applications should be mailed to The M.S.J. Program, Seton Hall Law School, One Newark Center, Newark, N.J., 07102, along with:

- \$60 application fee payable to Seton Hall University;
- personal statement (as described in the application);
- resume;

- official transcript from all colleges/universities attended; and
- two or three letters of recommendation.

Financial Assistance

Financial aid may be available through the Federal Loan Program. For more information, please call (973) 642-8744

Course of Study

The M.S.J. candidate must complete 30 credit-hours of coursework at the Law School, including a thesis. The M.S.J. candidate's curriculum is substantially made up of required courses. The program begins each summer with a 3-credit legal method and research and writing course to orient the M.S.J. student to the tools of legal reasoning. Additionally, the M.S.J. candidate must take two survey courses of 3 credits each, *Business Law Survey* and *Constitutional Law Survey*, which are designed specifically to provide an overview of basis areas of legal study. Every student must take *Torts I* to provide background in common law reasoning and knowledge of a body of law critical to the health field.

Upon completion of the second semester in the program, candidates must select the track they will follow: health law or intellectual property. The health law track will focus on legal, regulatory and ethical issues related to traditional healthcare industries and medical professions. The intellectual property track will focus on legal, regulatory and ethical issues related to science, information technology and telecommunications. Some professionals working in the pharmaceutical or biotechnology industry may benefit from selecting one of the two tracks, while electing to take upper level courses from the other.

Students choosing the health law track will be required to take *Healthcare Organizations* and *Administrative Law or Administrative Health Law*. Students choosing the Intellectual Property track will be required to take *Intellectual Property* and one of the following seminars: *Copyright, Trademark and Unfair Competition*, *Patent Law*, or *Biotechnology and the Law*. Students from both tracks will be required to complete a Master's thesis, which is completed as an independent research project under the supervision of a full-time faculty member. Upon completion of the thesis project, the student receives 3 credits.

Course Descriptions

M.S.J. Courses - Required

HLTH 7390 The Legal System, Research and Writing

This course provides M.S.J. students with an introduction to the legal system as well as basic legal research and writing skills, with a focus on topics relevant to the health and pharmaceutical industries. Students receive LEXIS, WESTLAW and Internet research training. *3 credits.*

HLTH 7400 Business Law Survey

This course introduces the M.S.J. students to principles of contract and corporate law necessary to provide an appropriate background to health law courses. The seminar includes a writing component that focuses on drafting skills. *3 credits.*

HLTH 7402 Constitutional Law Survey

This course provides a general overview of the constitutional law doctrines that are most relevant to health professionals. Particular attention will be paid to separation of powers, privacy, and reproductive rights under the First Amendment as they relate to government regulation of health care. The course also considers constitutional and other issues raised by the role of the administrative agencies and the implementation of legislation in the healthcare system. *3 credits.*

LAW 6008 Torts I

This course surveys the law governing compensation for civil wrongs not arising from agreement and judicial remedies for such wrongs. Intentional torts and privilege defenses negligence elements and defenses; strict liability, including ultra-hazardous activities, and product liability, special emphasis is given to legal theories of causation, the standard of care and issues of proof. *4 credits.*

Basic Health Law Survey Courses

HLTH 7501 Healthcare Organizations

This survey course introduces the student to the issues, laws, regulations, and accreditation standards essential to representing the institutional healthcare client, with particular focus on hospitals. A significant portion of the course is spent discussing the special requirement of licensure, not-for-profit, tax-exempt, antitrust, fraud and abusive laws. *3 credits.*

HLTH 7502 Legal and Ethical Issues in Medicine

This course examines the major legal and ethical issues surrounding medical practice and research. Topics include the duty to treat the formation and termination of the physician-patient relationships; the confidentiality of medical information; informed consent; medical malpractice; medical decision at the end of life; organ transplantation; and the use of human subjects in medical research. *3 credits.*

HLTH 8502 Healthcare Access and Payment

This course examines the rapidly shifting means by which patients gain access to health care, and through which sponsors of health coverage organize and compensate healthcare providers. The course focuses on financing, administrative and legal structures through which quality, cost and access are balanced. *3 credits.*

Health Law Courses

Business Law and Litigation

HLTH 8505 Healthcare Fraud and Abuse

The complex business of healthcare finance and delivery is increasingly structured by reference to an array of federal regulatory and statutory requirements. This course examines the anti-kickback laws, the False Claims Act, Stark I & II, and RICO in the context of commercial relationships, regulatory reviews, and criminal investigation and prosecutions. It also examines the burgeoning area of corporate compliance programs. *2 credits.*

HLTH 9512 Medical Malpractice

This seminar focuses on the principles underlying the traditional medical malpractice liability regime and proposals to reform or

supplant that system. Specifically, students review empirical studies on the propensity of patients to sue providers, the disposition of medical malpractice claims, and the impact of the traditional tort system on the cost and quality of medical care. *2 credits.*

HLTH 9518 Health Employment Issues

This seminar covers the special issues involving healthcare professionals that arise in the healthcare delivery system. The organization follows the three ways that healthcare professionals are employed by hospitals and other healthcare delivery organizations. *2 credits.*

HLTH 9519 Non-Profit Organizations

This seminar examines the state tax and corporate law and the state and federal laws governing the taxation of nonprofit health care organizations. It addresses issues of public charity, unrelated business income, and private foundation status as they relative to corporate restructuring, financing, and mergers and acquisitions. *2 credits.*

HLTH 9521 Anatomy of a Medical Malpractice Case

This seminar provides students with the tools to prepare and try a medical malpractice case. Students are provided with redacted (but otherwise complete) medical chart to analyze. They conduct medical research and learn how to locate expert witnesses. Following this, each participant prepares pleading and services, and responds to discovery requests. Students take simulated depositions of parties and experts. They prepare pretrial motions and attend an ongoing medical malpractice trial, a trial call and motion days. *2 credits.*

HLTH 9522 Counseling the Healthcare Provider

This course highlights the most pressing legal and regulatory issues currently facing all healthcare providers. It explores the role of legal counsel (both in-house and outside counsel) in advising healthcare clients of these complex issues. Students participate in drafting and negotiation exercises that simulate real-life situations. *2 credits.*

PRFM 7005 Products Liability

This course provides an intensive investigation of this highly specialized area of tort law with particular emphasis on the problems of proof of liability and other features of the trial of a products liability case. *2 credits.*

PROP 9704 Elder Law: Financial Aspects

This seminar focuses on planning for the aged and incapacitated, including financial and contractual needs; planning for custodial healthcare costs; custodial care insurance; and Medicaid and general assistance. *2 credits.*

Administrative Health Law Electives

HLTH 7500 Administrative Health Law

This course explores the powers and processes of administrative agencies in our governmental system, paying particular attention to why and how administrative agencies came to secure such a prominent place in our political, legal and constitutional landscape. In exploring these issues, particular emphasis will be placed on agencies and processes that effect the healthcare industry. *3 credits.*

HLTH 8500 Food & Drug Administration

This course focuses on the federal legislative and administrative regulation of foods, pharmaceuticals and medical devices. The class discussion examines the statutory aims, the nature of the legal requirements, and the effects of different types of regulatory schemes. Consideration is given to basic issues, such as the regulation of carcinogens in foods and the impact of the new drug requirements. The class provides insight into the procedures and regulatory philosophy of the Food and Drug Administration. *2 credits.*

HLTH 9501 Current Issues in Food and Drug

This seminar is an in-depth study of current issues that shape federal and state regulation of food and drug products, with a special emphasis on the treatment of pharmaceuticals. It considers changing areas of the law and examines options available to meet public concerns. Topics covered include legislative reform proposals and the impact of managed care on pharmaceutical regulations. *3 credits.*

HLTH 9508 Drug Innovation, Regulation and Costs

This seminar examines the process and rationale for FDA regulation of drugs and medical devices; examines the impact of regulation on the ability to develop innovative products and the emerging issues about drug costs. It explores the effort to control prescription drug costs through managed care programs, and in legislative proposals, and the impact of these measures on innovation and health. *2 credits.*

HLTH 9513 Representing the Pharmaceutical Client

This seminar offers a practical perspective on the day-to-day issues arising during in-house representation of a pharmaceutical company. It examines the governing laws, regulations, current practices and trends in the industry. The course specifically focuses on the legal and practical aspects of the drug approval process, promotion and distribution of drugs, pricing of drugs and recent government enforcement initiatives in the pharmaceutical industry. Topics include the practical perspective on the clinical process, licensing issues, line extensions of approved drugs and pricing concerns. *2 credits.*

PUBG 7801 Administrative Law

This course covers theory of administrative actions; administrative process; agency organization; determination and promulgation of the administrative regulations; right to notice and hearing; enforcement; judicial review; standing; and the Administrative Procedures Act. *3 credits.*

Bioethics and Public Policy Electives

HLTH 9505 Mental Health Law

The testimony of clinicians is frequently relied upon by judges and juries in determining whether, or to what extent, an individual's liberty may be infringed. Accordingly, this course analyzes how clinical definitions of mental disease are used in a variety of legal contexts, including: civil and criminal commitment proceedings, the insanity defense, incompetency hearings and the detention of sexual predators. *2 credits.*

HLTH 9507 Law & Genetics

Rapid advances in the science of modular genetics now facilitate collection of genetic data, as well as the manipulation of genetic material to treat or prevent genetic diseases. This course explores the variety of ethical and legal issues raised by these unprecedented capabilities. Topics to be discussed including privacy of individual genetic information, access to genetic information by governmental bodies such as law enforcement agencies, constitutional and ethical issues in gene therapy and ownership and control of genetic information. *2 credits.*

HLTH 9509 The Law of Death & Dying

This seminar engages the student in an extensive study and analysis of empirical data, current statutes and cases, as well as proposed changes to the law dealing with issues related to death and dying. Class topics include alternative definitions of death, organ donation, withholding and withdrawal of death-prolonging and life-sustaining treatment, advance directives, patient demands for futile treatment, the cost of end-of-life care, wrongful living, reproduction after death and physician-assisted death. *2 credits.*

HLTH 9515 Public Health

This seminar examines the structure of public health law, with emphasis on government responsibility and power, individual rights, and the relationship between the law concerning population and individual health. Topics will include responses to threats of terrorism, infectious disease, environmental threat such as tobacco and lead and privacy concerns. *3 credits.*

HLTH 9516 Bioethics & Public Policy

This course explores federal and state efforts to develop public policy on ethical issues in medical treatment and research. Topics are selected from a variety of current controversies, including research with human subjects, genetic testing and screening, assisted reproductive technologies, cloning and stem cell research, and decisions about life sustaining medical care. Some time is devoted to historical and theoretical perspectives on these issues, while the emphasis is on the challenges facing policy makers accountable to multiple constituencies with vastly differing - and potentially irreconcilable - priorities and worldviews. *3 credits.*

HLTH 9517 Regulating Research with Human Subjects

This seminar examines the legal, ethical and public policy issues surrounding the use of human subjects in biomedical research, focusing on current controversies and efforts to reform the existing regulatory structure. The seminar begins with a historical examination of human subject research, but the bulk of the semester is devoted to a critical analysis of the current system for overseeing human subject research. Throughout the seminar we consider how the regulatory system should take into account the changing relationship between academia, industry and government. *3 credits.*

HLTH 9520 Alternative Medicine and the Law

As consumers are increasingly relying upon alternative medicine as a complement to their conventional medical care, hosts of legal issues arise, which this seminar will address. The seminar begins with the historical bias of physicians against all non-physician

providers and explores how that impacts legal analysis. It will then turn to licensing, malpractice and collaboration issues before focusing on Web pages and managed care. *2 credits.*

PUBR 9172 Disability Law

This seminar explores the civil rights of Americans with disabilities under state and federal statutes. It will consider the federal Americans with Disabilities Act and the Rehabilitation Act as well as state anti-discrimination statutes, the rights of people with mental disabilities, and the rights of children with disabilities to an adequate education. *2 credits.*

Intellectual Property Courses**Intellectual Property Survey Courses and Core Electives****INDL 7301 Intellectual Property**

This course surveys patent, copyright and trademark laws. It serves as an introduction to the scope of protection of ideas and creation of legal monopolies and provides a foundation in the area for those who intend to undertake further training in more specialized areas of proprietary rights. *3 credits.*

INDL 8301 Copyright

This course covers all phases of common law and statutory copyright including works subject to protection; securing protection; right of copyright holder an succession to those right by agreement and inheritance; international problems; and fair use and infringement questions. *2 credits.*

INDL 8302 Trademark and Unfair Competition

This course covers common law and statutory protection of trademarks and trade names, including: acquisition, loss, registration and licensing of all forms and trademarks; problems of infringement; dilution; and antitrust effects of trademark protection. *2 credits.*

INDL 8303 Patent Law & Practice

This course undertakes an intensive examination of the nature of patents and questions of patent validity and procurement, primarily for those intending to specialize in the patent area in their future practice. It addresses the nature of patent property; problems in the procurement of patents including filing date, obtention, and maintenance; international practice and problems; patent office practice; problems of validity including novelty, utility, and non-obviousness; and transfers of property rights in patents. *2 credits.*

Intellectual Property Electives**INDL 7307 Electronic Commerce**

This course considers how developments in information/technology affect commercial transactions. Issues related to information (including rules for protecting information, intellectual property and privacy) and various types of transactions in the electronic contexts (sales between businesses and/or consumers, Web site issues, and payments), as well as cross-border dispute resolution, will be addressed. *3 credits.*

INDL 8306 Law and the Computer

This course surveys computer law, covering patent, copyright and trade secret protection of software and software piracy. It considers the acquisition process including requests for proposal, requests for quotes and requests for information. Students will study negotiation and drafting of computer contracts for hardware, software, and services; and the resolution of computer disputes including theories of liability, vendor defenses and litigation strategy. No prior knowledge of computers is required. *2 credits.*

INDL 8309 Internet Law

This course survey legal issues related to the use and misuse of global electronic networks including the Internet. Topics to be discussed include: regulation of digital content; privacy and control of personal data; legal and constitutional implications of public key infrastructure; and regulation of electronic commerce. *3 credits.*

INDL 9305 Patent Claim Drafting

This seminar focuses on the "claim" or "claims: appended to a patent specification. The claim defines the scope of the grant, to the technical extent of the exclusive privilege the patent accords to its owner. *2 credits.*

INDL 9308 Advanced Topics in Intellectual Property

This course provides an intensive case study of the law relating to the enforceability and litigation of patents, particularly in the pharmaceutical and biotech industries. It is intended for those planning to specialize in patent law. The course provides in-depth discussion on patent controversies both in the District Court and Patent & Trademark Office, including opinion writing, discovery and trial preparation, remedies and interference practice. *2 credits.*

INDL 9310 United States Patent Application Preparation and Prosecution

This seminar develops the writing and analytical skills required to draft applications for United States Patents. Patent prosecution techniques, including evaluation of Patent and Trademark Office Official Actions and preparation of responses to these Official Actions, are studied. There also is practice in drafting appellate briefs for submission to the Board of Patent Appeals and Interferences. *2 credits.*

INDL 9313 Copyright Law in the Digital Millennium

This seminar examines current controversies involving property and new technology. Specifically, it explores the issues surrounding copyright law and the protection of digital information products including music, books and movies. *2 credits.*

INDL 9315 Intellectual Property Licensing

This seminar provides a comprehensive study of all aspects of intellectual property licensing and related issues. Students analyze and draft various trademark, copyright, music, software, patent and technology license, and develop related negotiation skills and litigation strategies. Students learn how value can be

unleashed in intellectual property assets through licensing. *2 credits.*

INDL 9318 Communications Law and Policy

This seminar provides an intensive study of the law and public policy relating to communications, with special emphasis on telecommunications. Students study the history and structure of the telecommunications industry in the United States, and recent developments toward creating competition in formerly monopoly markets; review the sources of communications law and policy (federal and state agencies and courts); explore the layman's understanding of the technical network fundamentals; and evaluate content issues. Practical client concerns, such as entry into new lines of business and defending existing lines of business from competitive threat will be discussed. *2 credits.*

INDL 9319 Law and Science

Law and science are separate and distinct domains of human endeavor, but they impinge upon each other in important ways. Law may impinge on science by inhibiting or forbidding research, and by encouraging other research through the support of public funding. Science may impinge upon law by the force of the law making. However, the agents of lawmaking and law application may have little notion of how to distinguish fact from hypothesis and science from pseudo-science. The course begins with a

consideration of the characteristics of the modern enterprise of science. It then proceeds to consider such topics of the law-science relationship as are selected by the enrollees as paper topics. *2 credits.*

PRMD 9211 Expert Witnesses

This seminar explores the use and limits of expert testimony including, but not limited to, the testimony of scientists, social scientists, forensic experts and other less formal sources. The law of expert testimony is expanding exponentially and thereby causing radical changes in the rules of evidence. Students study relevant principles of evidence and the origins and basis of key areas of expert testimony. *2 credits.*

PUBR 7910 Information Privacy Law

This course provides and in depth analysis of privacy law in the United States. Topics include: health and genetic privacy (medical records, DNA databases, confidentiality of physician-patient relationships, medical and genetic information for employers and insurers); privacy and law enforcement (wiretapping, police records, surveillance and searches, and Megan's Law); privacy at home, work and school (drug testing, searches, surveillance, privacy or mail, e-mail and telephone communications); privacy versus the media (reputation, public disclosure of private facts, paparazzi, private lives of public figures); privacy and computers (databases, encryption, and the Internet); and bodily and family privacy (abortion, the right to die, marriage and children). *3 credits.*

Note: Students are required to have a degree in engineering or a physical science.

"Defending the truth is not something one does out of a sense of duty or to allay guilt complexes, but is a reward in itself."

PETER BECHMANN

SetonWorldWide

Kozlowski Hall/Presidents Hall
1-888-SETONWW
www.setonworldwide.net

Director: Philip S. DiSalvio, Ed.D.

SetonWorldWide's online degree programs are designed for professionals who have demonstrated significant achievement in their respective fields, and who have the ability, desire and dedication to accept the rigors of a fast-paced, challenging curriculum.

Utilizing an Internet-based delivery system, the SetonWorldWide online degree programs provide a true collegial experience by establishing an online community of learners. Students join a learning team and proceed as a group through the entire program. Completing course requirements completely online, students are able to earn a degree while continuing to meet their professional and personal commitments.

The SetonWorldWide Mission

SetonWorldWide serves the educational aspirations and professional needs of students from across the country and around the globe. Seton Hall is committed to utilizing the technological advantages that Internet-based delivery affords for the benefit of our students and the advancement of the teaching and learning process.

The SetonWorldWide Philosophy

A primary factor in any educational process is the quality of interaction among students and faculty. SetonWorldWide believes that distance in education is not defined by the geographic separation of the learner and teacher, but by the amount of dialogue and structure. The instructor and a group of learners can be distant if dialogue is not present, even if they are in the same room. Likewise, in the presence of dialogue, the instructor and learners can be in close contact, even if they are physically miles apart. At the heart of all SetonWorldWide programs, is the importance of constant interaction between faculty and students. The academic quality of interaction, enabled by the technology, is an important distinction that marks the superior character of the SetonWorldWide online programs.

Student Commitment

The SetonWorldWide (SWW) programs have been designed for working professionals who can most benefit from "anytime, anywhere" education. Acknowledging that these students are particularly able to integrate what has already been learned in their careers and demonstrate to others these enhanced capabilities, SWW recognizes that as learning team members, they, along with the faculty and members of the instructional teams, are interrelated and interdependent. These relationships are key to a rich and dynamic online learning experience and each student is a vital link in the overall success of that experience.

Current Online Degree Programs

- Master of Arts in Counseling
- Master of Arts in Strategic Communication and Leadership
- Master of Healthcare Administration
- Master of Arts in Education with a specialty in Leadership, Management and Policy
- Master of Science in Nursing with a Nurse Practitioner concentration
- Bachelor of Science in Nursing for Registered Nurses
- Master of Business Administration (scheduled for September 2002)

Tuition

Tuition includes all fees (except for the application fee), and all expenses, including books and course materials, and room and board for the three residency weekends (note the residency period for the Counseling program). Travel expenses, computer equipment, software and student ISP costs are not included. Discounted tuition costs can be offered to organizations sponsoring an entire learning team. A deposit of \$1,500 is required on admission to the program. This NONREFUNDABLE deposit guarantees space in the program, and is credited towards the total cost of the program. Financial aid payment plans are available for students interested in paying their tuition on a monthly basis or those interested in a loan program. Complete tuition and financial aid information can be found on the SetonWorldWide Web site at www.setonworldwide.net

SetonWorldWide Program Application

Students can apply online for the SetonWorldWide degree programs at www.setonworldwide.net. Click on "apply" for the necessary information.

Master of Arts in Counseling

Academic Director: John E. Smith, Ed.D.

The Master of Arts in Counseling offers a 48-credit program that parallels the traditional counseling program. The mission of the Master of Arts in Counseling is to provide the student with a comprehensive background and preparation in counseling a wide variety of client populations. The major goal is to ground students in the essential background of theory, skills and models of intervention that research has found to be effective. Particular emphasis is placed on the relationship between the counselor and the community. The program is offered by the Department of Professional Psychology and Family Therapy in the College of Education and Human Services.

Holistic Approach

All learning teams include an underlying orientation to explore counseling in a holistic manner. This includes behavioral, cognitive and emotional expression of how clients express their concerns. Students should be open to viewing counseling as addressing the whole person on intrapersonal, interpersonal and transpersonal dimensions. Dialogues concerning a wide range of issues provide a rich context for critical thinking.

Customized Learning Teams

SetonWorldWide also welcomes inquiries from individuals or organizations that wish to form a learning team focused on a common interest, commitment and/or cultural variable. Such teams study the same rigorous curriculum, with added customization to address the team's unique area of focus.

Residency Requirement

Two 10-day residencies are held. The first residency is held at the start of the program, and the second one the following year.

Admissions Requirements

Admissions is based on the following:

- B.A. or equivalent;
- GRE, MAT, or TOEFEL scores within the past five years. This requirement may be waived;
- an official sealed transcript from each college and/or university attended;
- current resume;
- three letters of recommendation; and
- evidence of psychological well-being.

For additional information about this program, visit the SetonWorldWide Web site at www.setonworldwide.net and/or contact one of the following: Rosalie Maiorella, M.S., assistant academic director at (973) 275-2397 or e-mail maiorero@shu.edu, or Matthew Abalos, assistant program director, at (973) 275-2809 or e-mail abalosma@shu.edu

Course Descriptions**CPSY 6000 Group Dynamics**

Combining theory with application through observation of a group setting, a focus on the dynamics of various types of groups. Study of the small group as a microcosm of the larger society. Requires field observation of groups. *3 credits.*

CPSY 6001 Tests and Measurement

Rationale and assumptions underlying psychological tests. Consideration and evaluation of the types of tests commonly used in education and psychology. Introduction to theoretical foundations for assessing psychological constructs including methods for estimating reliability/validity and techniques for scale construction. *3 credits.*

CPSY 6002 Counseling Theory

Examines in depth the function of theory in counseling; major theories and their contributions to the practice of counseling. Affords opportunity to begin the development of students' own theories of counseling. *3 credits.*

CPSY 6003 Counseling Skills

Skill-building experience in facilitative behaviors (empathy, genuineness, extending client communication) using such techniques as modeling, role-playing, videotape feedback, as well as other training methodologies. Extensive research has indicated that certain basic skills, interpersonal in nature, are essential to all helping relationships. *3 credits.*

CPSY 6102 Psychology of Human Development

Overview of current theories of human development: biological, psychological, social, emotional and cognitive aspects of maturation and growth through the life cycle. Implications for child rearing, education and mental health. Theorists include Werner, Piaget, Erikson and Maslow. *3 credits.*

CPSY 6301 Career Development and Information

Study of the sociology and psychology of career development and occupational choice. The collection, evaluation and use of various sources of educational and occupational information. *3 credits.*

CPSY 6303 Community Agencies

The process of referral including a review of the literature of community organization, cross-cultural counseling and empowerment of the individual in a community context. Students prepare a portfolio of a mini-directory of community agencies in the area, interviewing at least two clients and two community agency administrators using ethnographic techniques and standards. A minimum of eight hours per interviewee, the preparation of a log, selected transcriptions of the interview and an ethnographic report. A writing project based on a case study of the agency selected and problem-solving strategies will be part of the final grade. *3 credits.*

CPSY 6315 Problems and Techniques in Counseling

Issues in counseling such as rapport, readiness, resistance, transference and counter transference. Counselor variables such as values, needs, interpersonal orientation and their relationship to the counseling model. Presentation and review of counseling techniques. Use of the case study method to expand students' awareness and sensitivity, the complexity of the individual. Focus on skill development through the use of audiotapes and role-playing. *3 credits.*

CPSY 6316 Group Counseling

Requires active participation in training group setting. Students learn group process through participation. Factors such as resistance, transference, group climate, norms and stages of development will be observed, experienced and studied. The format of this course will be experiential, not lecture-discussion. *3 credits.*

CPSY 7005 Statistical Theory and Computer Applications I

Students will be taught the interaction between measurement, research design and statistical analysis in sociobehavioral research. Statistical theory will be presented so students gain an insight to modern statistical methods. All students will demonstrate proficiency with current software for data analysis. *3 credits.*

CPSY 7101 Seminar in Research Methodology

Systematic analysis and clarification of research problems, explanation of relationships between research hypothesis and research procedures and appropriate techniques for analyzing data and evaluating evidence. *3 credits.*

CPSY 7310 Practicum

Supervised work in case study, diagnosis, specific program planning and team conferences. Use of audio and videotape. Students in counselor education are required to submit exposition of their own counseling theory. One hundred hours minimum of fieldwork experience is required. Placements need to be approved by the practicum/internship coordinator at least three months prior to placement. *3 credits.*

CPSY 7380-7381 Internship in Counseling

Supervised fieldwork placement in a setting appropriate to area of interest, including higher education, secondary or elementary education, and public or private agencies. Counselor preparation requires 300 hours (combination of on-site work and supervision). Placements need to be approved by the practicum/internship coordinator at least three months prior to placement. *3 credits each semester.*

CPSY 8010 Seminar: Ethical and Legal Issues in Professional Psychology

Codes of ethics and their application to professional issues. Current laws and court decisions affecting professional psychologists. Discussion of ethical dilemmas and the process of individual decision-making. *3 credits.*

CPSY 8100 Cross Cultural Psychology

Investigates the theoretical backgrounds of all major cultures around the world and applies that knowledge to the psychological functioning of different client populations. Examines in depth different methodologies, issues and research in cross-cultural psychology. *3 credits.*

Practicum and Internships

Practicum and Internship are traditionally fulfilled "off-site". This is true in the Online Program. Students would be required to meet all the requirements of the traditional program. Students would fulfill their required hours at sites near their home.

As in the traditional Program, a competent professional at the site provides primary supervision. Both the Practicum and the Internship are done at the same site. In addition, each student would have an online, telephone and in-person supervision comparable in time and scope with the traditional Program.

Students would prepare for Practicum and Internship as part of the course work covered in Summer Session I and II. Practicum and Internship would be completed only after the Residency (Summer Session I and II) are successfully completed.

This 48-credit, 2 1/2 - 3 year program provides a unique opportunity for students to pursue their own focus within the framework of a customized learning team of persons with a similar interest.

Master of Arts in Education Leadership, Management and Policy

Academic Director: Charles Mitchel, Ed.D.

The online Master of Arts in Education, with a specialization in Education Leadership, Management and Policy, is offered by Seton Hall University's College of Education and Human Services. It is designed to provide students with an extensive preparation in educational administration, covering a myriad of theoretical approaches and real-world applications.

Students may broaden their knowledge and understanding of the process of education, improve their professional techniques, prepare for leadership positions or careers in education. Academic excellence, service, managerial competence, ethics, diversity, values and visionary leadership are the programmatic goals of the online M.A. in Education Leadership, Management and Policy.

Online programs share the same philosophy as our resident programs. All programs focus on four central pillars: academic rigor, practical application, technology and ethical standards. The curriculum and instruction reflect the latest research and applications of effective educational administration and supervision. Programs also emphasize the need for ethical standards and strength of character. Students, through case study and other interactive methods, are exposed to potential situations and concerns, which challenge today's educational leaders.

The degree requires 36 semester hours of coursework. Six modules comprised of two courses (6 semester hours) are delivered online every four months. This degree program concludes with a culminating project or internship, depending on the student's specific career goals.

This degree can lead to certification with the New Jersey State Education Department and *most other states*. For more information on how to be certified in your state, contact The College of Education and Human Services or visit the Web site at www.setonworldwide.net

Admission Requirements

The admission process focuses on academic qualifications and prerequisites rather than the applicant's particular undergraduate major. Admission will be open to holders of baccalaureate degrees from accredited colleges or universities. An admissions committee composed of full-time faculty in the Department will evaluate each applicant based on the following criteria:

- undergraduate GPA 3.0 (or equivalent);
- three letters of recommendation from academic and/or professional references;
- letter of intent;
- current resume; and
- results of recent (within last 3 years) test scores from the Miller Analogies Test (MAT) or the Graduate record Examination (GRE), are required.

For additional information, please visit the SetonWorldWide Web site at www.setonworldwide.net or contact: Mel Klein, assistant academic director at (973) 275-2469 or e-mail melklein@shu.edu or contact Al Galloway, assistant program director at (973) 275-2417 or e-mail gallowal@shu.edu.

Course Descriptions

EDST 7310 Ethical Foundations of Professional Helping Relationships

Justice and the universal natural law as related to every aspect of education. Discussions focus on the most significant and fundamental moral issues in education today. *3 credits.*

ELMP 6601 Organization and Administration of Education

Comprehensive principles, historical background and future perspectives. Innovative curricula, individualization and other new organizational patterns; general and clinical supervisory techniques and practices; human, technological and conceptual skills for effective school administrators; leadership patterns and pitfalls; generalist's view of school finances, school law, school business administration; human and public relations. *3 credits.*

ELMP 6665 Curriculum Development and Evaluation

Evolving concepts of the curriculum. Philosophy of curriculum development, principles and procedures, essential tools, preparation, approaches, direct and indirect influences. *3 credits.*

ELMP 6666 Supervision of Instruction and Evaluation

Theories, principles and practices that determine effectiveness, efficiency and humane supervision at all levels of education. Emphasis on clinical supervision, general supervision, new research in the field, and better techniques for observation, evaluation and in-service programs. *3 credits.*

ELMP 6761 Finance in Administration

Development of problems of school finance in the United States: sources of revenue, expenditures and indebtedness, fiscal problems, existing and proposed plans for school support. *3 credits.*

ELMP 7763 School Law

Designed to help teachers and school administrators understand their legal status in the school. Emphasis on legislation and school decisions regarding students' rights, teachers' rights and academic freedom. *3 credits.*

ELMP 7768 Microcomputers for Administrators

Introduction to use of microcomputers in school administration, including: computer literacy, computers in the curriculum, managing instruction, budgeting, scheduling, data base management systems and word processing. *3 credits.*

ELMP 7772 Leadership Dynamics: Analysis of Supervisory Behavior

Leadership traits, strategies and techniques used by administrators and supervisors to implement changes in our system of observation and evaluation. Theories, research results, clinical supervisory techniques and methods for humanely observing teaching practice, monitoring supervisory performance and evaluating in-service, internships and field experiences to improve instruction and reduce grievances. *3 credits.*

ELMP 7776 Curriculum Design and Engineering

Advanced course designed to provide program-engineering capability for elementary, secondary, and central office managers. Specific strategies for recasting curricula in light of the societal demands for accountability-based education. Innovative organizational patterns that foster learning, instructional interventions, individualization, personalization and mastery learning. *3 credits.*

ELMP 8891 Directed Research in Administration and Supervision

Presents research methodology and procedures in educational administration and supervision. Students develop a research project with the guidance of the professor. *3 credits.*

ELMP 8983 Leadership and Management Assessment

Diagnostic and prescriptive teaching model covering 12 critical skill areas of leadership and management. *3 credits.*

ELMP 9999 Culminating Research Seminar

Culminating research seminar designed to synthesize all coursework into a final major research project. *3 credits.*

OR

ELMP 8981 Administrative Internship

Administrative internship K-12 or higher education with permission of administrator and Department of Education Administration and Supervision. *3 credits.*

Master of Healthcare Administration

Academic Director: Philip S. DiSalvio, Ed.D.

Today's fast changing healthcare system has a critical need for managers with advanced managerial competencies and leadership skills. The Seton Hall University online Master of Healthcare Administration program prepares managers for these leadership roles within the healthcare industry.

Administered through the Center for Public Service in the College of Arts and Sciences, the online M.H.A. Program is designed around the student's professional interest and specialty. Providing a rigorous and thorough understanding of the healthcare environment, the program addresses real world strategies and skills that will help managers make significant contributions to their organizations.

The Master of Healthcare Administration Program is a member of the Association of University Programs in Health Administration (AUPHA), a national association of university-based educational programs, faculty, practitioners and provider organizations whose members are dedicated to continuously improving the field of health management and practice.

The 39-credit, 20-month M.H.A. program curriculum consists of five competency areas and a concentration capstone project selected by the student. Three on-campus weekend residencies are required.

Admission Requirements

An admissions committee comprised of faculty in the M.H.A. program will evaluate each applicant based on the following criteria:

- a baccalaureate degree from an accredited college or university with an undergraduate GPA of 3.0 or equivalent;
- healthcare managerial experience;
- three letters of recommendation from academic and professional references;
- letter of intent explaining reason for applying to program;
- current resume; and
- if graduated from a baccalaureate program within the last five years, test scores from GRE (aptitude), GMAT or LSAT are required.

For additional information, visit the SetonWorldWide Web site at www.setonworldwide.net or contact Susan Spencer, assistant academic director, at (973) 275-6236 or e-mail spencesu@shu.edu, or contact James Howard, program director, at (973) 275-2559 or e-mail howardjj@shu.edu

Course Descriptions

Competency areas:

Managing Change

PSMA 7511 Introduction to the Healthcare System

Systematic introduction to the healthcare system with an emphasis on interactions of government authorities, delivery systems, financing of health care, regulation, competition, organizational innovations in healthcare services and alternative strategies. *3 credits.*

PSMA 7513 Healthcare Management

The role of the contemporary healthcare manager with emphasis on identifying the basic managerial skills and knowledge that contribute to effective healthcare management. Examination of comparative international systems. *3 credits.*

Financial

PSMA 6005 Financial Management and Control

An introduction to basic financial, budgetary and accounting concepts, processes and techniques relevant to healthcare managers; how and why financial decisions are made; how they affect healthcare operations; use of financial documents and analysis. *3 credits.*

PSMA 7514 Healthcare Financial Management and Accounting

Principles of accounting as applied to healthcare organizations and study of the use of accounting as a healthcare management tool. Financial realities unique to health service organizations with emphasis on healthcare financial management concepts and terms, healthcare financial management techniques and their use, and the interpretation and analysis of financial information in healthcare organizations. Prerequisite: PSMA 6005 or permission of the instructor. *3 credits.*

Analytic

PSMA 6002 Research Methods and Statistical Analysis

Introduces both quantitative and qualitative research methodologies. Topics include descriptive and inferential statistics, issues in sampling and hypothesis testing, analysis of variance, regression and time series analysis, as well as survey design. Computer software is used for statistical analysis. *3 credits.*

Decision Making

PSMA 6009 Managerial Decision Making

Introductory course in applied game theory. Introduces students to decision trees, Nash equilibria, winning strategies, tit-for-tat, auction theory and end-games. Competitive scenarios are an intrinsic part of the course, as are problem sets and simulations. *3 credits.*

PSMA 8514 Healthcare Economics

The use of economic theory to understand problems of organization, delivery and financing of healthcare services, with emphasis on the shift toward a market economy, and the application of economic principles and tools of economic analysis useful to the healthcare manager. *3 credits.*

Strategic Leadership

PSMA 8512 Ethics in Health Care: Clinical, Legal, Policy and Professions

Emphasis on medical and healthcare ethics, involving clinical practice, legal dimensions, public policy and professional responsibilities and decision-making. *3 credits.*

PSMA 8517 Strategic Planning and Marketing in Healthcare Organizations

Study of the roles, functions and application of strategic planning and marketing in healthcare organizations with special emphasis on the process of strategy assessment, development and implementation and the unique aspects of healthcare services and service design/performance as they affect marketing. *3 credits.*

Concentration Specialty

Students customize their online M.H.A. degree by completing a capstone project organized around a specialty interest. Working concurrently with coursework, students complete a reading course on topics relevant to the healthcare manager, design a project around their areas of interest and present their project for publication and/or presentation to their organization or professional association. The completed project affords students an opportunity to make a substantial contribution to their organization and their profession.

Master of Arts in Strategic Communication and Leadership

Academic Director: Patricia Kuchon, Ph.D.

Effective communication is essential for business success. Senior executives are expected to have the communication and leadership skills necessary for outstanding achievement. Each day, key executives and managers face the demands brought about by global markets, a diverse workplace and the explosion of electronic media technology.

Seton Hall University's online Master of Arts in Strategic Communication and Leadership program provides a team-based, interactive curriculum to enable these professionals to study, discuss and develop strategies and solutions to current issues in effective leadership and communication.

This 36-credit, 20-month program consists of five sequential intensive learning modules, which include extensive online interaction with peers as well as experts in specialized disciplines. In addition, an individualized skills component to enhance presentation and writing is conducted throughout the entire program. Three on-campus weekend residencies also are required.

Learn Today, Apply Today

Because the MASCL is built for working managers, we chose to focus our course content on communication challenges that they currently face. Our philosophy is "learn today and apply today." Programs should combine theory closely with practice. After all, both business and communication are practical skills. The MASCL program gives students the opportunity to learn, build and enhance those skills.

The MASCL educational strategy utilizes case study analysis of current, reality-based organizations and situations and is dedicated to providing the student with immediately useful executive tools. The additional advantage of the group threaded discussions, Web-based contemporary resources and a faculty qualified by both academic and business credentials provide the student with an optimum learning experience.

Admission Requirements

The ideal candidate for the Master of Strategic Communication and Leadership is an individual with eight to ten years of significant experience in a corporate, military, governmental or nonprofit environment. That individual is now ready for a promotion and seeks to develop and enhance his/her communication skills in preparation for greater responsibilities. An admissions committee, comprised of faculty in the MASCL program, will evaluate each applicant on the following criteria:

- a completed application that includes a short essay (500 words) stating the candidate's goals for engaging in such a learning experience;
- a baccalaureate degree from an accredited college or university;
- transcripts from all institutions attended;
- letters of nomination, one from a current colleague (preferably a supervisor) and one from a former colleague or supervisor; and
- a work sample in any medium that demonstrates the candidate's excellence in his/her field.

For additional information, visit the SetonWorldWide Web site at www.setonworldwide.net or contact Karl Soehnlne, assistant academic director, at (973) 275-6237 or e-mail soehnlne@shu.edu, or contact Helen Hamilton, assistant program director, at (973) 275-2419 or e-mail hamilthe@shu.edu

Course Descriptions

COMM 8520 Strategic Communication and Leadership

This module introduces both practical and theoretical applications of leadership and communication. The implementation of organizational communication systems, the continuous development of an effective work team, and the applications of risk-taking and decision-making are all explored in detail and from a practical application perspective and supplemented with a wide spectrum of executive tools. *6 credits.*

COMM 8521 Organizational Leadership, Management and Communication

Essential organizational dynamics are explored and analyzed in detail to enable the successful executive to be the architect of organizational change. Moreover, the module provides methods for introducing new strategies, strategies for aligning vision and goals through effective communication, and techniques for the leader to establish meaningful organizational value systems. *6 credits.*

COMM 8522 Leadership Communication Strategies

The modern leader must contend with change and crisis on a daily basis, while trying to effectively contribute to the development of a progressive organization. The practical mastery of interviewing and selection techniques, performance evaluation and maximization, and strategies for managing staff commitment are all essential tools, which are presented in a "real-world", readily applicable fashion in this module. *6 credits.*

COMM 8523 Diversity and Globalization

Communication challenges in the diverse workplace and global marketplaces are identified as opportunities for organizational enrichment. Issues related to cross-cultural communication and gender, age and other diversity issues are examined, with a focus on the synergy of talent, varying perspectives and the relevant psycho-social dynamics inherent to developing sound leadership and staff relations. *6 credits.*

COMM 8524 Strategic Planning

This module examines the role of the executive in creating leadership and communication plans for success. The development, formulation and communication of effective strategic plans are explored as well as the processes of developing and monitoring feedback systems using communication channels and techniques. Each learning team member prepares and communicates a strategic plan relevant to their own organization and leadership responsibilities. *6 credits.*

COMM 8525-8527 Communication Excellence - Individual Skills Coaching through all Modules

The faculty team for each module includes a writing specialist and a presentations coach who work in concert with the learning team and the core curriculum professors in developing the student's skills in these vital areas. The MASCL Program graduate will have significantly enhanced communication skills and a personal strategy for continued success. *6 credits.*

Master of Science in Nursing

Academic Director: Wendy Budin, R.N., Ph.D.

AREA OF CONCENTRATION

Nurse Practitioner

The current healthcare climate echoes rapid change in patient care services nationwide. This change presents unparalleled opportunities for nurses to be on the forefront of advanced practice and become leading decision-makers of health care in the 21st century. Our nationally ranked nurse practitioner program will prepare you with advanced clinical and leadership skills to meet the challenges of the new millennium.

The online nurse practitioner program is designed for nurses who wish to balance graduate education with career, family and personal responsibilities. Students are able to study the didactic portion of the program in their homes at their own convenience. The clinical practice is provided within the students' local community. Students residing outside the NJ/Tri-state area will be responsible for locating their clinical placement sites. The student's faculty mentor will be available to assist in choosing clinical sites and preceptors that are compatible with the students' learning needs. The students will be able to access technical support, libraries and consultation with faculty through state-of-the-art technology.

The 43 - 46-credit M.S.N. curriculum is offered in the following specialty areas:

- Adult Nurse Practitioner
- Gerontological Nurse Practitioner
- Pediatric Nurse Practitioner
- Women's Health Nurse Practitioner
- Acute Care Nurse Practitioner

Accreditation

The Online Master of Science in Nursing is administered through the Seton Hall University College of Nursing.

The National League for Nursing and the Commission on Collegiate Nursing Education accredits the M.S.N. nurse practitioner program. All nurse practitioner graduates are eligible to apply for New Jersey State advanced practice certification. Graduates take the advanced practice examination appropriate for their specialty area.

Library

Students will have access to information directly related to the Nurse Practitioner Program by direct access to the Seton Hall University Library via the World Wide Web. Full text articles through a variety of electronic databases and Seton Hall journals

also will be readily available to the students. These resources offer students a wealth of information, vast opportunities and helpful assistance when needed. Students can search a multitude of databases from home or they can launch into the Internet. The SetonWorldWide staff will provide instruction in assessing and utilizing library resources.

Orientation to the Program

Prior to the start of the first course, students will spend a weekend on the Seton Hall University campus in South Orange for orientation to the program. Students will meet with the program director, faculty, staff and student colleagues. Included will be a tour of the campus, a library orientation and a hands-on experience using the multimedia technology that will be utilized in students' coursework.

Nurse Practitioner and Physician Preceptors

Clinical practice will be located in the student's home geographical area. Students residing outside the New Jersey/Tri-state area will be responsible for locating clinical placement sites. The student's faculty mentor will be available to assist in choosing clinical sites and preceptors who are compatible with the student's learning needs. Preceptors chosen are nurse practitioners or physicians who demonstrate expertise within their specialty area and agree to share the responsibility for the clinical teaching and learning process. The faculty mentor and clinical preceptor are both responsible for evaluating the student's progress in meeting the objectives of the clinical practicum.

Criteria for Admission:

- graduation from an NLN-accredited baccalaureate program in nursing;
- submission of a resume and goal statement;
- cumulative "B" average, plus a "B" average in nursing courses;
- a score at or above average level for graduate nursing students on the Miller Analogies Test (MAT). Satisfactory GRE scores also are acceptable if taken;
- current malpractice insurance prior to clinical courses;
- two letters of recommendation; and
- completion of a basic statistics course (prior to beginning the graduate nursing research course) and an undergraduate nursing research course.

All interested applicants are encouraged to apply for admission to the program. Each applicant's record is evaluated individually.

Tuition

Tuition includes all fees, except for the application fee, and all expenses, including books and other materials, plus room and meals for three face-to-face, on-campus weekend residencies. Travel expenses for the weekends and computer equipment, software and Internet access are not included. Reduced tuition-cost per student can be offered to organizations sponsoring a full learning team of students as part of a customized curriculum. A deposit of \$1,500 is required on admission to the program. This NONREFUNDABLE deposit guarantees space in the program, and is credited toward the total cost of the program.

Financial

Financial aid payment plans are available for students interested in paying their tuition on a monthly basis or those interested in a loan program. Visit the College of Nursing Web site at nursing.shu.edu and the SetonWorldWide site at www.setonworldwide.net for complete tuition and financial aid information.

For additional information, visit the SetonWorldWide Web site at setonworldwide.net or contact Maureen Blue, assistant academic director, at (973) 761-9000 (ext. 9506) or e-mail bluemaaur@shu.edu, or contact Denise Kirkconnell, assistant program director, at (973) 761-9000 x9292 or e-mail kirkcode@shu.edu

Course Descriptions**NURS 6123 Nursing Theory**

This course will provide an introduction to the nature of knowledge and theory through study of selected major philosophical and theoretical orientations that provide the foundation for nursing practice. *3 credits.*

NURS 6124 Forces in Health Care

Examines the issues and concepts relevant to understanding the relationships between social networks, biomedical ethics and health policy. *3 credits.*

NURS 6221 Health Concepts for Aging

This didactic course is designed to explore issues related to care of the elderly, including healthful aging, and issues related to chronic illness and frailty. Age related changes and the biopsychosocial theories of aging will provide the foundation for understanding key aspects of healthful aging. Principles of evidence-based practice will be utilized to explore the management of chronic health problems unique to the older adults. An analysis of public policy and the impact of the prospective payment system in long-term care will highlight the constraints of healthcare services to institutionalized and community residing elders. *3 credits. (Geriatric NP only)*

NURS 6223 Health Promotion

Comprehensive healthcare needs identified for individuals of all ages. Current and evolving healthcare delivery. *3 credits.*

NURS 6411 Advanced Clinical Pathophysiology

Pathogenesis of major conditions will be presented. Symptoms and signs of clinical situations will be analyzed and discussed in order that the student may have an understanding of the etiology of health deviations as well as a cognizance of the rationale for their management. *3 credits.*

NURS 6415 Clinical Pharmacology

Provides a working knowledge of pharmacotherapeutics, with emphasis on therapeutic needs of the ambulatory client, from childhood through older years. Basic concepts in qualitative and quantitative drug actions within the body. *3 credits.*

NURS 7141 Nursing Research I

Critique of published studies and student proposals. Students develop clinically oriented, theoretically based research proposals. Emphasis on the nature of scientific inquiry, role of research in knowledge and theory development, as well as ethics in research. Prerequisite: NURS 6123. *3 credits.*

NURS 7143 Nursing Research II

Opportunity to carry out a research proposal. Students either choose a research proposal and implement and interpret it in light of the identified theoretical or conceptual base; or apply a research finding in a practice setting, implementing, evaluating and documenting the change phenomenon. Emphasis on the research approach to professional practice. Prerequisite: NURS 7141. *2 credits.*

NURS 7144 Nursing Research Colloquium

Focus on the interpretation of data analysis and the finalization and presentation of the research project to peers and faculty. Prerequisite: NURS 7141. *1 credit.*

NURS 7235 Clinical Decision Making

This course focuses on the interpretation of radiographic, hemodynamic, cardiovascular, neurologic, respiratory tests as well as miscellaneous laboratory findings. This course is basic to determining a differential diagnosis in conjunction with data obtained from the comprehensive history and physical examination. Students will develop a systematic framework for diagnostic reasoning. Students analyze sets of data and formulate a listing of patient problems. *2 credits.*

NURS 7240 Primary Healthcare Theory: Women

Provides the knowledge and skills to formulate clinical judgments needed to initiate, manage and evaluate primary healthcare regimens for women of all ages. Course integrates the concepts of health promotion and health maintenance. NURS 6123, 6124. *3 credits.*

NURS 7242 Primary Healthcare Theory: Younger Years

Students acquire theory to initiate, manage and evaluate primary healthcare regimens for children and adolescents. Prerequisites: NURS 6223, 7331. *3 credits.*

NURS 7243 Primary Healthcare Theory: Older Years

Students acquire theory to initiate, manage and evaluate primary healthcare regimens for adults and the aged. Prerequisites: NURS 6223, 7331. *3 credits.*

NURS 7244 Advanced Primary Healthcare Theory: Younger Years

Focus on application of current theory relevant to primary healthcare nursing management of the developing individual from birth through adolescence, with a long-term healthcare deviation. Prerequisite: NURS 7242. *3 credits.*

NURS 7246 Advanced Primary Healthcare Theory: Older Years

Content directed toward acute presentation of illness and complex health problems of adults and the aged. Role of the clinical nurse specialist in the care and management of frail elders and their support systems in institutions and the community.

Prerequisite: NURS 7243. 3 credits.

NURS 7249 Advanced Primary Healthcare Theory: Women's Health

This course focuses on providing the knowledge and skills to formulate clinical judgments needed to initiate, manage and evaluate primary healthcare regimens for women during pregnancy and postpartum. Complications of pregnancy and problems of high-risk pregnant women are included. Prerequisites: NURS 7240, 7347. Corequisite: NURS 7359. 3 credits.

NURS 7250 Acute Care Theory

This course focuses on the diagnosis and management of the illness trajectory of patients with chronic conditions. Diagnosis and management of select chronic conditions will be discussed via case scenarios. Risk factor modification is included for leading causes of morbidity and mortality spanning ages from older adolescents to the elderly, with special considerations for ethnic minorities. 3 credits.

NURS 7252 Advanced Acute Care Theory

This course focuses on acute care through rehabilitation using a case management approach. The content focuses on acute conditions: cardiovascular, respiratory, GI and renal disease, trauma and neuroendocrine emergencies. Students learn to diagnose and manage patients with acute conditions in collaboration with physicians. Research utilization is incorporated. Family dynamics are included. Special considerations for ethnic minorities and the age range of late adolescents to the elderly are incorporated. 3 credits.

NURS 7332 Advanced Health Assessment Practicum I: Women's Health

Students acquire mastery of comprehensive assessments skills, which include physical, psychological, development and functional appraisal of adults. Students practice in the college laboratory, clinics and ambulatory settings. Corequisite: NURS 6223, NURS 6411. 3 credits.

NURS 7333 Advanced Health Assessment Practicum I: Older Years

Opportunity to gain understanding and practice of the expanded nursing role. Emphasis on preventive care and health maintenance. Students acquire mastery of comprehensive assessment skills with well adults and the aged. Corequisites: NURS 6223, 6411. 3 credits.

NURS 7334 Advanced Health Assessment Practicum I: Younger Years

Focus is on theory and techniques for assessment of child health status, child development and level of child functioning. Opportunity for clinical practice with well children in performing behavioral, developmental, functional, environmental and physical assessment. Corequisites: NURS 6223, 6411. 3 credits.

NURS 7338 Advanced Health Assessment Practicum 1: Acute Care

Provides the student with an opportunity to gain mastery of comprehensive assessment skills. The focus is on the history and physical exam as it relates to acute care nurse practitioner practice. The psychosocial, cultural and developmental aspects of care also are addressed. 3 credits.

NURS 7343 Graduate Nursing Practicum II: Primary Health Care: Older Years

Opportunity to practice in ambulatory care to build primary healthcare skills in clinical assessment, diagnostic decision making and management of adults or aged who have minor, acute, common, uncomplicated or chronic stabilized illness. Prerequisite: NURS 7333. Corequisite: NURS 7243. 3 credits.

NURS 7344 Graduate Nursing Practicum II: Younger Years

Opportunity to practice in selected ambulatory care sites for the purpose of building clinical appraisal, diagnostic decision-making and management skills with healthy children, children who are experiencing minor acute illness and their families. Clinical seminar provides opportunity for case presentation and advanced nursing practice role analysis. Prerequisite: NURS 7334. Corequisite: NURS 7242. 3 credits.

NURS 7348 Graduate Nursing Practicum II: Acute Care

Students will begin to function in the role of ACNP. Students will be involved in team rounds, working with health professionals. Desired experiences are settings where patients have chronic conditions or stabilizing acute conditions. Seminars will focus on case studies relevant to content in Advanced Acute Care Theory. Case management is stressed. Seven clinical hours and two hours of seminar per week. 3 credits.

NURS 7356 Graduate Nursing Practicum III: Primary Health Care: Older Years

Focus is on continued development of primary healthcare skills. Students continue to provide primary healthcare services to well, acute and chronically ill clients. Prerequisite: NURS 7343. Corequisite: NURS 7246. 3 credits.

NURS 7357 Graduate Nursing Practicum III: Younger Years

Opportunity for practice with children with long-term health deviations in schools and specialty clinics within a family and community context. Emphasis is on development of a therapeutic regimen and continuity of care based upon in-depth assessment. Seminar provides format for case analysis and development of a collaborative role model. Prerequisites: NURS 7242, 7344. Corequisite: NURS 7244. 3 credits.

NURS 7360 Graduate Nursing Practicum III: Acute Care

This practicum course emphasizes strategies for the ongoing assessment and management of clients. All settings are inner city with multicultural groups. Students will carry a case load of patients with both acute and chronic illnesses in the tertiary care setting, including the critical care areas. New procedures/tests will be performed as per the following approach: (1) observe and assist, (2) perform with assistance and (3) perform with supervision. Seven clinical hours and two hours of seminar per week. 3 credits.

NURS 7363 Graduate Nursing Practicum IV: Older Years

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of care to adults or aged in a setting of choice. Focus is on leadership and change strategies in a sociopolitical and legal environment. Prerequisites: NURS 7356, 7243. *3 credits.*

NURS 7364 Graduate Nursing Practicum IV: Younger Years

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of care to children and their families in a variety of settings. Focus is on leadership and change strategies in a sociopolitical and legal environment. Prerequisites: NURS 7357, 7244. *3 credits.*

NURS 7369 Graduate Nursing Practicum IV: Acute Care

The focus of this clinical course is on the acute care nurse practitioner's management of critically ill adults and their families from critical illness onset through rehabilitation or resolution. Case management is holistic and incorporates the family, critical care and long-term institutions and the community. The application of complex technologic care is emphasized and analyzed. This course affords the learner continued opportunity to collaborate with clinical nurse specialists in the care of critically ill adults and their families in healthcare institutions and the community. *3 credits.*

NURS 7449 Final Role Practicum: Acute Care

The focus on this fifth and final practicum is on solidifying functioning as an acute care nurse practitioner. Students manage a case load of clients under the guidance of faculty and preceptors. Critical thinking and conceptual model integration are incorporated, as are current research findings. *3 credits.*

NURS 7450 Graduate Nursing Practicum II: Women's Health

Opportunity to gain skills in providing sound scientifically based primary health care to women. Students participate in the care of women (from adolescence to the advanced years) who are well, have common or minor illnesses, or are experiencing common gynecological disorders. They assess, execute and manage the health/illness care of clients based on analysis of findings from health histories, physical, developmental and behavioral assessments. Prerequisite: NURS 7332. Corequisite: NURS 7240. *4 credits.*

NURS 7451 Graduate Nursing Practicum III: Women's Health

With faculty guidance and preceptorship supervision, students begin to manage women and uncomplicated pregnancies and actively care for women who are well, have common minor illnesses, or are experiencing common gynecological disorders. The opportunity to test and utilize theoretical concepts in primary healthcare practice and to develop competencies in clinical judgment. *4 credits.*

NURS 7452 Graduate Nursing Practicum IV: Women

Opportunity to integrate, synthesize and demonstrate expert clinical judgment and decision making in the provision of providing health care to women. Focus is on mastery of skills and leadership strategies. A variety of clinical settings are utilized. Prerequisites: NURS 7249, 7359. *4 credits.*

NURS 7453 Advanced Professional Role Enactment within Healthcare Systems

This course will focus on sensitizing the nurse practitioner student to the emerging and ever-changing role of the Advanced Practice Nurse. Students will explore the societal, economic and politico-legal developments affecting acceptance and utilization of the nurse practitioner role. Issues related to role development, leadership skills and case management for diverse client populations are analyzed. *2 credits.*

Bachelor of Science in Nursing for R.N.'s

Academic Director: Linda Ulak, Ed.D., R.N.

The online R.N./B.S.N. program is designed for the busy R.N. graduate of an associate degree or diploma nursing program who seeks to obtain a Bachelor of Science in Nursing. In total, the program requires 125 credit-hours for graduation. These credit-hours include 56 Arts and Sciences credit-hours, 34 nursing credit-hours and 32 credit-hours granted for obtaining R.N. licensure. Three credits for Health Assessment will be waived with proof. Working with an adviser, students will be guided in the selection of the appropriate courses to meet the degree requirements. Only nursing credit-hours are offered online.

The online R.N./B.S.N. program has both theory and clinical components. Theory coursework is completed in the online format and the clinical component is completed in the student's choice of settings, with faculty consultation.

Program Description

The online R.N./B.S.N. program is for R.N.'s who have graduated from either a diploma or an associate degree nursing program and would like to have their baccalaureate degree in nursing (B.S.N.). The online R.N./B.S.N. program is administered through the Seton Hall University College of Nursing. Accredited by the National League of Nursing and the Commission on Collegiate Nursing Education, the online R.N./B.S.N. program is a rigorous, high-quality undergraduate degree program developed for the R.N. who seeks to obtain the B.S.N. degree.

Strategies that Support Learning

The online program is identical to the on-campus program and at graduated distant learning sites throughout New Jersey. While the online R.N./B.S.N. and the on-campus course objectives are the same, the instructional delivery methodologies in the online degree program differ. Instructional delivery is primarily Web-based in a password-protected environment. The coursework is supplemented through a learning package that may include audio, video or other media. Three on-campus weekend residencies are required during the five-semester program.

Tuition

Tuition includes all fees, except for the application fee, and all expenses, including books and other materials, plus room and meals for three face-to-face, on-campus weekend residencies. Travel expenses for the weekends and computer equipment,

software and Internet access are not included. Reduced tuition cost per student can be offered to organizations sponsoring a full learning team of students as part of a customized curriculum. A deposit of \$1,500 is required on admission to the program. This NONREFUNDABLE deposit guarantees space in the program, and is credited towards the total cost of the program.

Financial

Financial Aid payment plans are available for students interested in paying their tuition on a monthly basis or those interested in a loan program. Please visit the College of Nursing Web site at nursing.shu.edu and the SetonWorldWide site at www.setonworldwide.net for complete tuition and financial aid information.

Admission Requirements

In addition to having completed a diploma or associate degree in Nursing, the following are needed for acceptance into the program:

- a completed application with a \$45 non-refundable fee. Online applications (\$50) are available;
- a GPA of 2.5 or equivalent;
- two letters of recommendation from academic and professional references; and
- resume or curriculum vitae.

Program Design and Curriculum

The entire program requires 125 credits for graduation:

- 56 credits for Arts and Sciences - can be credited to the student, based on what has been accomplished in the student's diploma or associate degree program;
- 32 credits can be granted towards the R.N. licensure;
- 3 credits can be granted towards proof of current Health Assessment Skills; and
- The remaining 34 credit nursing courses are earned online through the SetonWorldWide R.N. to B.S.N. Online Program.

The R.N. to B.S.N. Online Program is a five semester program with both theory and clinical components for some courses. The student's clinical experience will be at geographic location of the student's choice, with guidance from a faculty adviser. Attendance at three weekend residencies is required for the program. These weekends are geared toward interacting with classmates and faculty, learning about the online resources, receiving books and coursework materials and becoming oriented to online delivery system.

For additional information, visit the SetonWorldWide Web site at www.setonworldwide.net or contact Fellella Millman, M.S.N., R.N., assistant academic director, at (973) 275-2118 or e-mail millmafe@shu.edu, or contact Renee Cicchino, assistant program director, at (973) 275-2359 or e-mail cicchire@shu.edu

Course Descriptions

NURN 3001 Professional Nursing I

The interrelationships between nursing theory, practice, education and research are discussed as foundations for understanding nursing theorists, the nursing process, and the impact of nursing research on practice. Current and emerging roles and responsibilities of the professional nurse are compared and contrasted with other nursing roles as well as with other health professionals. *6 credits.*

NURN 4017 Community Health Perspectives

The course focuses on community-based health care, roles and functions of the community and public health nurse, developing partnerships with community organizations, healthcare delivery systems, levels of prevention, and health promotion and risk models. Consideration is given to epidemiology, communicable diseases, healthcare services and resources in relationship to the social, political and cultural environment. The course focuses on specific groups such as the chronically ill and disabled, children, elderly, homeless, the working population, disaster victims and rural communities, and addresses community health problems including violence, addictions and teenage pregnancy. *5 credits.*

NURN 4020 Professional Nursing II

This course focuses on knowledge and skills derived from leadership and management as they are translated and integrated into professional nursing practice within the contemporary healthcare delivery system. Specific issues and trends in healthcare delivery, in general, and nursing, in particular, are analyzed. *6 credits.*

NUTC 2012 Health Promotion Across the Lifespan

Students will implement strategies to promote healthy lifestyles and prevent injury and disease in individuals in various community settings. Content focuses on health throughout the lifespan, risk assessment and screening, and health promotion resources. Clinical content includes performing risk assessments and applying nursing interventions to assist individuals to meet their health needs and optimize health. *4 credits.*

NUTH 1001 Group Dynamics

This course is designed to assist students to apply psychological, cultural and behavioral concepts to the study of group interaction. Principles of dealing with small groups in a variety of sociocultural settings are examined in order to maximize students' ability to comprehend the interactive factors that influence group behaviors and to become effective group participants. *2 credits.*

NUTH 1003 Culture and Health

Culture specific strategies will be reviewed for teachings and interventions for health promotion and disease management; healthcare systems will be examined in light of meeting culture-specific needs. This course aims to increase cultural awareness, cultural sensitivity, and cultural competency among healthcare students. *3 credits.*

NUTH 3002 Gerontological Nursing

This course will focus on the aging process from both biological and social perspectives. Discussions will include patterns of normal aging as well as common pathological conditions and health problems faced by the elderly. *2 credits.*

NUTH 3003 Research in Nursing

This course introduces the undergraduate nursing student to the research process and ethical issues related to nursing research. The student will acquire skills necessary to read, interpret, evaluate and critically analyze nursing research studies in view of their use in nursing practice. *3 credits.*

NUTH 3004 Economic Concepts for the Professional Nurse

This course will focus on the structural, financial, and managerial foundations of integrated healthcare delivery systems. Students will identify major revenue streams, payer sources, and regulatory topics such as entitlement programs, DRGs and prospective payment systems. The basic concepts of insurance, utilization and case management, and contractual commitments will be covered. *3 credits.*

University College

Associate Provost: Charles D. Edinger, M.B.A., M.Div.
Kozlowski Hall
(973) 313-6184
E-Mail: edingech@shu.edu

University College, a unit within Seton Hall University's Division of Academic Affairs, was originally founded in 1937 to serve the "non-traditional" degree and non-degree student. With particular emphasis upon learning in the corporate and institutional environments, technology mediated learning plays an important role in the delivery of programs, both through SetonWorldWide academic programs and through the Center for Professional Education.

SetonWorldWide

SetonWorldWide, a unit within University College, serves as Seton Hall University's online campus. Embodying the University's commitment to learning technologies, SetonWorldWide works collaboratively with on-campus academic programs in the development and support of technology mediated degree and certificate programs. Please see the SetonWorldWide section of this catalogue for online degree listings.

Center for Professional Education

The Center for Professional Education provides professional, continuing education, corporate learning and consulting services to corporate and institutional clients. The Center sponsors a wide variety of non-academic certificate programs, seminars, workshops and conferences on topics of interest to business leaders and offers full-scale consulting services on human resource issues, insurance, marketing and business development. All professional education offerings can be delivered in-house, online, through internet-based videoconferencing or on premises, and can be customized for the client's unique needs.

Insurance and Risk Management Institute

The Insurance and Risk Management Institute, a unit of the Center for Professional Education, addresses the special needs of insurance, financial services businesses, and the risk and finance functions of organizations throughout the world. In addition to specialized seminars, workshops and conferences, the Institute offers license services, including pre-license classes and continuing education for license renewal.

Directory

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University Offices and Departments:

Seton Hall University

400 South Orange Avenue
South Orange, New Jersey 07079
(973) 761-9000

Academic Services

Presidents Hall
(973) 761-9363
Manager: Ann Sarno

Accounting, M.S. in

Kozlowski Hall
(973) 761-9647
Director: James Greenspan

Administrative and Auxiliary Services

Bayley Hall
(973) 761-9762
Assistant Vice President: Roger Demareski

Admissions

See Enrollment Services

Affirmative Action

Presidents Hall
(973) 761-9284
Contact: Richard Hill

African-American Studies, Department of

Arts and Sciences Building
(973) 761-9411
Chair: William Sales

Alumni Relations

Ring Building
(973) 378-9822
Assistant Vice President: Joe Burt

American Humanics

Kozlowski Hall, Arts and Sciences Hall
(973) 275-2073, (973) 761-9384
Co-Chairs: Joseph Marbach, Roseanne Mirabella

Archaeological Research Center for New Jersey, The

Fahy Hall
(973) 761-9543

Archives, University

Walsh Library
(973) 761-9476
Contact: Alan Delozier

Arts Administration, M.P.A. in

Kozlowski Hall
(973) 761-9510

Arts and Sciences, College of

Fahy Hall and Arts and Sciences Hall
(973) 761-9022
Dean: Molly E. Smith

Asia Center, The

Alfieri Hall
(973) 275-2304
Director: June C. Yoon

Asian Studies, M.A. in

Fahy Hall
(973) 761-9469
Chair: Gilbert Mattos

Athletics and Recreational Services

Recreation Center
(973) 761-9498
Athletic Director: Jeffrey Fogelson

Athletic Training Education Program

McQuaid Hall
(973) 275-2051
Program Director: Carolyn Goeckel

Audiology Program

McQuaid Hall
(973) 275-2825
Chair: Janet D. Koehnke

Biology, M.S. in

McNulty Hall
(973) 761-9044
Athletic Chair: Sulie Chang

Board Affairs

Presidents Hall
(973) 761-9203
Executive Vice President for Administration: Mary Meehan

Budget Office

Bayley Hall
(973) 761-9318
Controller: John Passaro

Bursar

See Enrollment Services

Business Administration, Master of

Kozlowski Hall
(973) 761-9222

Business Affairs and Auxiliary Services

Bayley Hall
(973) 761-9002
Director: Dan Taylor

Business, Stillman School of

Kozlowski Hall
(973) 761-9013
Dean: Karen E. Boroff

Campus Ministry

Boland Hall
(973) 761-9545
Director: Reverend James F. Spera

Card Access Services (I.D. Office)

Duffy Hall
(973) 761-9771
Manager: Paul T. Kraska
Card Access Clerk: Dolores DeDeo

Career Center, The

Bayley Hall
(973) 761-9355
Director: Jacqueline Chaffin

Center for Catholic Studies, The

Fahy Hall
(973) 275-2175
Director: Monsignor Richard Liddy

Center for College Teaching

Alfieri Hall
(973) 761-9304
Director: Albert Hakim

Center for Public Service

Kozlowski Hall, 5th Floor
(973) 761-9510
Director: Naomi Wish

Chemistry and Biochemistry, M.S., Ph.D. in

McNulty Hall
(973) 761-9414
Chair: Richard Sheardy

Communication, M.A. in Corporate and Public

Kozlowski Hall
(973) 761-9490
Director: Donald Lombardi

Community Development, Department of

Bishop Dougherty University Center
(973) 761-9076
Dean: Dawn Williams

Compliance Office

Presidents Hall
(973) 313-6132
Compliance Officer: James Gillson

Computer Training Center

Alfieri Hall
(973) 275-2164
Manager: William Otskey

Controller

Bayley Hall
(973) 761-9318
Controller: John Passaro

Cooperative Education/Internships

Bayley Hall - The Career Center
(973) 761-9355
Director: Jacqueline Chaffin
Associate Director: Reesa Greenwald

Counseling Services

Mooney Hall
(973) 761-9500
Director: Gail P. Pakalns

Diplomacy and International Relations, School of

McQuaid Hall
(973) 275-2515
Dean: Clay Constantinou

Education and Human Services, College of

Kozlowski Hall
(973) 761-9025
Dean: Joseph De Pierro

Education, Graduate Administrative Services

Kozlowski Hall
(973) 275-2854
Associate Dean: Reverend Kevin Hanbury

**Educational Administration and Supervision,
M.A., Ed.S., Ed.D., Ph.D. in**

Kozlowski Hall
(973) 761-9397
Chair: Charles Mitchel

Educational Studies, M.A., Ed.S. in

Kozlowski Hall
(973) 761-9394
Chair: William McCartan

English, Department of

Fahy Hall
(973) 761-9388
Chair: Martha Carpentier

English as a Second Language Program

Kozlowski Hall
(973) 761-9394
Director: William McCartan

Enrollment Services

(Admissions, Enrollment, Bursar, Financial Aid, Registrar)
Bayley Hall
(973) 761-9332
Associate Vice President: Thomas C. Green

Finance and Information Technology, Division of

Bayley Hall
 (973) 761-9011
 Vice President: Dennis Garbini
 Chief Information Officer: Stephen Landry

Financial Affairs

Bayley Hall
 (973) 761-9318
 Assistant Vice President: Craig Becker

Financial Aid

See Enrollment Services

General Counsel

Presidents Hall
 (973) 761-9190
 Vice President: Catherine Kiernan

Graduate Department of Public and Healthcare Administration

Kozlowski Hall
 (973) 761-9510
 Director: Naomi Wish

Graduate Medical Education, School of

McQuaid Hall
 (973) 275-2800
 Dean: John A. Paterson

Graduate Student Association

Bishop Dougherty University Center
 (973) 275-2937

Graduate Studies Support Services

Presidents Hall
 (973) 761-9699

Grants and Research Services, Office of

Presidents Hall
 (973) 275-2974
 Director:
 IRB Director: Mary F. Ruzicka

Health Sciences, Graduate Programs in

McQuaid Hall
 (973) 275-2076
 Chair: Genevieve Pinto-Zipp

Health Services

Boland Hall
 (973) 761-9175
 Director: Gail P. Pakalns

Healthcare Administration, Graduate Programs in

Kozlowski Hall
 (973) 761-9510

Help Desk, Technology

Corrigan Hall
 (973) 275-2222
 Manager: Michael Hajduk

Higher Education Administration, Ed.D., Ph.D in

Kozlowski Hall
 (973) 761-9397
 Chair: Charles Mitchel

Housing and Residence Life, Department of

Duffy Hall
 (973) 761-9172
 Director: Craig Allen

Human Resources, Department of

Presidents Hall
 (973) 761-9621
 Vice President: Deborah Raiques-Colbert

Immaculate Conception Seminary Library

(973) 761-9584
 Director: Monsignor James C. Turro

Institute for Service Learning

Kozlowski Hall, Arts and Sciences Hall
 (973) 275-2073, (973) 761-9384
 Co-Chairs: Joseph Marbach, Roseanne Mirabella

Internal Audit

Bayley Hall
 (973) 761-9731
 Director: Michael Garcia

International Business, Institute for

Kozlowski Hall
 (973) 761-9259
 Director: Héctor Lozada

International Business, M.S. in

Kozlowski Hall
 (973) 761-9259
 Director: Héctor Lozada

International Programs, Office of

Presidents Hall
 (973) 761-9081

Jewish-Christian Studies, M.A. in

Fahy Hall
 (973) 761-9751
 Chair: Reverend Lawrence Frizzell

Judaean-Christian Studies, Institute of

Fahy Hall
 (973) 761-9751
 Director: Reverend Lawrence Frizzell

Law, School of

One Newark Center
 Newark, New Jersey 07102
 (973) 642-8747 (Admissions)
 Dean: Patrick E. Hobbs

Media Services

Walsh Library
(973) 761-9554
Assistant Directors: Eva Gayle, Ronald E. J. Myzic

Museum, The Seton Hall University

Fahy Hall
(973) 761-9022

Museum Professions, M.A. in

Art Center
(973) 761-7966
Director: Barbara Cate

New Jersey Center for Law-Related Education

Kozlowski Hall
(973) 761-9093
Director: Arlene Gardner

New Jersey State Police Graduate Studies Program

Kozlowski Hall
(973) 761-9223
Director: Reverend Christopher J. Hynes

Nonprofit Organization Management, M.P.A. in

Kozlowski Hall
(973) 761-9510

Nonprofit Sector Resource Institute of New Jersey

Kozlowski Hall
(973) 761-9510

Nursing, College of

Schwartz Building
(973) 761-9014
Dean: Phyllis Shanley Hansell

Nursing, M.S.N., M.A. in

Schwartz Building
(973) 761-9266
Chair: Leona Kleinman

Occupational Therapy Program

McQuaid Hall
(973) 761-7145
Chair: Estelle B. Breines

Parking Services

Duffy Hall
(973) 761-9329
Manager: Paul T. Kraska

PC Support Services

Corrigan Hall
(973) 761-9551
Director: John Fernandez

Pirate Blue Athletic Fund

Ring Building
(973) 378-2681
Director: Joe Del Rossi

Physical Plant

Community House
(973) 761-9454
Director: Steve Kurtyka

Physical Therapy Program

McQuaid Hall
(973) 275-2051
Chair: Marc Campolo

Physician Assistant Program

McQuaid Hall
(973) 275-2596
Chair: Carol Biscardi

Physics, Department of

McNulty Hall
(973) 761-9050
Chair: Parviz Ansari

Planning Office

Presidents Hall
(973) 761-9205
Director: Donald Lombardi

President, Office of the

Presidents Hall
(973) 761-9620
President: Monsignor Robert Sheeran
Executive Vice President for Administration: Mary Meehan

Priest Community

Presidents Hall
(973) 761-9121
Minister: Reverend James Cafone

Procurement

Bayley Hall
(973) 761-9183
Director: Martin Koeller

Professional Development Institute for Teachers

Kozlowski Hall
(973) 275-2721
Director: Selma Brookman

Professional Development Program

Kozlowski Hall
(973) 275-2120

**Professional Psychology and Family Therapy, M.A., M.S., Ed.S.,
Psy.D., Ph.D. in**

Kozlowski Hall
(973) 761-9450
Chair: Bruce W. Hartman, Ph.D., APPP

Provost, Office of the

Presidents Hall
(973) 761-9655
Provost and Executive Vice President for Academic Affairs:
Mel J. Shay

Psychology, Department of

Kozlowski Hall
(973) 761-9484
Chair: Jeffrey Levy

Public Administration, Master's Degree in

Kozlowski Hall
(973) 761-9510

Public Relations and Marketing, Department of

Ring Building
(973) 378-9834
Assistant Vice President: Susan Diamond

Public Safety and Security, Department of

Security Building
(973) 761-9328
Assistant Vice President/Director: Patrick P. Linfante
Deputy Director: Donald Tauriello

Public Service: Leadership, Governance and Policy, M.P.A. in

Kozlowski Hall
(973) 761-9510

Puerto Rican Institute

Presidents Hall
(973) 761-9422
Acting Director: Frank Morales

Recreational Services

Recreation Center
(973) 761-9722
Athletic Director: Jeffrey Fogelson

Registrar

See Enrollment Services

Religious Studies, Department of

Fahy Hall
(973) 761-9331
Acting Chair: Reverend John F. Morely

School of Theology/Immaculate Conception Seminary

Lewis Hall
(973) 761-9575
Rector/Dean: Monsignor Robert F. Coleman

Setonian, The

Bishop Dougherty University Center
(973) 761-9083

SetonWorldWide

Kozlowski Hall
(973) 761-9086
Director: Philip DiSalvio

Social Work, Department of

Arts and Sciences Hall
(973) 761-9470
Chair: Emma Quartaro

Special Collections Center

Walsh Library
(973) 761-9476
Contact: Alan Delozier

Speech-Language Pathology and Audiology, Department of

McQuaid Hall
(973) 275-2825
Chair: Janet D. Koehnke

Sports Information, Office of

Recreation Center
(973) 761-9493
Assistant Athletic Director/Sports Communications:
Marie Wozniak

Sport Management, Center for

Kozlowski Hall
(973) 761-9707
Director: Ann Mayo

Sport Science, Department of

McQuaid Hall
(973) 275-2051
Chair: Marc Campolo

Student Affairs, Division of

Bishop Dougherty University Center
(973) 761-9075
Vice President: Laura A. Wankel

Student Support Services

Mooney Hall
(973) 761-9166
Director: Carol McMillan-Lonesome

Summer Session

Presidents Hall
(973) 761-9699

Tax Research, Center for

Kozlowski Hall
(973) 761-9428
Director: Brian Greenstein

Taxation, M.S. in

Kozlowski Hall
(973) 761-9428
Director: Brian Greenstein

Teaching, Learning and Technology Center

Walsh Library
(973) 275-2929
Director: Donald R. Carter

Technology Development, Institute for

Walsh Library, First Floor
(973) 313-6165
Director: Heather Stewart

270 Directory

Ticket Office, Athletic

Walsh Gymnasium

(973) 275-4255

Manager: Sara Pinard

Ticket Office, Theatre-in-the-Round

Bishop Dougherty University Center

(973) 761-9098

University Advancement, Office of

Ring Building

(973) 378-9813

Associate Vice President: Helen Cunning

University Affairs, Division of

Ring Building

(973) 378-9801

University Libraries

Walsh Library

(973) 761-9435

Dean: Arthur W. Häfner

Walsh Library Gallery

Walsh Library

(973) 275-2033

Director: JoAnn Cotz

Work, Institute on

Kozlowski Hall

(973) 313-6103

Co-Directors: Barrie Peterson and William Toth

Writing Center

Fahy Hall

(973) 761-9000 x7501

Director: Kelly Shea

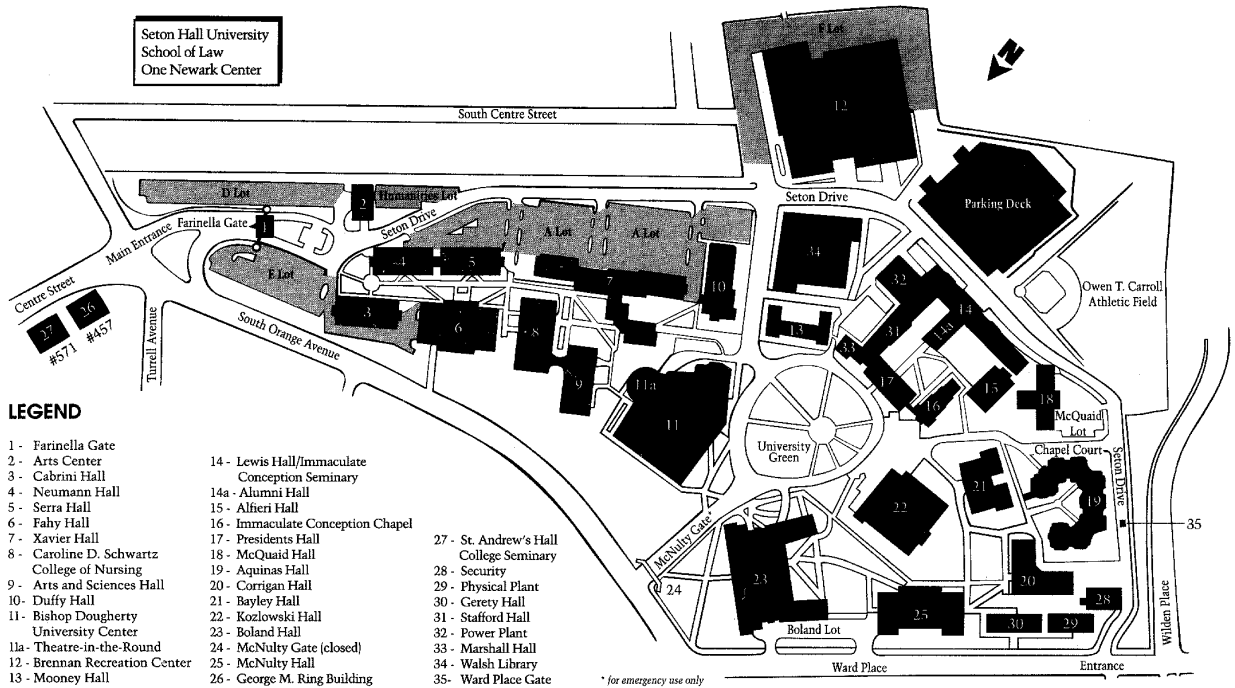
WSOU Radio Station

Recreation Center

(973) 761-9546

Faculty General Manager: Michael Collazo

Directions to the University



LEGEND

- 1 - Farinella Gate
- 2 - Arts Center
- 3 - Cabrini Hall
- 4 - Neumann Hall
- 5 - Serra Hall
- 6 - Fahy Hall
- 7 - Xavier Hall
- 8 - Caroline D. Schwartz College of Nursing
- 9 - Arts and Sciences Hall
- 10 - Duffy Hall
- 11 - Bishop Dougherty University Center
- 11a - Theatre-in-the-Round
- 12 - Brennan Recreation Center
- 13 - Mooney Hall
- 14 - Lewis Hall/Immaculate Conception Seminary
- 14a - Alumni Hall
- 15 - Alfieri Hall
- 16 - Immaculate Conception Chapel
- 17 - Presidents Hall
- 18 - McQuaid Hall
- 19 - Aquinas Hall
- 20 - Corrigan Hall
- 21 - Bayley Hall
- 22 - Kozlowski Hall
- 23 - Boland Hall
- 24 - McNulty Gate (closed)
- 25 - McNulty Hall
- 26 - George M. Ring Building
- 27 - St. Andrew's Hall College Seminary
- 28 - Security
- 29 - Physical Plant
- 30 - Gerety Hall
- 31 - Stafford Hall
- 32 - Power Plant
- 33 - Marshall Hall
- 34 - Walsh Library
- 35 - Ward Place Gate

By Car:

From 280 East

Take the Center Street, Orange Exit 11. Turn right onto South Center Street (South Center Street becomes Centre Street.) Follow it approximately 2 miles to the intersection of South Orange Avenue and Centre Street. Enter the University through the Farinella Gate across the intersection on South Orange Avenue.

From 280 West

Take Exit 11B, Day Street/Essex Avenue, Orange. Off-ramp becomes Freeway Drive West. Make a left at the second light onto South Day Street (Joyce Carnegie Place). Make a left at the next light onto Freeway Drive East. Turn right at the next light onto South Center Street. (South Center Street becomes Centre Street.) Follow it approximately 2 miles to the intersection of South Orange Avenue and Centre Street. Enter the University through the Farinella Gate across the intersection on South Orange Avenue.

From 78 East (Local)

Take Exit 49B (Maplewood). Stay to the right off the exit. Make the second right, which is a jug handle, and cross over Springfield Avenue onto Valley Street. Take this street approximately 3 miles to South Orange Avenue. Turn right and proceed 1 mile to the University. Enter through the Farinella Gate on the right.

From 78 West (Local)

Take Exit 50B (Millburn), and turn right onto Vauxhall Road. Go three lights and bear right onto Valley Street. Take this street approximately 3 miles to South Orange Avenue. Turn right and proceed 1 mile to the University. Enter through the Farinella Gate on the right.

From the Garden State Parkway (North or South)

Take the Garden State Parkway to Exit 145. Follow directions for 280 West.

From the New Jersey Turnpike

Take the New Jersey Turnpike to Exit 15W. Follow directions for 280 West.

From Connecticut

Take Route 84 West into New York State until 84 ends. Take 684 South toward White Plains/Tappan Zee Bridge. Take 287 West over Tappan Zee Bridge. Take Exit 14A, (Garden State Parkway South) to Exit 145. Follow directions for 280 West.

From New York City

Go through either the Lincoln or Holland tunnel. From the Lincoln Tunnel, take the New Jersey Turnpike South to Exit 15W. From Holland Tunnel, take the New Jersey Turnpike North to Exit 15W. Follow directions for 280 West.

From Pennsylvania

Take the Pennsylvania Turnpike East to the New Jersey Turnpike North. Get off the Turnpike at Exit 11 (Garden State Parkway North). Take the Parkway to Exit 145. Follow directions for 280 West.

* for emergency use only

University Buildings

Alfieri Hall, completed in 1984, contains classrooms for the School of Theology and offices of the Educational Opportunity Program, Computer Training Center and the Center for College Teaching.

Alumni Hall was planned as a 25th anniversary gift to commemorate the opening of the College in Madison in 1856. The needed funds were not raised in 1881, but the fund drive continued, and the building was dedicated in 1886 to commemorate the opening and first graduation in South Orange in 1861. Alumni Hall houses the chapel for Immaculate Conception Seminary School of Theology as well as the School's administrative offices.

Art Center. Originally a carriage house, built between 1890 and 1895, and now a registered national landmark, this redbrick Victorian building has been preserved and renovated and was officially dedicated in May 1974 as the University's Art Center. It houses an art gallery, studios, classrooms and offices of the Department of Art and Music.

Arts and Sciences Hall. Opened in 1973, the building houses lecture halls, seminar rooms, conference rooms, classrooms, offices for faculty and administrative personnel and a computer laboratory, as well as faculty offices of the College of Arts and Sciences.

Bayley Hall. Erected in 1913 and named for Bishop James Roosevelt Bayley, first Bishop of Newark and nephew of Saint Elizabeth Ann Seton, Bayley Hall is used for business and administrative purposes, as well as the Office of Enrollment Services.

Recreation Center and Walsh Gymnasium. A student-oriented, multipurpose facility that serves the recreation, physical education and intercollegiate needs of the University community, the Recreation Center contains the Regan Field House, an eight-lane, 25-yard pool, a fitness/weight training room, a dance studio, racquetball courts, saunas and locker rooms. Adjacent to the Recreation Center, Walsh Gymnasium, a 3,000-seat arena built in 1939 and named for Newark Archbishop Thomas Walsh, is the site of practice and competition for many intercollegiate teams. The new state-of-the-art WSOU facility also is located here. Outdoor facilities include Owen T. Carroll Field and Ivy Hill Park, 19 acres of practice and intramural fields adjacent to the campus.

Chapel of the Immaculate Conception. The Chapel of the Immaculate Conception has been the center of campus religious life since 1863 and observed its 125th anniversary in 1988-89. Open every day, the chapel serves as a place of meditation and prayer for all members of the University community. Several Masses are offered on weekdays and on Sundays.

Corrigan Hall. Named after Bishop Michael A. Corrigan and Reverend James H. Corrigan, brothers who served as second and third presidents of Seton Hall, this building contains offices, the facilities for Computing Services, classrooms and labs.

Duffy Hall. Classrooms, offices, the bookstore, Parking and Card Access Services, the Department of Housing and Residence Life, and Game Room are located in this building.

Bishop Dougherty University Center. Named for Bishop John J. Dougherty, president of Seton Hall from 1960-70, the University Center contains meeting rooms, dining areas, lounges, an art gallery and the Theatre-in-the-Round. It houses the offices of student publications and student government, as well as the offices of the Department of Community Development and the Vice President for Student Affairs.

Fahy Hall. Opened in 1968, this building houses many departments of the College of Arts and Sciences and the dean of this College. In addition to classrooms and faculty offices, it contains communication and language laboratories, a television studio and the University museum.

Kozlowski Hall. With six stories and more than 126,000 square feet of academic space, this structure provides a home for the Stillman School of Business, the College of Education and Human Services, the Center for Public Service, New Jersey Center for Civic and Law-Related Education and the Department of Psychology. It contains 156 faculty and administrative offices and 30 teaching spaces, from seminar rooms that seat eight people to an auditorium seating 390. It also features a central, three-story skylit atrium where students and faculty can congregate informally. A major feature of the building is the technological capabilities it brings to the teaching and learning processes. These include fixed and flexible seating classrooms with the most contemporary information and distance learning technologies that facilitate the transmission of lectures all over the world; laboratories with one-way observation mirrors; and classrooms with terminals for portable computers.

Lewis Hall/Immaculate Conception Seminary School of Theology was completed in 1984. Faculty and student residences, classrooms, a dining hall, lounges and the Seminary Library are housed in this building.

McNulty Hall. The Biology, Chemistry and Biochemistry and Physics departments are located in McNulty Hall, named in honor of Monsignor John Laurence McNulty, president during the University's post-World War II expansion years. This building contains classrooms, teaching and research facilities, faculty offices and an amphitheater.

McQuaid Hall. Named after Bishop Bernard McQuaid, first president of Seton Hall, this building was constructed in the early 1900s. The School of Diplomacy and International Relations is located on a major section of the first floor of this building. The School of Graduate Medical Education is located on the second floor and part of the first floor.

Mooney Hall. Named for Monsignor Mooney, president of Seton Hall from 1907-22, the building houses Freshman Studies, Archaeology Studies, ROTC/Military Science, Special Academic Services, Counseling Services, the Print Shop, classrooms and offices.

Presidents Hall. Visually the “centerpiece” of the campus, Presidents Hall dates back to 1867. It houses administrative offices, including those of the president; executive vice president; general counsel, planning, the provost; human resources; and international programs.

Residence Halls. Seton Hall has housing capacity for more than 2,000 students. The residences include Cabrini, Neumann, Serra, Xavier, Aquinas, North and South Boland Halls, Ora Manor Apartments and St. Andrew’s.

Ring Building. Located at 457 Centre Street, this building houses the Division of University Affairs, including the vice president for University Affairs’ office and the offices of alumni relations and University advancement.

Schwartz College of Nursing Building. This facility was opened in 1973 and named for the first dean of the College of Nursing whose husband, Henry Schwartz, was the major benefactor who supplemented a U.S. Public Health Service Building grant for its completion. This building includes a state-of-the-art computer laboratory, multipurpose practice laboratory, classrooms, an amphitheater, and offices for faculty and administration.

Walsh Library. Seton Hall’s Walsh Library was completed in the spring of 1994. Located at the heart of the campus opposite the Recreation Center, the four-story, 155,000 square-foot structure is nearly three times the size of its predecessor, McLaughlin Library, and accommodates twice as many users at any given time. The library is named in honor of Board of Regent Chairman and University benefactor Frank E. Walsh and his wife, Mary D. Walsh.

Walsh Library facilities include a Bibliographic Instruction Center, with a networked computer laboratory; quiet, convenient reading rooms, group study rooms, study carrels and scholar’s studies; compact shelving and a flexible floor plan; state-of-the-art systems to protect, preserve and provide access to valuable resources; an exhibit and art gallery; and a central location for all library services, including the Special Collections Center, The Teaching Learning and Technology Center, Media Services, the Walsh Library Gallery and the Writing Center.

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