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Welcome from the President

Dear Student,

Here at Sacred Heart University, we have much to celebrate and a great deal for which to be thankful. We are continuing to grow and expand—both academically with the addition of new programs and courses and physically as we construct new classrooms and learning spaces at West Campus, build new residence halls on the upper quad and complete the new Bobby Valentine Athletic Center.

We have five colleges offering challenging academic programs across a wide variety of disciplines. Sacred Heart is known for its award-winning faculty, rigorous academics and small classes as well as its leadership in both liberal arts and the Catholic intellectual traditions. We provide a dynamic, experience-rich education, and our hope is that, after four years with us, you will leave Sacred Heart prepared to take your place in a diverse and challenging world.

This handbook will serve as a guide as you explore the many opportunities and experiences that Sacred Heart has to offer. Our Catholic identity informs our spirit of inclusion, creativity and care. You will also find that our faculty, staff and upperclassmen will be ready and willing to help you along the way. When you come to Sacred Heart, you join a special community that inspires life-changing growth and provides a sense of belonging and a place to call home.

I welcome you to Sacred Heart and look forward to meeting you. Together, we share confidence in and excitement for what the future holds. I urge you to ask questions, get involved in activities and take full advantage of all the opportunities that come with a Sacred Heart education.

Sincerely,

John J. Petillo, Ph.D., President
University Telephone Numbers

All University departments, faculty, and staff contact information is available on the University website: www.sacredheart.edu/facultystaffdirectory
Graduate Calendar

All graduate and undergraduate calendars are available to view on the Sacred Heart University website under "Academic Calendars" (http://www.sacredheart.edu/offices/services/registrar/academiccalendars/).

Please note deadlines for add/drop and withdrawals. These deadlines vary for different programs.
Statement of University Policies

While every effort is made to ensure the accuracy of information provided in this catalog, accuracy cannot be guaranteed. Sacred Heart University reserves the right to make changes at any time without prior notice. The University provides the information in this catalog solely for the convenience of the reader, who may not rely upon it as a promise or legal obligation. Sacred Heart University expressly disclaims any liability based on the contents.

The University is committed to the concept of equal educational opportunities for all. Individuals are considered for admission to student status, and its services, facilities, programs, and activities are administered in a nondiscriminatory manner as required by law without regard to race, religion, color, sex, sexual orientation, national or ethnic origin, gender, age, or handicap.

The institution recognizes the Family Education Rights and Privacy Act of 1974, which defines the rights and protects the privacy of students with regard to their educational records.

The University is an Equal Opportunity Employer in accordance with its Affirmative Action Policy. It does not discriminate as required by law in its employment practices on the basis of race, color, religious creed, age, gender, marital status, national origin, disability, sexual orientation, or veteran status.

Sacred Heart University is committed to the maintenance of a community environment where respect for the dignity and worth of each individual is demonstrated and where diversity and the free exchange of ideas can flourish. The maintenance of that community requires its members to avoid behavior that creates division, to promote behavior that enhances cooperation among groups, and to encourage the development of each person as a unique individual.

The University does not condone racism, sexism, sexual harassment, intolerance, or any other acts of discrimination. The University is authorized under federal law to enroll nonimmigrant alien students.

Sacred Heart University’s procedures for claiming unlawful discrimination or harassment are set as an appendix to this catalog and are also on the University’s website. The executive director for Human Resources, Julia Nofri (203-365-4837), serves as the coordinator for Title VI, Section 504 of the Rehabilitation Act and the Age Discrimination Act. Title IX complaints should be reported to the Title IX Coordinator, Leonora Campbell (203-396-8386). Students claiming discrimination for handicap or disability may also complain to the director of Special Services at the University’s Jandrisevits Learning Center.

Sacred Heart University is committed to addressing student concerns related to both academic and administrative issues. Students should first address complaints to the appropriate University official to obtain resolution of disputes and complaints. In compliance with C.R.F. Section 668.43(b), if a student cannot resolve an issue within the University, she/he can bring the issue to the New England Association of Schools and Colleges (NEASC). NEASC’s contact information is:

3 Burlington Woods Drive, STE 100

Burlington, MA 01803-4514
Phone: 781-425-7700
Toll Free: 855-886-3272
www.NEASC.org

or

Office of Higher Education
61 Woodland Street
Hartford, CT 06105-2326
Phone: 860-842-0229
www.ctohe.org/studentcomplaints.shtml
The Master of Physician Assistant Studies has received Candidacy from the American Academy of Physician Assistants (AAPA) and the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). Candidacy is a "preaccreditation" status with the CAA, awarded to developing or emerging programs for maximum period of 5 years.

The Master of Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

The Master's degree program in Speech-Language Pathology at Sacred Heart University is a Candidate for Accreditation by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech, Language, and Hearing Association (ASHA). Candidacy is a "preaccreditation" status with the CAA, awarded to developing or emerging programs for maximum period of 5 years.

The Master of Physician Assistant Studies has received Connecticut Office of Higher Education (CTOHE) state licensure, and the ARC-PA has granted Accreditation-Provisional status to the Sacred Heart University Physician Assistant Program sponsored by Sacred Heart University. Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first cohort of students.

The Doctor of Physical Therapy is accredited by the Commission on Accreditation of PT Education. The Bachelor of Arts or Science in Social Work program is accredited by the Council on Social Work Education.

The Jack Welch College of Business is accredited by the Association to Advance Collegiate Schools of Business.

The University is approved by the Connecticut State Department of Education for the education of veterans and their eligible dependents.

MEMBERSHIPS

Kiwanis Club of Bridgeport
Lilly Fellows Program (LFP)
Luxembourg American Chamber of Commerce (LACC)
Massachusetts Higher Education Consortium (MHEC)
Massachusetts School Counselor Association (MASCA)
Mathematics Association of America
Metro Atlantic Athletic Conference (MAAC)
Metro New York College Placement Officers Association (MNYCPOA)
Modern Language Association (MLA)
NAFSA: Association of International Educators
National Academic Advising Association (NACADA)
National Association of Athletics Compliance Coordinators (NAACC)
National Association of Campus Activities (NACA)
National Association of Church Personnel Administrators (NACPA)
National Association for College Admission Counseling (NACAC)
National Association of Colleges and Employers (NACE)
National Association of College Athletic Directors
National Association of College Auxiliary Services (NACAS)
National Association of College and University Attorneys (NACUA)
National Association of College Basketball Coaches (NABC)
National Association of College and University Business Officers (NACUBO)
National Association of Collegiate Directors of Athletics (NACDA)
National Association of Collegiate Marketing Administrators (NACMA)
National Association of Deans and Directors of Social Work
National Association for Developmental Education (NADE)
National Association of Educational Buyers New England Region (NAEB NE)
National Association of Educational Procurement (NAEP)
National Association of Graduate Admissions Professionals (NAGAP)
National Association of Independent Colleges and Universities (NAICU)
National Association for Lay Ministry (NALM)
National Association of Pastoral Musicians (NPM)
National Association of Schools of Art and Design (NASAD)
National Association of Social Workers (NASW)
National Association of State Administrators & Supervisors of Private Schools (NASASPS)
National Association of Student Financial Aid Administrators (NASFAA)
National Association of Student Personnel Administrators (NASPA)
National Athletic Trainers' Association (NATA)
National Athletic Trainers' Association Board of Certification (NATABOC)
National Board for Certified Counselors (NBCC)
National Career Development Association (NCDA)
National Catholic College Admissions Association
National Catholic Educational Association (NCEA)
National Catholic Student Coalition
National College Honors Council
National Conference of Catechetical Leadership (NCCL)
National Collegiate Athletic Association (NCAA)
National Collegiate Licensing Association (NCLA)
National Council for State Authorization Reciprocity Agreements (NC-SARA)
National Council of Teachers of English (NCTE)
National Council of Teachers of Math (NCTM)
National Fastpitch Coaches Association (NFCA)
National Intramural and Recreational Sports Association (NIRSA)
National League for Nursing
National Organization of Nurse Practitioner Faculties (NONPF)
National Orientation Directors Association (NODA)
National Society of Experiential Education (NSEE)
National Strength and Conditioning Association (NSCA)
New England Affiliate of College and University Residence Halls (NEACURH)
New England Association of College Admissions Counseling (NEACAC)
New England Association of College and University Housing Officers (NEACUHO)
New England Association of Collegiate Registrars and Admissions Officers (NEACRAO)
New England Association of Schools and Colleges (NEASC)
New England Consortium of Clinical Educators (NEECCE)
New England Intercollegiate Softball Coaches Association (NEISCA)
New England Occupational Therapy Education Council (NEOTEC)
New England Resource Center for Higher Education (NERCHE)
New England Transfer Association (NETA)
New Haven Chamber of Commerce
New Jersey Association for College Admissions Counseling (NJACAC)
New York State Association of College Admissions Counseling (NYSACAC)
Northeast Association of Student Employment Administrators (NEASEA)
Northeast Business Deans Association (NEBDA)
Northeast Conference (NEC)
Northeast Conference Baseball Committee
Online Learning Consortium (OLC)
Overseas Association for College Admission Counseling (OACAC)
Pennsylvania Association of College Admission Counseling (PACAC)
Phi Delta Kappa, International Religious Educational Association
Physician Assistant Education Association (PAEA)
Sigma Xi, Scientific Research Study
Society for College and University Planning (SCUP)
Society for Human Resource Management (SHRM)
Society for Industrial and Applied Mathematics (SIAM)
Society for the Scientific Study of Religion (SSSR)
Stamford Chamber of Commerce
Strategic Enrollment Management (SEM)
Teachers of English to Speakers of Other Languages (TESOL)
Tuition Exchange (TE)
United States Patent and Trademark Libraries
University Professional and Continuing Education Association (UPCEA)
University Risk Management and Insurance Association (URMIA)
Western Massachusetts Counselors Association (WMCA)
Westchester Putnam Rockland Counseling Association (WPRCA)
Western Suffolk Counselors' Association (WSCA)
The World Affairs Forum
World Criminal Justice Library Network (WCJLN)

Mission and History
MISSION STATEMENT

Sacred Heart University, rooted in the Catholic intellectual tradition and the liberal arts, embraces a vision for social justice and educates students in mind, body and spirit to prepare them personally and professionally to make a difference in the global community.

HISTORY

Sacred Heart University was founded in 1963 by the Most Reverend Walter W. Curtis, second bishop of the Diocese of Bridgeport, to provide an institution of higher education that would serve the people of the diocese and region, regardless of sex, race, creed or religion. In October 1962, Bishop Curtis announced both the plan to open a college the following September, and its name, "Sacred Heart." The choice of the name had a dual origin: it was the name of the bishop's first pastorate in Bloomfield, N.J., and was a pledge from the bishop attesting to the value of such an institution.

Signs of the University's growth and vibrancy are evident. Enrollment has risen from the original class of fewer than 200 undergraduate students to approximately 6,500 full-time and part-time undergraduate and graduate students. Over the years, Sacred Heart has grown to become the second-largest Catholic university in New England and, according to the Chronicle of Higher Education, one of the fastest-growing Catholic Universities in the country.

The University has enhanced the undergraduate student experience in many notable ways. In 1990, it accepted, for the first time, students who wanted the residential experience. It now has 11 residential areas, with approximately 92 percent of first-year students and 57 percent of all undergraduates residing in University housing.

New degree programs and majors in relevant disciplines are regularly added to our curriculum, and the University now offers more than 70 undergraduate, graduate, doctoral and certificate programs on its main campus in Fairfield, Conn., and satellites in Stamford, Luxembourg and Ireland. The University consists of five colleges and two schools: College of Arts & Sciences, School of Communication & Media Arts; School of Computing, the AACSB-accredited Jack Welch College of Business, College of Health Professions, College of Nursing, and Isabelle Farrington School of Education. Sacred Heart was recently ranked Top Four most innovative university as well as one of the best universities in the North, according to U.S. News & World Report's guidebook, Best Colleges 2018. This is partly due to the University's remarkable expansion, innovation and growth over the last decade.

The University offers Division I athletics with 32 varsity teams. The William H. Pitt Health and Recreation Center is currently available to all students, but will become the exclusive domain of the D-1 athletes when the University completes construction on the Bobby Valentine Athletic Center in fall 2019. This state-of-the-art recreation center will be open to all students and will include a suspended track, bowling lanes and a climbing wall.

The campus currently comprises more than 300 acres of land, including The Great River 18-Hole Golf Course and the former global headquarters of General Electric, which is now SHU's West Campus. West Campus currently houses the College of Education, with plans for the College of Business, including the School of Computing and the new hospitality, resort and tourism program, to move to that site. West Campus will be an innovative campus with a maker space for engineering students and incubator space where business students can work with local business people on projects.

The Frank and Marisa Martire Business & Communications Center is the current home of the Jack Welch College of Business and School of Communication & Media Arts. Our newest academic building, The Center for Healthcare Education, opened in the fall of 2017 with 117,000 square feet of exceptional laboratory and learning facilities. In addition, the campus boasts two new residence halls. Located in the heart of campus, Jorge Bergoglio Hall houses over 200 students in two-bedroom pods with a shared bathroom. And located in our newly constructed Upper Quad, Pierre Toussaint Hall, formerly known as the Jewish Home property, is the beginning of a new residential village that will include student housing, an old fashioned-themed dining hall, JP's Diner, and other dining options.

An ever-widening outreach to the community balances the University's commitment to academic excellence. More than 1,500 students, faculty and staff members volunteer in excess of 100,000 hours to community service each year.

LOCATIONS

Located on 56 suburban acres and adjacent properties in Fairfield, Connecticut, the main campus is just minutes from Exit 47 off the Merritt Parkway (Route 15), about one hour north of New York, and less than three hours south of Boston. Major extension sites of the University are located in Stamford and Griswold, Connecticut. The University also offers a Master of Business Administration degree and undergraduate study abroad in the Grand Duchy of Luxembourg.

Main Campus: Fairfield
Sacred Heart University
5151 Park Avenue
Fairfield, CT 06825-1000
203-371-7680 Fax: 203-365-7607

West Campus: Fairfield
Sacred Heart University
3135 Easton Turnpike
Discrimination

Sacred Heart University does not discriminate on the basis of race, color, religious creed, age, gender, marital status, national origin, disability, sexual orientation, or veteran status in the administration of its educational policies, admission policies, athletic programs, or administered programs. Any behavior or action that excludes, harasses, or discriminates based on any of the above characteristics is unacceptable and subject to disciplinary action. Any person who has a complaint regarding any unlawful discrimination may obtain the procedures to file a complaint from the Executive Director of Human Resources Department, Julia Nofri, 203-365-4837. A complaint by a student for unlawful discrimination in violation of Sacred Heart University policies, state, or federal law regarding disability may also be filed with the Director of Jandrisevits Learning Center, Ardiana Sula, 203-371-7823, who will direct the complaint to Human Resources. The procedures are set forth as an appendix to this catalog.

Curriculum

The University responds to community needs with programs of study and courses that offer up-to-date specialized information and skills. At the same time, it maintains a commitment to the intellectual development of its students within a well-defined liberal arts program rooted in the Catholic intellectual tradition.
Academic and Community Resources and Student Services

Academic Resources

Sacred Heart University resides on more than 100 acres in Fairfield County. The University's College of Health Professions and the College of Nursing are located at 7 Cambridge Drive, Trumbull, and houses the College of Nursing, Occupational Therapy, Physical Therapy, and Human Movement and Sports Science.

COMPUTER FACILITIES

Sacred Heart University offers a state-of-the-art campus network. The library, classrooms, on-campus residence facilities, health and recreation center, and faculty and administrative offices are all networked. With its fiber-optic infrastructure, the University is positioned to support a wide range of emerging technologies. The University has established itself as a pioneer in the implementation of technology across the curriculum.

A host of multiprocessor campus servers support the labs and educational programs. The University's gigabit Internet, backbone support, and wireless network are linked throughout the campus. The network also supports video, voice, and data across the campus. State-of-the-art routers and firewalls provide high-speed connectivity and security to wide area network (WAN) segments, and are managed completely in house. Administrators maintain traffic-shaping, intrusion prevention, and wireless security measures for access as secure as it is convenient. The University has adopted the "Blackboard" Transaction System to create a simplified means for identification and commerce transactions on campus. The SHU identification card can also be used at select off-campus merchant locations to facilitate additional commerce transactions.

In support of the laptop program, the University has an on-site Notebook Service Center and Call Center (The Factory) staffed by certified technicians and open 12 hours a day, Monday through Thursday, and 9 hours on Friday. The Factory is staffed five days a week, so that members of the University community can call trained technicians for assistance with anything on campus that pertains to technology. The Factory can be accessed on campus through the internal telephone system and off campus via a toll-free telephone number. This facility is specifically designed to service and troubleshoot problems with laptops. Through Sacred Heart's telephone support hotline, students, faculty, and staff can dial a toll-free number or e-mail tech support to obtain technical assistance. In addition, Sacred Heart University has a full-time training department, which provides multiple workshops every month to train faculty, staff, and students on various technology applications. One-on-one sessions are available by appointment and can cover any software supported by the University.

The University has adopted the Blackboard Transact system to create a simplified means for identification and commerce transactions on campus. The SHU ID card can also be used at select off-campus merchant locations to facilitate additional commerce transactions. For a list of off-campus merchant locations, please go to http://www.sacredheart.edu/campuslife/lifeonoffcampus/shucard/participatingmerchants.

ENGLISH AS A SECOND LANGUAGE (ESL)

The English Language Institute at Sacred Heart University offers an accredited, full-time Intensive English Language Program to prepare students for their successful study in an American academic institution. Full-time ESL students enroll in eight-week sessions, taking a cluster of oral communication, written communication, and grammar, totaling 22 hours per week. Placement in the noncredit, preacademic Intensive English Language Program is determined by an English Placement Test and the student's language profile.

Students who successfully complete their ESL classes at the Sacred Heart English Language Institute are not required to take another proficiency test to enroll in other degree programs at Sacred Heart University. Admission to the English Language Institute does not guarantee admission to the University. Students are allowed to take credit courses while taking advanced ESL courses at the same time. For more information regarding the program, contact the director at 203-365-7528. The program runs five semesters per year. Please see the English Language Institute website for further information: www.sacredheart.edu/esl

HOUSING

Inquiries as to the availability of graduate housing or regarding off-campus rentals may be made by contacting the Office of Residential Life at 203-416-3417.

INSTRUCTIONAL TECHNOLOGY AND STUDENT MOBILE COMPUTING PROGRAM

Recognizing the increasingly important role of technology in our society and in education, Sacred Heart University has made a commitment to, and a serious investment in, computers, networking, and its supporting technologies. The University's network infrastructure provides connectivity to every facility on campus via a fiber-optic backbone.

VPN and virtual desktops are available to provide connectivity solutions for even the most sophisticated applications, from anywhere on the Internet. Browser-based e-mail is available through the web, for sending and receiving campus e-mail from any computer connected anywhere on the Internet.

To promote its "Anytime, Anywhere Learning" initiative, Sacred Heart University launched wireless networking in the summer of 2000 to create one of the first wireless network campuses in New England. This infrastructure allows students to use portable devices anywhere on campus. The current wireless standard is 802.11n.

The students' computing laboratories are currently comprised of 776 desktop computers distributed throughout several academic
facilities. Thirty laboratories are used for computer-related instruction, and an additional lab provides 24/7/365 access for Sacred Heart University students, faculty, and staff. The University continues to upgrade regular classrooms to technology-enhanced classrooms with fixed multimedia capabilities that allow instructors to fully integrate technology in their classroom presentations. All general-purpose classrooms are equipped with large screen displays, classroom computers, laptop connections, BluRay players, and audio capabilities. All classrooms on campus are equipped with an active data jack for instructors or students to access the network. Additionally, there are data connections in every room, and wireless networking is accessible throughout the campus. The network infrastructure is designed with future technologies in mind and with excess capacity to allow for significant growth. The University is making a serious financial commitment to maintaining the network at peak performance capability and reliability. Upgrading the software and hardware that support the network is a continuous process and not one the University will ever say is complete. Sacred Heart’s commitment is to keeping a state-of-the-art system in place for all our campus customers.

The University is part of a select group of academic institutions that embraces the mobile computing philosophy. Full-time undergraduate students are encouraged to purchase and use a laptop during their academic life at the University. Information Technology fully supports a variety of laptop models from Lenovo, Apple, and Dell. In addition, Sacred Heart University provides all of its full-time faculty members with a choice of PC laptop, Mac laptop, or tablet refreshed every three years. We offer a similar program to our adjunct faculty who are issued a supported laptop as well. We build and deploy an image which contains the latest Microsoft Office software and other necessary tools and utilities.

Through the use of Sacred Heart University’s Learning Management System, Blackboard, faculty are provided with the ability to remain connected to students outside of the classroom. Blackboard's functionality allows faculty to post their syllabus electronically, add course content, foster group communication outside of the classroom, and administer electronic exams.

In addition, the University provides all faculty with a WebEx account, a tool which enables instructors to host synchronous learning sessions beyond the physical classroom environment. Separate from the faculty accounts, Sacred Heart provides students with WebEx accounts to conduct synchronous group work sessions from any location with an Internet connection.

The Microsoft Office 365 portal provides the Sacred Heart community with more collaboration tools than ever before. Using Word Online, users can create documents, share with colleagues and edit them simultaneously. Students have the ability to use OneNote, a digital notebook application, to keep their course notes organized, and Microsoft Sway brings new features to a group presentation. To access the Microsoft portal, please go to https://portal.office.com and log in with your Sacred Heart University credentials. For training on technology tools, or to learn more about the possibilities, please contact the Instructional Technology Department.

JANDRISEVITS LEARNING CENTER

The Jandrisevits Learning Center (JLC) is located in the Sheila Hamilton Student Success Center on Park Avenue. The JLC provides specialized tutoring for students with learning disabilities (LDs) as well as for students who are linguistically diverse (ESL). Staffed by highly experienced faculty tutors and well-trained peer tutors, the JLC provides a warm, friendly learning environment where the academic success of individual students is the primary concern. An adaptive technology lab is available for students with visual, auditory, physical, or learning disabilities. For an appointment, call 203-371-7820 or come to the Jandrisevits Learning Center.

OFFICE OF SPECIAL LEARNING SERVICES

The Office of Special Learning Services (OSLS) provides instructional accommodations and services to students with documented disabilities. Students with disabilities who request academic accommodations must submit appropriate documentation and register with OLSL. In compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973, the OLSL provides reasonable instructional accommodations and services including disclosure letters, alternate testing accommodations, auxiliary aids and services, and academic adjustments. For appointments, call 203-371-7820.

STUDY ABROAD

Sacred Heart University offers a variety of graduate study abroad programs around the world—with programming that supports a broad range of educational, professional, and personal objectives. Short-term programs offered over the winter and summer terms are available.

Choose from courses taught at the University’s own sites in Ireland and Luxembourg, or choose courses taught by SHU faculty in additional countries. Courses completed will fulfill degree requirements. Applications are available online one semester before the program start date.

Students participating in SHU programs pay the regular Sacred Heart tuition rate plus a program and/or study abroad fee. Federal and state financial assistance as well as Sacred Heart University grants may apply to SHU and SHU-affiliated semester study
abroad. Specific program cost and scholarship information is located on the Office of Global Affairs website.

For more information, contact the Office of Global Affairs at 203-396-8028 or locate programs online at www.sacredheart.edu/studyabroad.

Community Resources

CENTER FOR STRATEGIC PLANNING FOR NOT-FOR-PROFIT ORGANIZATIONS

The Center for Strategic Planning for Not-For-Profit Organizations was established by Sacred Heart University within the Jack Welch College of Business to provide business assistance to qualified groups. Through the application of skills developed during their studies, teams of MBA students, under the guidance of an experienced advisor, address strategic issues central to the client's longer term viability and effectiveness. In doing so, students provide a valuable service while being exposed to "realities of life" that transcend the formal academic environment. It is the mission of the Center to engender in the University's MBA students a sense of community and an appreciation for those less fortunate by providing them a unique opportunity to give one of their talents in the service of others. Functioning as teams, students will assist not-for-profit organizations with the development and implementation of strategic, business, and marketing plans necessary to meet their goals and objectives. In doing so, students will apply the skills learned in the SHU MBA program in a cooperative effort carried out in the spirit of the Catholic intellectual tradition to produce an outcome worthy of a grade. The mission of the Center is directly aligned with, and in support of, key elements of the mission of Sacred Heart University and the Jack Welch College of Business. The Center's office is located at on the Oakview campus. For further information, call 203-371-7853.

HERSHER INSTITUTE FOR APPLIED ETHICS

Established in 1993, the Hersher Institute for Applied Ethics serves both the University community and the wider Fairfield County community by addressing issues of major ethical concern. The institute assists Sacred Heart University faculty from all disciplines to raise and examine broad ethical concerns and issues specific to their respective disciplines.

The Hersher Institute brings speakers to campus to address the faculty and provides training for integrating ethical viewpoints into the University curriculum. The institute supports the University's wider mission by cosponsoring, with other departments and institutes, colloquia and conferences that raise important ethical questions for the University scholarly community and the general public. For further information, call 203-365-7657.

IPTV

An IPTV service is also available to all students living in SHU housing. Philo Edu allows you to watch live television on your own terms -- on laptops and other devices anywhere on campus. With a stellar channel lineup, the ability to pause and rewind live TV, and unlimited DVR space, Philo Edu gives you the flexibility and control you need to stay up-to-date on sports, current events, and the shows that matter to you most.

PUBLIC SAFETY AND PARKING

The Department of Public Safety, located on the Lower Level of the WSHU Broadcast Center, is committed to fostering an environment in which all those who live, study, work, or visit within the University campus are able to do so in a safe and secure environment. The department is committed to providing professional, timely, and efficient public safety services to all of its constituents on a 24-hour-a-day, seven-day-a-week basis.

Public Safety officers patrol the buildings and grounds of the University via vehicle, bicycle, and foot. Services provided by the department include personal safety escorts, motor vehicle assistance (unlocks and jump-starts), and emergency medical response and treatment, as well as maintaining a lost-and-found department. Public Safety enforces parking and traffic regulations, provides key control and locksmith services, and investigates and documents incidents on campus. Public Safety is the emergency response department on campus and acts as the liaison with the local police, fire, and ambulance services.

All vehicles parked on the campus must display a University decal or visitor parking pass. Parking permits are available from and distributed by the Public Safety Parking Office in the Main Academic Building. Visitor parking weekdays between 7:00 a.m. and 4:30 p.m. can be obtained online at the link below. Students, faculty and staff can apply online through the parking portal on the Public Safety website. For any parking questions email: parkinginfo@sacredheart.edu or visit the Public Safety website for general information.

http://www.sacredheart.edu/officeservices/publicsafety/kingprocedures/visitorparkingpass/.

Department of Public Safety Telephone Numbers

Routine Business: 203-371-7995
EMERGENCIES ONLY: 203-371-7911
Fax Number: 203-396-8372
Information Line Phone: 203-365-SNOW (7669)
Visit: www.sacredheart.edu/publicsafety

RADIO STATIONS

WSHU Public Radio is a professionally operated group of public radio stations licensed to Sacred Heart University with studios and control centers located on the Fairfield campus. A full member of NPR, it is one of only two such stations in Connecticut and 268 in the United States. WSHU is the principal public radio source for Fairfield, New Haven, and Litchfield Counties in Connecticut and Suffolk and Duchess Counties in New York. More than 264,000 listeners tune in to the station's blend of acclaimed NPR news and talk programs, locally produced classical music, award-winning regional reporting, and unique entertainment.

WSHU utilizes student support in the form of internships, work-study students, and board operators. It also serves as a lab for audio production. In addition to its original 91.1 FM signal, WSHU operates another service, WSHU Fairfield County Public Radio (1260 AM, 1350 AM, 1400 AM, and 106.5 FM), as well as three
other radio stations—WSUF 89.9 FM in Noyack, New York; WQQQ 103.3 FM in Sharon, Connecticut; WYBC 1340 AM in New Haven, Connecticut—and six translators: 90.1 FM (Stamford, CT), 91.3 FM (Huntington Station, NY), 91.7 FM (Ridge, NY), 93.3 FM (Northford, CT), 103.3 FM (Greenport, NY), and 105.7 FM (Selden, NY).

SHU PRINT AND DELIVERY (SHU PAD)

The SHUPAD (SHU Print and Delivery) is now in two locations. We are still on the main campus (SHUPAD Main) and now we're located on the West Campus (SHUPAD West). We can handle all of your document needs. We print, copy, and scan documents. Need something notarized? Look no further. Traveling abroad? We'll bring the USPS on site to process passport applications. We'll print your posters, banners, and even make signs for your next event. Interested in mailing something? We'll show you how to save money by designing mail pieces correctly to achieve maximum postage discounts. We manage the copiers located throughout the campus and accept your SHU ID card for any services rendered. We receive and distribute your mail and packages and will let you submit jobs through our digital storefront. If interested in any of our services, please call (203) 365-7540 or email gerckensa@sacredheart.edu.

Student Services

CAMPUS MINISTRY

The Office of Campus Ministry provides opportunities for persons of all faiths and religious traditions to share their faith in the life of the University community. Campus Ministry serves students, faculty, staff, and the local community through daily liturgies, pastoral counseling, community outreach, educational programming, and special projects, events, and retreat programs.

Campus Ministry responds to student needs for worship, integration, reflection time, social interaction, meaningful discussion of life issues, responsible social action for justice, and exploration of moral, religious, and relational issues.

The Eucharist is celebrated on Sundays and weekdays during the academic year. In addition, University-wide liturgical celebrations mark special days and seasons. Other interfaith worship and prayer opportunities are provided regularly.

CAREER DEVELOPMENT AND PLACEMENT CENTER

The Career Development Center offers a variety of services to enhance graduate students' professional development. Students matriculated into graduate degree programs can receive individual assistance and participate in group workshops towards the enhancement of professional development.

Additional services include:

- Online Job Postings: The Center maintains an online job-search management website with opportunities (jobs and internships) posted by employers seeking to recruit Sacred Heart University students.
- Career Expo, On-Campus Interviewing, Employer Engagement: On-campus recruitment events are offered each semester.
- 1:1 Appointments: Supporting professional document review, identifying internship and employment opportunities, strategizing effective networking and interviewing strategies.

For additional information on the Career Development and Placement Center, call 203-371-7975 or visit our website at www.sacredheart.edu/career.

DINING SERVICES

The University has a contract with Chartwells, a professional food service corporation, to provide meals to students. The food court at the Linda E. McMahon Commons, 63's, Balanced Kitchen, and the Outtakes Conveniece Store offer dining service a la carte throughout the day and evening. Einstein's Bagels located in the Martire Business and Communications Center also provides dining services. Also, Starbucks Café on the first floor of the Ryan Matura Library provides a la carte services throughout the day and evening during the academic year. In October, our newest dining facility, JP's Diner opened and is available to the campus community seven days a week. Please refer to the Dining Services link on the Sacred Heart website for all times of operation at all dining locations.

GRADUATE STUDENT ADVISORY COMMITTEE

The Sacred Heart University Graduate Student Advisory Committee, also referred to as GSAC, is an advisory organization that fosters support and interaction among graduate students, faculty, the University, and the community-at-large through intellectual and social events. It provides a voice for graduate students by embracing the academic, social, cultural, and general diversity of its members.

Membership to the GSAC is open to all part-time and full-time graduate students looking to become more involved within the graduate student body on campus. GSAC meetings will typically take place once a month rotating to a different evening to accommodate various graduate class schedules.

Regardless of the amount of time you can contribute to GSAC, there are numerous ways to have an active role on the committee. As a voice for your program, you can assist in making enhancements to the graduate student experience and suggest appropriate graduate student programs and events. Remember, it's never too late to join!

GRADUATE, INTERNATIONAL AND VETERAN STUDENT AFFAIRS

The Office of Graduate, International and Veteran Student Affairs supports and encourages life on and off campus for graduate students and serves as a liaison between the students and university administration to assist in making the transition easier and more fulfilling.
We work to coordinate events and programming among the five graduate colleges, oversee the Graduate Student Advisory Committee (GSAC), provide students with information about student services and general information about community resources, assist in orienting new students each semester and function as a general ombudsman and advocate throughout their SHU graduate college career. Check the GSA site regularly at http://www.sacredheart.edu/GSA. for updated information and check your SHU e-mail for news and events that are important to development as a graduate student here at Sacred Heart University.

INTERNATIONAL STUDENT VISA CERTIFICATION

An international student requesting an application for a student visa (F-1) must be accepted to the University in a full-time program of study. Since federal and/or state financial assistance is not available to international students, the student is also required to present certified evidence of sufficient funding to cover education and living expenses.

If, after attending the University, the student decides not to return, notification must be made in writing to the Principal Designated School Official (PDSO) in the Office of Immigration and Support Services. If a student wishes to travel during the authorized time of study at the University, he or she must present a current I-20 form to the PDSO for certification prior to departure. A student not following the regulations of the Department of Homeland Security, U.S. Immigration and Customs Enforcement is considered out of status and may be subject to deportation from the United States.

STUDENT ACTIVITIES

The Office of Student Activities sponsors concerts, lectures, and other activities for the University community. Graduate students are welcome to participate in these for the price of admission. Throughout the course of the academic year, the Graduate Student Advisory Council provides a series of programs and activities for the graduate student population. Fees or admission charges may apply.

WELLNESS CENTER VACCINATION LAWS

Meningococcal Vaccine Law

Beginning with the 2002–2003 academic year, the State of Connecticut requires that all students who reside in on-campus halls must be vaccinated against meningitis. Proof of this vaccination must be presented to the appropriate University officials before a student can obtain entry to their residence hall. This new guideline for Connecticut colleges and universities is provided in Public Act 01-93. For additional information, call the University's Health Services at 203-371-7839.

University Facilities

Sacred Heart University comprises more than 300 acres of land, including an 18-hole golf course and the former global headquarters of General Electric, now known as West Campus. The main campus of the University sits on more than 100 acres in Fairfield, Connecticut, and is located less than 60 miles from Manhattan and approximately 150 miles from Boston. The University maintains branch operations for working adults in Landmark Square, Stamford and Griswold, Connecticut.

BOOKSTORE

The bookstore is located on the first floor of the new Linda E. McMahon Commons. Operated by Follett College Stores, it offers textbooks, supplies, clothing with the University's name and logo, and related items. Bookstore purchases can be made online. Visit the bookstore's website at Sacred Heart University Bookstore.

ACADEMIC CENTER

The Academic Center contains mostly classrooms and faculty, administrative, and academic departmental offices. This includes Campus Ministry, Campus Operations, Public Safety, Registrar, Student Affairs, and Student Government offices. It is also a multipurpose activity center, housing the computer center, dining hall, the Art & Design Gallery, mailroom/print shop (a.k.a. SHU Print-and-Delivery, or SHU PAD), science and language laboratories, snack bar, and the Edgerton Center for the Performing Arts. Hawley Lounge serves as a student lounge and recreational activity center for Campus Ministry, music, Public Safety, Student Affairs, and Student Government, as well as 63's Dining Halls, Mahogany Room, Gallery of Contemporary Art, Hawley Lounge, and the Edgerton Center for the Performing Arts.

CAMPUS FIELD

Campus Field is the home of the Pioneer football, men's and women's soccer, field hockey, men's and women's lacrosse, women's rugby, and men's and women's outdoor track and field as well as numerous Club Sports programs. Renovated in 2015, Campus Field features lights and a new surface for its multipurpose field. The field is surrounded by an eight-lane synthetic-surface running track, which was also recently renovated and is available for competition and recreational use. With seating for more than 3,500 spectators, Campus Field is an ideal location for large-scale events and has been host to athletic tournaments, graduations, and outdoor fairs. Adjacent to Campus Field are six tennis courts (resurfaced in the summer of 2015) as well as Pioneer Park, which is one of the finest softball stadiums in the northeast.

CENTER FOR HEALTHCARE EDUCATION

The faculty offices and many of the instructional spaces of the College of Health Professions and the College of Nursing are located our Center for Healthcare Education, a short drive or shuttle ride south from the Park Avenue campus. This facility houses state-of-the-art labs, classrooms, and library facilities for the Colleges, which includes the College of Nursing, Physical Therapy, and Human Movement. All graduate study for the Colleges and many laboratory and didactic undergraduate courses are scheduled in this facility. In addition to the highly sophisticated classrooms, laboratories, and library spaces, there are new dining facilities, a physical therapy clinic, a reading clinic, and administrative and faculty offices. There is ample parking and the facility is served by a regular university shuttle service.

CHAPEL OF THE HOLY SPIRIT
The Chapel of the Holy Spirit, which was dedicated in August 2009, is a pivotal campus landmark serving as a powerful symbol of Sacred Heart’s Catholic identity. It holds more than 500 in its principal sanctuary with a smaller Chapel of the Nativity for daily Mass and private prayer that seats 50. Among the Chapel’s special features are original mosaics and stained glass by the world-famous Jesuit artist, Father Marko Ivan Rupnik, and a tracker organ designed and manufactured especially for Sacred Heart University by the master craftsmen at Casavant Frères. There are outdoor gardens and a spacious narthex—or foyer—suitable for public gatherings. The building and grounds are designed to suggest one of the defining themes of the Second Vatican Council: the Church as the Pilgrim People of God. The Chapel roof consists of copper folds in the manner of a nomadic tent, for example, and the narthex has walls of glass to demonstrate the intersection between daily life and the life of prayer. The Chapel’s bell tower holds four unique bronze bells, hand-cast in the Netherlands. The largest one weighs 1,500 pounds and measures 41 inches in diameter; the smallest weighs 447 pounds and measures 27 inches in diameter.

CURTIS HALL

Curtis Hall, named for the University’s founder, Most Reverend Walter W. Curtis, DD, Bishop of the Diocese of Bridgeport, houses the offices of Undergraduate and Graduate Admissions, Marketing and Communications, and Student Financial Assistance. The Curtis Theatre is also located in this building.

DINING SERVICES

The University currently offers in the following dining options: 63s Pioneer Food Court and Outtakes in the Main Academic Center, Einstein Brother’s in the Martire Center, Linda’s and Red’s in the Student Commons, Balanced Kitchen in the Center for Healthcare Education, and JP’s Diner.

For more information on each dining option, go to: Campus Dining Services

GREAT RIVER GOLF CLUB

Sacred Heart University has purchased 150 acres of land on the Housatonic River in Milford/Orange, CT, which includes Northeast’s premier semi-private 18-hole Great River Golf Course and a 32,000-square-foot clubhouse. Located just 11 miles away from SHU’s main campus, Great River Golf Club is a signature Tommy Fazio-designed facility that has been ranked fourth-best in Connecticut by Golf.com.

For more information on this facility, go to Great River Golf Club.

EDGERTON CENTER FOR THE PERFORMING ARTS

The Edgerton Center for the Performing Arts is a multifaceted facility that presents a wide variety of lectures, theatrical, musical, and dance performances. The University completed a renovation of the Edgerton Center in 2014, allowing for a larger Art & Design Gallery for displaying student and faculty artwork and a reception area where people can gather prior to and following performances. Creating a feeling of openness and natural light, the art gallery/reception area is walled with panels of glass and windows. The additions also include an outdoor facility that provides another warm gathering place for events and campus activities. A large media screen and benches allow for outdoor movies and other programs. The Edgerton Center, which seats close to 800, is host to year-round productions from a variety of University organizations including the Concert Choir, Concert Band as well as our Strings and Jazz Ensemble, along with the University’s Theatre Arts Program (TAP) and the newest Performing Arts programs, Dance Company and Ensemble. For all questions and ticketing information, call the box office at 203-371-7908, or visit the center at Sacred Heart University Edgerton Center for the Performing Arts.

SHEILA HAMILTON STUDENT SUCCESS CENTER

The Sheila Hamilton Student Success Center is dedicated to helping SHU students and young students from the surrounding region achieve success in their educational pursuits. The Student Success Center focuses on enhancing student learning, testing, and achievement. The Center for Teaching and Learning provides students with tutoring for their academic program. Professional and student tutors help students in math, writing and the natural sciences. The Office of Special Services provides support and accommodations for students who need specific help with learning. There is also a laboratory for literacy where graduate students in Education provide tutoring in reading to children in the Bridgeport Public School System.

The Jandrisevits Learning Center (JLC) provides specialized tutoring for students with learning disabilities (LDs) as well as for students who are linguistically diverse (ESL). Staffed by highly experienced faculty tutors and well-trained peer tutors, the JLC provides a warm, friendly learning environment where the academic success of individual students is the primary concern. An adaptive technology lab is available for students with visual, auditory, physical, or learning disabilities. For an appointment, call 203-371-7820 or come to the Student Success Center.

The Student Success Center is on the corner of St. Nicholas Road and Park Avenue, directly adjacent to the President’s residence. Designed to resemble a large, stately residence, it has a stone veneer on the lower levels to match existing stone retaining walls, brick on the second story, and a gabled half-story space at the top.

THE MAUREEN HAMILTON WELLNESS CENTER

The Maureen Hamilton Wellness Center is located at 4980 Park Avenue. The colonial-style two-story, 5,800-square-foot building serves as a place for acute health and medical needs and will also offer students confidential counseling and therapeutic services. The first floor of the Wellness Center houses a reception and waiting area, medical record storage room, several examination rooms, a physician’s office, and both a supervisor’s
office and nurse’s office. These services are offered on a fee per visit basis. The Wellness Center contains numerous examining rooms and is equipped with a laboratory and wellness room where students can wait following vaccinations and where they can be monitored for adverse reactions.

**JP’S DINER**

Sacred Heart University’s newest dining hall, JP’s Diner, is a ’50s-style diner and the first on-campus diner in all of New England. Named for SHU President John J. Petillo, JP’s is located on SHU’s newly-constructed Upper Quad, between the William H. Pitt Center and Pioneer Park.

The ’50s- and ’60s-themed diner offers a variety of food options for students in a fun, unique setting. JP’s serves breakfast, lunch and dinner. The menu contains about 25 to 30 classic diner items including burgers, patty melts and club sandwiches. Dessert options include delicious pies, ice cream, cheesecake and, of course, milkshakes, a diner staple. JP’s uses dining dollars, offers a take-out menu and stays open until 3 a.m. on weekends.

The eatery features jukeboxes to play up the retro-diner spirit, and features a big screen tv to showcase vintage black and white movies. The diner seats approximately 110 people inside and 40 people outside.

**FRANK AND MARISA MARTIRE BUSINESS AND COMMUNICATIONS CENTER**

The Martire Business & Communication Center houses the Jack F. Welch College of Business and the Department of Communications and Media Studies. This building is located on the corner of Park Avenue and Jefferson Street in Fairfield. It offers state-of-the-art facilities that include an active trading floor; digital wayfinding; dedicated conference rooms for business meetings and internships; problem-based learning laboratories; screening venues; technology-enhanced classrooms with multimedia technology and moveable furniture for various learning configurations; satellite equipment; a multimedia forum for leadership institutes, lectures, and screenings; interactive labs including a motion-capture lab for motion picture animation and video game design; large-screen digital cinema; two large television studios for TV, video, and film production; and a radio station.

**RYAN MATURA LIBRARY**

The Ryan Matura Library is the source for information, whether it is the answer to a factual question or research for a term paper. Librarians are available to answer questions and assist students with extended research projects. Instructional sessions are conducted for class groups to familiarize them with the library, with subject-specific research, and the research process. Librarians also assist students with finding information in other libraries, in commercial databases, or on the Internet.

Periodicals and periodical indexes, including newspapers, are found in print, film, and electronic format. Any book or periodical not found in the library can be obtained from another library through interlibrary loan. Materials can usually be obtained within ten days.

At present, the Ryan Matura Library holds approximately 125,000 print volumes and 50,000 nonprint items and more than 15,000 periodical subscriptions. These include a significant number of full-text journals available on more than fifty online index and abstracting databases. These can be reached twenty-four hours a day, seven days a week from links on the library homepage. Databases are available on campus and at home.

In addition, the library houses nine technology-equipped group study workspaces to allow students to work together on projects or prepare for presentations.

The library’s website is located at library.sacredheart.edu. It provides access to the library catalog, information about the library, electronic reserve reading, links to research databases, and other related information.

**LINDA E MCMAHON COMMONS**

The 46,000-square-foot Linda E. McMahon Commons serves as a crossroads and popular destination for students and the entire Sacred Heart community. Linking the University’s academic, spiritual, and extracurricular cores, as well as its upper and lower campuses, the distinctive V-shaped building includes the bookstore, a food court adjoining a 250-seat student dining hall, a private dining room with hearth and seating for 50 individuals, informal lounge spaces including a fireplace lounge overlooking the east entry terrace, a concourse connecting active spaces within the building, a presentation room, Career Development and Placement Center, Red’s Pub, and the office of the Senior Vice President for Enrollment, Student Affairs, and Athletics. The exterior of the building incorporates outdoor terraces that also serve as gathering space for students and faculty.

**MELADY HALL**

The Melady Hall (Administration Building) is named after former University President Thomas Patrick Melady who served as president at SHU from 1976 to 1986. It houses the office of the president in addition to the offices of the provost and vice president for Academic Affairs, the vice president for Mission and Catholic Identity, the vice president for Human Resources and Payroll, the senior vice president for Finance and Administration, and the vice president of Alumni Relations and University Advancement.

**PIONEER PARK**

Pioneer Park is one of the finest softball stadiums in the Northeast. In the summer of 2016, the infield was turfed, giving the Pioneers a home field for all weather. It boasts seating for 350, 1 press box, locker rooms connected to both dugouts, a bullpen and batting cages along each foul line.

**WILLIAM H PITT HEALTH AND RECREATION CENTER**

The William H. Pitt Health and Recreation Center is home to the thirty-two Pioneer Division I men’s and women’s programs, as well as many of our Club Sport programs along with various intramural and recreational activities. The three-level, 141,000-square-foot complex features four multipurpose basketball courts that seat 2,100 and can be easily converted for concert or convention use.
The Health and Fitness Center is located on the lower level of the Pitt Center. Offering a wide range of fitness equipment and classes, the 5,000-square-foot facility features an enclosed aerobics studio and main fitness area, where the latest generation of cardiovascular exercise machines and brand new (summer 2014) Hammer Strength free-weight equipment can be used. Locker rooms for both the Pioneer and visiting athletic teams are adjacent to the fitness area as well as the Pioneer wrestling room. The upper level of the Pitt Center houses the Department of Athletics suite of offices and a student study center. Perched atop the Pitt Center is the Sky Box, a beautifully appointed room with terrace access that is used to host special guests during athletic events.

RESIDENCE HALLS

The University currently houses students in the following housing facilities: Angelo Roncalli Hall, Elizabeth Ann Seton Hall, Thomas Merton Hall, Christian Witness Commons, Scholars Commons, Pioneer Gardens, Park Ridge Apartments, Oakwood Apartments, Taft Commons, Jorge Bergoglio Hall, and Pierre Toussaint Hall. These offer distinct residential lifestyles, from traditional high-rise residence halls to on- and off-campus apartments.

SCHINE AUDITORIUM

The Schine Auditorium, located in the lower level of the Ryan Matura Library, provides an appropriate setting for lectures, workshops, academic convocations, and other special programs. To reserve the 220-seat auditorium, call 203-371-7846 between 8:30 a.m. and noon, Monday through Friday.

ST VINCENTS COLLEGE AT SACRED HEART UNIVERSITY

TANDET CENTER

Sacred Heart University's College of Health Professions is working with Stamford Hospital to launch a new full-time, 27-month Master of Physician Assistant Studies (MPAS) program, started in fall 2016, pending accreditation. The SHU MPAS program is located in Stamford, on the second floor of Stamford Hospital's Tandet Building located next to the main hospital on West Broad Street. The 13,000-square-foot space is in the process of a full renovation and will include a state-of-the-art lab, classrooms and a patient-assessment suite.

WEST BUILDING

The West Building located at our new West Campus on Easton Turnpike in Fairfield serves as the campus of Innovation, providing expansion for the Isabelle Farrington College of Education and the new School of Computer Science and Engineering. Classrooms, an innovation lab, and faculty offices reside in this building for these two areas. Administrative Offices also relocated to this building include the Business Office, Graduate Admissions, Information Technology, Marketing and Communications, and SHUPAD West.

WSHU BROADCAST CENTER

Sacred Heart University recently completed the construction of a new three-story, 21,000 square foot building on Park Avenue that serves as home for WSHU, the onsite National Public Radio station serving Fairfield County and southeastern Connecticut, as well as home to SHU's Public Safety Department. The new venue provides the opportunity for enhanced programming, training and special events for the radio station, in addition to a state-of-the art communication and dispatch center that enhances the Public Safety Department's service needs, responsibilities and requirements.
Academic Standards, Policies, and Procedures

Notification of Rights Under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

- The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official a written request that identifies the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

- The right to request the amendment of the student’s education records that the student believes are inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. Students may ask the University to amend a record that they believe is inaccurate, misleading, or otherwise in violation of the student’s rights. Students may ask the University to amend a record that they believe is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. Students may request the University to amend a record that they believe is inaccurate, misleading, or otherwise in violation of the student’s rights. If the University decides not to amend the record as requested, the University will notify the student of the decision and advise the student of his/her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- The right to request the amendment of the student’s education records that the student believes are inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. Students may ask the University to amend a record that they believe is inaccurate, misleading, or otherwise in violation of the student’s rights. Students may request the University to amend a record that they believe is inaccurate, misleading, or otherwise in violation of the student’s rights. If the University decides not to amend the record as requested, the University will notify the student of the decision and advise the student of his/her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- The right to provide written consent before the University discloses personally identifiable information from the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is the disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/ her tasks. A school official has a legitimate educational interest if the official needs to review an education record to fulfill his/her professional responsibilities for the University.

- The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-5901.

ADDENDUM

As of January 3, 2012, the U.S. Department of Education’s FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records—including your Social Security Number, grades, or other private information—may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities (“Federal and State Authorities”) may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is “principally engaged in the provision of education,” such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

Student Responsibility

Students are responsible to know and apply the University’s academic policies and procedures. They are responsible for meeting deadlines as outlined in the academic calendar or in other sections of this publication. Students are responsible to know and apply graduation requirements in their major and should check their program evaluations on Web Advisor regularly. Questions should be addressed to the academic advisor or the Assistant Registrar for Graduation Services. Academic advisors can assist in understanding degree requirements and planning course selections but the primary responsibility for meeting these requirements rests with the student.

Sacred Heart University Network Account and Official Communications

When students are enrolled at Sacred Heart University, a University network account is created. The student is required to activate the account and is thereby given access to online services including Sacred Heart University e-mail.
Official communication is directed to the student's University electronic mailbox. In some cases, official communications may be delivered by U.S. mail or campus mail. Students are expected to access their e-mail regularly to stay abreast of important time-sensitive information. Information on how to access Sacred Heart University's network is available from the University's website under MYSHU. Students must activate their Sacred Heart University network account and be registered to have access to course material and online applications.

Matriculation

Matriculation is an agreement with the University to a particular set of degree requirements. Graduate students who have met all the requirements and have been accepted by Graduate Admissions are considered fully matriculated. Non-matriculated students may take 6-9 credits with permission from Graduate Admissions. Students who want to take courses beyond these initial credits must be admitted to the University. The option to take courses as a non-matriculated student does not apply to programs for teacher education. This course material and online applications.

Changes of Curriculum and Continuous Enrollment

A matriculated student has the right to graduate under the requirements that existed at the time of his/her matriculation as long as continuous enrollment has been maintained. Continuous enrollment means the student is in attendance for one of any three terms in an academic year. All summer session courses count as one term toward continuous enrollment calculations. Students who drop all their courses during the add/drop period may not use that semester as part of their continuous enrollment calculation. Students who fail to maintain continuous enrollment must apply for readmission. Readmitted students must follow the guidelines in effect at the time of readmission. Students who are not enrolled in a semester may wish to maintain their network connections and access to certain services such as the library and other online services. To do this, the student must contact the academic department and request access to the department's continuous registration section. This registration will continue all network access. A fee will be applied.

Mandated Vaccination and Immunization Requirements

All students must be in compliance with state law before registering. For information regarding immunization requirements, contact the University’s Health Services Office at 203-371-7838 or visit the Health Services website: www.sacredheart.edu/offices/services/wellnesscenter/

The academic calendar varies depending on the graduate program. The calendar and important dates are posted on the University website and organized by graduate programs.

http://www.sacredheart.edu/aboutshu/calendars/

Academic Integrity

THE MEANING OF ACADEMIC INTEGRITY

As an institution of higher learning, Sacred Heart University places special emphasis on academic integrity, which is a commitment to the fundamental values of honesty, trust, fairness, respect, and responsibility. Only when these values are widely respected and practiced by all members of the University—students, faculty, administrators, and staff—can the University maintain a culture that promotes free exploration of knowledge, constructive debate, genuine learning, effective research, fair assessment of student progress, and development of members' characters.

These aims of the University require that its members exercise mutual responsibilities. At its core, academic integrity is secured by a principled commitment to carry out these responsibilities, not by rules and penalties. Students and faculty should strive to create an academic environment that is honest, fair, and respectful of all. They do this by evaluating others' work fairly, by responding to others' ideas critically yet courteously, by respecting others' intellectual and physical property, and by nurturing the values of academic integrity in all contexts of University life.

appropriate disciplinary action will be taken for violations of academic integrity, including plagiarism, cheating, any use of materials for an assignment or exam that is not permitted by the instructor, and theft or mutilation of intellectual materials or other University equipment. Faculty will assign failing grades for violations of the University's policy on academic integrity and students may immediately receive an F for a course in which they commit a violation. Violations of academic integrity are kept on file; second violations will bring additional sanctions, up to dismissal from the University. For any disciplinary action, the University affords the student the right of due process in an appeals procedure. All matriculated students will be provided with a full description of the University's standards for academic integrity, consequences for violations, and the appeals procedure.

MUTUAL RESPONSIBILITIES OF FACULTY AND STUDENTS

Sacred Heart University faculty have an ethical and professional obligation to take the following steps to promote academic integrity among students:

- Refer in course syllabi to the University’s policy on academic integrity.
- Clearly explicate in course syllabi behaviors and actions that constitute academic dishonesty, especially those that may be specific to the assignments of the course.
- Clearly explicate in course syllabi consequences for violations of academic integrity.
Violations of Academic Integrity

for instance, the student's work was appropriated by another). It may also protect a student from a charge of dishonesty (if, in class, a student's work is judged from the result of a student's work, not his or her intentions, and in cases of doubt. Professors should make clear to students what forms of collaboration are permissible and impermissible. The standards on cheating do not prohibit students from studying together or from tutoring each other.

Sacred Heart University students have the ethical obligation to take these steps to promote academic integrity among their peers:

• Act with integrity in all their coursework.
• Abide by this policy on academic integrity, including its reporting requirements.
• Refuse to share materials with peers for the purpose of cheating, or that they believe will be used for cheating.
• Take care with their own papers, tests, computer files, etc., lest these be stolen or appropriated by others.
• Notify the professor of a course if they become aware that any form of cheating or plagiarism has occurred.

Such notification is not dishonorable but maintains an academic environment in which all students are evaluated fairly for their work; it may also protect a student from a charge of dishonesty (if, for instance, the student's work was appropriated by another).

VIOLATIONS OF ACADEMIC INTEGRITY

Violations of Academic Integrity

Academic integrity can flourish only when members of the University voluntarily govern their personal behavior by high ethical standards. However, it is also crucial for the University to define the boundaries of ethical behavior and to prohibit attacks on the principles of academic integrity. Policies that govern faculty members' ethical responsibilities are treated in the Faculty Handbook. Students' ethical responsibilities are governed by the policy stated here. Departments and programs at the University may supplement this policy with additional guidelines and faculty members may specify additional guidelines in the syllabi for their classes. Students must adhere to such guidelines as well as to University-wide policy.

All Sacred Heart University students in all degree programs are prohibited from engaging in any of the following types of behavior.

Cheating

Forms of cheating include but are not limited to:

• Having unpermitted notes during any exam or quiz. Only materials that a professor explicitly instructs students that they may use during an examination are permitted.
• Copying from other students during any exam or quiz.
• Having unpermitted prior knowledge of any exam or quiz.
• Copying or rewriting any homework or lab assignment from another student, or borrowing information for such assignments with the intention of presenting that work as one's own.
• Using unpermitted materials or taking information from other students for a take-home exam. A take-home exam is an exam; therefore, it requires independent work. Students should follow the procedures given by the professor.

Note: These standards require independent work by a student, except for those contexts where professors have specified forms of permitted collaboration with other students. If no form of collaboration has been specified, students must assume that none is permitted. Because assignments that involve group-based work can cause students to question what forms of collaboration are proper, they should seek guidance from their professors in all cases of doubt. Professors should make clear to students what forms of collaboration are permissible and impermissible. The standards on cheating do not prohibit students from studying together or from tutoring each other.

Plagiarism

Plagiarism is any act of misrepresenting the sources of one's information and ideas. When writing essays, it is the act of presenting another person's written words or ideas as one's own. When reporting experimental work, it includes the acts of falsifying data and presenting another's data as one's own. In speeches, it involves quoting passages of others' speeches or written words without mention of the author. Plagiarism is also possible in art and music, if one makes use of a work of art or music in a way that violates the standards of attribution in those fields.

Plagiarism may be willful, as when a student knowingly copies a source without attribution, or negligent, as when a student fails to cite sources properly. Both willful and negligent instances of plagiarism are subject to penalty—in part because professors must judge the result of a student's work, not his or her intentions, and in part because students are expected to know and follow the standards for proper citation of sources.

Forms of plagiarism therefore include but are not limited to:

• Copying whole papers or passages from another student or from any source.
• Allowing another student to copy or submit one's work.
• Buying or obtaining a paper from any source, including term-paper sellers and Internet sources, and submitting that paper or passages of it as one's own work.
• Pasting a passage from the Internet or any computer source into one's paper without quoting and attributing the passage.
• Fabricating or falsifying a bibliography.
• Falsifying one's results in scientific experiments, whether through fabrication or copying them from another source.
• Appropriating another person's computer programming work for submission as an assignment.
• When creating a webpage, film, or musical composition as a course assignment, failing to attribute material that comes from other media or failing to obtain proper permission for the use of such material.
Any other appropriation of another's intellectual property without proper attribution.

Submitting an assignment that one wrote during a previous semester or submitting the same assignment for more than one class simultaneously. This action includes reusing substantial portions of previously written work for a current assignment. (Students who are unsure of what work of their own they may use in preparing an assignment should consult their professors.) Assignments must be written the semester in which they are assigned unless a professor approves of the use of previously written material with specific guidelines. Assignments may only be submitted for credit in a single course unless professors in multiple courses are informed of and approve of the multiple submissions.

Note: Improper citation of sources occurs when a student presents all the sources he or she used in preparing a paper but fails to attribute quotations and information from those sources in the body of the paper. Specific examples include:

- Failure to use quotation marks for direct quotes or for an author's distinctive phrases. (A rule of thumb to follow is that five or more words in succession from a source must be enclosed in quotation marks.)

- Following an author's structure of writing and ideas, but rephrasing the sentences partially to give the impression that the whole passage reflects the student's structure and ideas.

- Failure to give page numbers for quotations or for other information that did not originate with the student.

Such acts fall under the rubric of plagiarism. Because they sometimes do not involve willful misrepresentation, professors may have more lenient policies in dealing with them. Yet students should strive to cite all information properly and should note that professors have the discretion to treat these cases as seriously as the forms of plagiarism listed above.

SANCTIONS FOR VIOLATIONS OF ACADEMIC INTEGRITY

Sanctions for Violations of Academic Integrity

When a faculty member encounters a possible violation of academic integrity, he or she should address the matter with the student within ten working days, after collecting whatever evidence may be available. The faculty member has the right to ask the student to provide evidence about sources or make other reasonable requests related to the work.

Cases of improper citation are a matter of faculty discretion. If the faculty member concludes that a student has violated the academic integrity policy, he or she may immediately assign a sanction of a failing grade for the assignment. He or she may also assign the student a grade of F for the course, which may not be forgiven. This determination must be sent in writing by the faculty member to the student within ten working days after initially addressing the matter with the student.

The faculty member will report the incident and the sanction imposed to his or her chair or program director, the dean of the college in which the course was taken, and the dean of the student's college (if different) within ten working days. This written account will include a complete documentation of the violation to all relevant parties.

The dean of the student's college will inform the student and his or her academic advisor in writing of the infraction, the sanction, and the appeals process available to him or her within ten working days of receiving notification from the faculty member.

In the instance of a second confirmed violation, the letter from the dean to the student should also inform the student that a letter will be forthcoming from the Office of the Provost, detailing the process in which any additional sanctions might be imposed. This letter will be mailed from the provost within ten working days of being notified by the dean of the student's college.

The deans will maintain centralized files on all reported cases of academic dishonesty in their colleges. Should a student transfer his or her major to another college, the dean will transfer files pertaining to that student to the dean of the other college as soon as possible.

The timeline outlined herein applies under normal circumstances and barring institutional exigencies.

STUDENT APPEALS PROCESS

The student who maintains that he or she did not violate the policy should first attempt a resolution with the faculty member. If the faculty member does indeed impose a sanction, the student may next present his or her case in writing with supporting evidence to the department chair or program director of the faculty member involved. The chair or program director will consult with the faculty member in an attempt to resolve the matter. The outcome will be sent in writing from the chair to the student within ten working days after the discussion.
If the resolution is not satisfactory to the student, he or she may submit a written appeal to the dean of the college in which the course was taken, explaining how the work in question is in compliance with the policy and providing relevant supporting documentation. The appeal must be presented to the dean of the college within thirty working days of the notification being sent to the student from the chair or program director.

If the dean (or the dean’s designee) finds that the appeal has merit, he or she has thirty working days to convene an appeal committee. This committee will consist of three faculty members: one selected by the student, one selected by the faculty member who taught the course, and one selected by the dean. After reviewing all documented evidence, this committee will decide whether the grade should stand or be reviewed by the faculty member. A letter explaining the committee’s decision will be sent to the dean within ten working days after it meets. The dean will then have 10 working days to inform the student of the findings. This concludes the process.

SECOND AND SUBSEQUENT VIOLATIONS

When the dean of a college receives confirmation of a second violation, he or she will notify the provost of the University, who will refer the matter to the Standing Committee on Academic Integrity. The purpose of this committee is not to reconsider the student’s guilt or innocence, but to recommend any additional sanctions after the appeals process has completed. This might include exclusion from the University for one or two semesters or a complete dismissal from the University. The committee will have available to it the full documentation of the student’s previous violation of academic integrity and the authority to request additional information and documentation as warranted.

Faculty members of this committee will be elected from each College at the University for two-year terms in elections that it holds. The committee will also include the Dean of Students as a non-voting member.

VIOLATIONS OUTSIDE OF A COURSE

When a student is suspected of having violated academic integrity by an action that did not occur in the context of a course (see section above, Other Violations), the student, faculty, staff, or administrator who suspects the violation and has plausible evidence should present this information to the Dean of Students. The Dean of Students will decide how to pursue the matter, and the student will have the right to appeal any consequences according to the Student Handbook.

Grading System

SACRED HEART UNIVERSITY GRADUATE GRADING SYSTEM

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Graduate students will receive a pass/fail grade only for courses designated by the department as pass/fail. Written approval from the Department Chair and College Dean is required.

CHANGE OF GRADES

An instructor may submit a Change of Grade only due to miscalculation or clerical error of the original grade. Grade changes must be submitted by the instructor of record using the appropriate form or online procedure in Web Advisor. Grade changes must be submitted no later than the end of the following semester in which the grade was posted. Any exceptions will require additional approval. When a grade below C is given in a required course, that course must be repeated. For a grade below C in an elective course, the student will be advised by the program director to repeat the course or take another elective in its place. If another elective is used, both grades will count in the cumulative GPA. Or, the student may petition the Academic Dean’s Office to request that the second elective grade be counted in the cumulative GPA in place of the first elective grade.

STUDENT GRADE GRIEVANCE—POLICY AND PROCEDURE

A student’s dissatisfaction with a course grade is, in general, not sufficient grounds for warranting a grievance, convening a committee, or meriting a hearing.

Grounds for a grievance exist upon presentation of written documented evidence indicating:

- Discriminatory treatment;
- The process determining the grade differs from that outlined in the course syllabus; or
- The process determining the grade was not presented in writing to the students.

A documented grievance associated with a grade must be presented within six (6) months after the original grade was issued.

The procedure for a documented grievance is as follows:

- The student is expected to resolve the issue at hand with the faculty member.
- If the solution as provided by the faculty member is unacceptable to the student, the student may present the case in writing with supporting evidence to the department chair of the faculty member involved. The department chair will then make a judgment, after consultation with the faculty member and the student, in an attempt to bring the matter to resolution.
- If the department chairperson is unable to bring the matter to resolution or the judgment is unacceptable to the student, the student may present a formal appeal in writing to the dean of the college in which the course was taken or to his/her designee.
- If the dean of the college or his/her designee finds that the appeal has merit, he/she will convene a grievance committee. This committee will consist of only faculty members: one faculty member selected by the student, one faculty member selected by the faculty member concerned, and one faculty member selected by the dean of the college or his/her designee. The chair of the faculty member against whom the grievance is filed is not eligible to serve on the Grade Grievance Committee.
After reviewing all documented evidence, the grievance committee will then propose a solution, supported by a rationale in writing, that the grade either stands or should be changed by the faculty member. If the faculty member is unavailable to change the grade, the department chair shall serve in lieu of the unavailable faculty member.

In the extraordinary circumstances in which the faculty member does not accept the recommendation of the Grade Grievance Committee to change the grade after the Grade Grievance Committee ascertains that one or more grounds for a grievance outlined above has been substantiated, then the issue shall return to the Grade Grievance Committee, which will make the final grade decision to be implemented by the department chair. This step concludes the process.

ACADEMIC FORGIVENESS

A student who has successfully repeated a failed course and wants to make an adjustment to his/her transcript must submit the appropriate repeated course form to the Registrar's Office.

If an F course grade was the result of a violation of the University's policy on academic integrity, the grade is not subject to forgiveness. That is, the grade will remain in the computation of the GPA. If the Repeated Course Request is approved, only the more recent of the two grades will be counted in the computation of the grade point average (GPA). The original grade, however, will be kept on the transcript. This policy is limited to the first F successfully repeated during graduate study. Criteria for the successful repetition of a failed course will be established and promulgated by the respective program faculty. The limitation to forgiveness of a single F grade may be waived by student petition to the program or department director, with final approval of the petition being made by the college dean.

HONORS DESIGNATION FOR GRADUATING GRADUATE STUDENTS

The following represents the criteria for awarding the honors designation for graduate students at the time of their graduation:

- Students must be in top 20% of the graduating group within the degree program.
- Students must have obtained at least a cumulative GPA of 3.7.
- Students must have engaged in significant work (e.g., thesis, major project, course paper, etc.) that makes a recognized and documented contribution to the field of discipline.
- A recommendation that an honors designation be granted must be sent to the program director by a faculty member.
- Endorsement by the program director of the faculty member's recommendation and a recommendation for the award to the dean of the college.

ACADEMIC PROBATION

Any student whose cumulative GPA is below 3.0 will be considered to be on academic probation and may be required to obtain written permission from the program director before registering for additional coursework.

PROGRAM DISMISSAL

A student whose cumulative GPA is below 2.7 after attempting 18 credit hours will be dismissed from the University. A student who is dismissed may submit an appeal for change of status. The procedure for appeal is listed below in the Academic Policies section (p. 27).

The academic probation and program dismissal policies described above are minimum University requirements. Each academic department may have additional requirements for the student to maintain good standing or be retained in the program.

ACADEMIC APPEALS

A student who has been dismissed can appeal the dismissal to the Academic Review Board, or equivalent structure within each college, through the dean of his or her college and request reinstatement. Dismissed students have the option to appeal if they believe their academic deficiencies are due to extenuating circumstances or computational errors in calculating their GPA or academic progress. The appeal should include some reflection on the cause of the poor performance, documentation of any extenuating circumstances, and a plan of action for improving performance if the student is admitted back into the University. The appeal and all supporting documentation of the appeal must be presented within fourteen (14) days after receipt of the formal dismissal letter. The Academic Review Board or equivalent structure will make a recommendation to the dean of their college in a timely fashion. The dean of the college will then make a final decision on the appeal. This concludes the appeal process.

ACADEMIC POLICIES

STUDENT STATUS

To be considered a full-time graduate student at the University, candidates must maintain registered status for 9 credit hours per term.

Graduate students who are enrolled for a minimum of 3 credits in a term are considered half-time. International students (on an F-1 visa) must enroll for nine credit hours each term, Summer sessions excluded.
Online registration will only be available during specified date ranges but access to inquiry screens will always be available. Up-to-date information regarding class schedules, room and instructor information, and course offerings is available through Web Advisor.

Students who require special permission to register for a course may do so by completing the registration form and faxing the form with written permission from the program director to the Registrar’s Office. Students may also complete this process in person during regular business hours. Information may be faxed to 203-365-7509.

REGISTRATION CONDITIONS

The University reserves the right to change class schedules or instructors at any time. In the event a course is cancelled, full refund of tuition and fees for the course will be processed. If course cancellations occur, students will be notified by the academic department through SHU e-mail in order to adjust their schedules. Students must initiate all registration, drop, or withdrawal actions. Requests from faculty or staff will not be processed unless a signed form or letter from the student is attached.

IN-PROCESS STUDENT REGISTRATION

Qualified students who have not yet completed the application process, or who have not received an admissions decision on their application, may register as an in-process student with written permission from the Graduate Admissions Office. Students may complete up to 6 or 9 credit hours under this designation depending on the academic program requirements. In-process registration does not guarantee admission into a graduate program.

COURSE PREREQUISITES

Students are responsible to know course prerequisites and to meet those requirements before a course is taken. Information regarding course prerequisites can be found in this catalog and/or supplied by the appropriate academic program director. Exceptions to a prerequisite must be approved in advance by the academic program director. Credit may be denied to a student who takes a course without the proper prerequisites.

AUDITORS

A student wishing to audit courses must register for the courses as an “auditor.” No credit is granted for an audited course. The University may restrict auditors from certain courses. No student will be permitted to change from credit to audit or audit to credit after the Add/Drop period. Auditors may register during the first week of classes through the add/drop period. Auditing a course requires instructor permission prior to registration. An additional audit fee will be assessed (see Student Accounts website under Tuition & Fees).

COURSE CHANGES—ADD/DROP

A student may change his/her course selection only within the add/drop period. The procedure for schedule changes is available on the Registrar’s webpage.
COURSE WITHDRAWAL

If withdrawal from a class becomes necessary, the student should obtain an official withdrawal form from the Registrar’s Office. Withdrawal forms are available on the Registrar’s website at www.sacredheart.edu/offices/services/registrar/. Completed forms should be faxed to the Registrar’s Office at 203-365-7509. Official withdrawal is necessary to assure proper grade entry on the transcript and the issuance of any refunds, if applicable. A "W" grade will be issued for course withdrawals submitted within the withdrawal deadline (see Academic Calendars for withdrawal deadlines). After the deadline, a grade of W will only be granted in highly unusual circumstances, such as documented medical emergency. Students who do not withdraw in the specified time frame will receive the grade that they have earned. Students are encouraged to contact their advisor or program director to discuss their academic progress.

Phone withdrawals are not accepted. Students who are taking only online courses may submit a request to withdraw from a course by sending an e-mail to registrar@sacredheart.edu. The e-mail must include the student’s request to withdraw, the student’s name, ID number, course and section number, and term.

Nonattendance does not constitute official withdrawal. Course withdrawals may affect satisfactory academic progress (as defined in an earlier section) and/or academic standing, and may result in the loss of benefits or permission to participate in University activities such as athletics. It is the student’s responsibility to understand these consequences.

If a student withdraws from the University prior to and through the add/drop period, the courses will not appear on the student’s transcript. A "W" grade will be recorded if the student withdraws from the University after the add/drop period. The W grades will appear on the student's transcript.

Withdrawing from courses or failing to attend courses will impact your financial aid. For details please see SHU’s Financial Assistance Withdrawal Policy (p. 38).

VERIFYING STUDENT’S SCHEDULE

Each student is responsible for checking their schedule on Web Advisor to make sure the information is correct. Any problems should immediately be directed to the Registrar’s Office. Students will be held academically and financially responsible for their registration as indicated on their schedule in Web Advisor.

LEAVES OF ABSENCE

Medical Leave of Absence

Students who must leave the University because of a documented medical condition may request a medical leave of absence from the program director or department chair. Documentation of the serious nature of the medical condition must be provided. Medical leaves are generally approved for one semester but may be renewed for one additional semester with written permission from the dean of the college. Students may return at the end of the leave when medical clearance is provided. This policy does not bind the University to alter their curricula or major program, which may have been discontinued or substantially altered during the approved leave of absence. Students who change their program or major upon return will be under the requirements in effect at the time of their return.

The student is responsible for obtaining all relevant information that may affect their standing and benefits including but not limited to financial aid and veteran’s benefits. A student on approved medical leave is considered to be in continuous matriculation during that leave period. If a student does not return after the leave or extend it, he or she must go through the readmission process to return.

Military Leave of Absence

Graduate Students called to active duty while enrolled in the University should contact their program director. Students must present documentation. Students wishing to obtain a Military Leave of Absence may be offered the following options after the program director confers with financial aid, instructors, and other University officials:

- Withdrawing from the courses with a full tuition refund or tuition credit, in accordance with University and government guidelines.
- If a student completed at least 70% of the coursework and upon recommendation of his/her dean, the student may elect to take incompletes and make special arrangements for course completion with individual instructors.
- Students are eligible to return within one year following active duty. However, the degree requirements may have changed, and the student may be required to comply with degree program requirements in effect at the time of their return to the University.

COMPLETE WITHDRAWAL FROM THE UNIVERSITY

Graduate students wishing to drop or withdraw from all their courses and thereby discontinue their enrollment should confer with their advisor or program director. University withdrawals are not official until all signatures are obtained. Any refunds will be determined by the official date of the withdrawal. All fees are nonrefundable. Drops will be recorded on the student’s record during the add/drop period. A "W" grade will be recorded and appear on the transcript for University withdrawals completed after the add/drop period.

READMISSION

Students who fail to maintain continuous enrollment as defined in an earlier section must apply for readmission through Graduate Admissions. Readmitted students must follow the guidelines in effect at the time of readmission.
SUBSTITUTIONS AND WAIVERS

In order to maintain academic quality and integrity, no student will be granted a substitution for a course or credits unless it is in accordance with the University’s policy. A substitution may be granted at the discretion of the department chair/program director for any course in the respective discipline. However, if a student did not meet the academic requirements for a course, a substitution for that course will not be allowed. If the basis for the request of a substitution is a learning or physical disability, the student must contact the Director of Special Services and provide documentation of the disability. For information regarding this procedure, contact the Director of Special Services. All waivers and substitutions must meet the requirements of any academic program accredited and/or licensed by an outside accrediting body or governmental agency.

APPLICATION FOR GRADUATION

To receive a degree, a student must complete all requirements for that degree as listed in the catalog in effect at the time of admission into the program and a 3.0 GPA. Other conditions may apply for specific programs (see program information under the specific programs). All students eligible for a degree must apply for graduation candidacy at least one semester before completing the degree. An online application is available through Web Advisor. Failure to comply may result in a delay in receiving the degree by the anticipated graduation date. Degrees are conferred three times a year in May, August, and December. The Commencement Convocation is held once a year in May.

Students will be billed a graduation fee approximately one month before their anticipated graduation date. The graduation application fee is not refundable. In the event the student does not complete the requirements for the degree within one year of the originally indicated date, a new application including a new application fee will be required.

Students completing a credit certificate must submit an application for the certificate at least one semester in advance of completing the requirements. Failure to comply may result in a delay of receiving the certificate by the semester the certificate is completed. There is no fee for the credit certificate at this time.

TRANSCRIPTS

The transcript is the official academic record. The student’s authorization must be received before a transcript will be released. The student should complete an electronic Transcript Request. The link is available on the Registrar’s Office website at www.sacredheart.edu/offices/services/registrar/. A fee is charged for each transcript requested. Transcripts will be withheld if the student has a financial obligation to the University.
Graduate Admission

Students are admitted into graduate study at Sacred Heart University using a portfolio approach. This allows the University to review an application using a variety of factors such as prior work experience and other nonacademic activities that may be relevant to the student’s planned area of study.

In addition to the admission requirements specified by each graduate program, all applicants must have a bachelor’s degree or equivalent from a higher education institution accredited by a regional association of colleges and schools recognized by the U.S. Secretary of Education and recognized as accredited by the Connecticut State Department of Education or a Connecticut higher education institution accredited by the Connecticut Board of Governors of Higher Education. Applicants are expected to have a cumulative undergraduate grade point average (GPA) of 3.0 (on a 4.0 scale) or higher. Applicants with an undergraduate cumulative GPA below 3.0 may be provisionally accepted to certain programs if they demonstrate those qualities needed to succeed in the University’s graduate programs. Certain programs may require above a 3.0 cumulative GPA and have additional requirements of a prerequisite GPA or an interview. Individual requirements are listed online for each program or you can contact the Office of Graduate Admissions.

Application Process

Applications and all supporting materials (test scores, letters of recommendation, writing samples, transcripts, etc.) should be sent directly to the Office of Graduate Admissions. Certain professional graduate programs will utilize a CAS application managed by Liaison International. These common national applications are often sponsored by the accrediting agency. If a CAS application is used, then all supporting materials will be sent to Liaison International for processing. Once compiled, completed, and verified, applications will be sent to the Office of Graduate Admissions. Please refer to the specific program application page or contact an admissions counselor.

Students are responsible for the submission of all application materials. Once an application is received, the Office of Graduate Admissions will generate an electronic file for the candidate. When a file is complete and verified by the Office of Graduate Admissions, it will be sent to the program office for consideration. Candidates will be notified as soon as possible concerning any decision regarding their application. Submission of some materials, such as transcripts and test scores, may take several weeks to arrive. Early submission of these materials is advised.

APPLICATION DEADLINES

There is no formal University-wide deadline for applications for graduate study. However, several departments and programs have established their own deadlines. For more information on specific program deadlines, contact the Office of Graduate Admissions at 203-365-7619. For all other programs, it is recommended that all application materials be submitted as soon as the application is filed. International applicants should submit their official transcripts with proof of degree and supporting materials at least four months before the first day of class.

COMPLETION OF THE APPLICATION FILE

In order to complete an application for graduate study, the following materials must be received by the Office of Graduate Admissions.

APPLICATION

A completed application form and any supplemental forms must be received by the Office of Graduate Admissions. Applications must be completed online at http://www.sacredheart.edu/admissions/graduate/applynow/.

FEE

A nonrefundable application fee may be required. Applicants will receive payment information following the submission of the online application form.

TRANSCRIPTS

Official transcripts from all prior colleges and universities attended must be received by the Office of Graduate Admissions. Official transcripts are those sent by the registrar of a college directly to the Office of Graduate Admissions or Liaison International if applying through a national CAS application. Sacred Heart University students and alumni may authorize the Office of Graduate Admissions to obtain their official SHU transcripts on their behalf. Contact the Office of Graduate Admissions for an authorization form. Hand-carried transcripts will not be accepted. All transcripts from foreign institutions should be accompanied by an evaluation completed by a translation service. The Office of International Admissions has several recommended agencies for prospective students to contact.

TEST SCORES

Any test scores required for admission must be forwarded by the testing service to Sacred Heart University. The Sacred Heart University code is 3780. For more information, contact the Office of Graduate Admissions at 203-365-7619.

LETTERS OF RECOMMENDATION

Two or more letters of recommendation on behalf of the applicant must be received by the Office of Graduate Admissions. Certain programs have specific requirements for the recommendations. Contact the Office of Graduate Admissions for details at 203-365-7619.

RÉSUMÉ

A résumé highlighting career and academic accomplishments should be sent to the Office of Graduate Admissions.

PERSONAL STATEMENT

A personal statement that addresses the applicant’s career aspirations and reasons for pursuing the intended graduate degree
program at Sacred Heart University must be submitted to the Office of Graduate Admissions.

CERTIFIED AND LICENSED STUDENTS

Certified teachers or licensed health professionals who are applying for any graduate program must submit a copy of their current certification or licensure.

INTERNATIONAL APPLICATIONS

All admitted international graduate students must possess the equivalent of a four-year bachelor's degree from an accredited college or university. In addition, international applicants should have achieved an excellent academic record that includes at least sixteen years of primary, secondary, and college-level education.

International graduate students essentially follow the same procedure and use the same application form as all other graduate students applying to Sacred Heart University; however, the following additional documentation must also be submitted:

- Certified official copies of all university/college academic transcripts
- Proof of a bachelor's degree completion from an accredited university or college including semester-by-semester mark sheets, academic transcripts, grade reports, final examination results, diplomas and degree certificates from every college or university attended showing dates attended, course titles, grades obtained, credit hours if any, and the conferral of a bachelor's degree
- An explanation of your university/college grading system to be provided along with transcripts
- Non-native English speakers applying for graduate study must submit an official English language proficiency examination. Scores must be sent directly from the testing service to Sacred Heart University. The following examinations and minimum scores are accepted: TOEFL score of 550 on the paper-based test or 80 on the TOEFL iBT, IELTS - 6.5, SHU ELI online placement exam - 80%, PTE - 62, iTEP - 5, ELS English for Academic Purposes - Level 112, Education First (EF) - C1, Cambridge Advanced English - 58, Cambridge Certificate in Proficiency in English (CAE) - 5.5, Cambridge Certificate in Proficiency in English (CPE) - 5.5
- For all university-level academic work completed outside the United States, an official course-by-course foreign credential evaluation is preferred with some graduate programs requiring submission. Please contact the Office of International Admissions for a list of approved evaluation companies.
- Copy of passport, specifically the page(s) containing identification data and signature of bearer
- An official certified bank statement or government financial guarantee in English and U.S. dollar figures, signed by a bank or government official and dated within six months of enrolling at Sacred Heart University verifying the student, the student's family, and/or the student's sponsor's ability to pay the full cost required to attend SHU for one year (tuition, room, board, books, travel expenses, health insurance, miscellaneous)

NOTE: Materials that are received by fax and email will be used as working documents only and are considered to be unofficial. Such documents may be used for making an admission decision; however, original or photocopies with a school seal and signature are required when a student enrolls at Sacred Heart University. Submission of falsified documents is grounds for denial of admission or dismissal from the University.

- Additional documentation as specified per graduate program

Upon acceptance to a graduate program, receipt of the student's passport and proof of the student's ability to afford the cost to attend Sacred Heart University for one year must be received as well as a non-refundable enrollment deposit and the student's payment for shipping an I-20. The Office of International Admissions will work closely with the University's PDSO to issue the student's I-20 for the purpose of obtaining an F-1 Visa. For more information on international admission, contact the Office of International Admissions at internationalenroll@sacredheart.edu.

NON-NATIVE ENGLISH SPEAKERS

Non-native English-language speakers applying for graduate study must submit official test scores forwarded directly from the testing service to Sacred Heart University. The following examinations are accepted: TOEFL, IELTS, Sacred Heart University's English Language Institute (online placement exam, CaMLA EPT, or MELAB), PTE, iTEP, ELS Level 112 English for Academic Purposes, the Cambridge Certificate in Advanced English, and the Cambridge Certificate in Proficiency in English.

- Test scores must be forwarded directly from the testing service to Sacred Heart University. For unconditional admission to an academic program, the following minimum scores are required:
  - TOEFL score of 550 on paper-based test or 80 on the TOEFL iBT
  - IELTS - 6.5
  - SHU ELI online placement - 80
  - SHU ELI CaMLA EPT - 70
  - SHU ELI MELAB - 80 (proctored on-site at SHU)
  - PTE - 62
  - iTEP - 5
  - ELS Level 112 English for Academic Purposes - x
  - Cambridge Certificate in Advanced English (CAE) - 5.5
  - Cambridge Certificate in Proficiency in English (CPE) - 5.5

INCOMPLETE APPLICATIONS

The Office of Graduate Admissions will keep incomplete applications on file for one year. If an application has not been completed after one year, it will be considered withdrawn. Withdrawn incomplete applications are destroyed after two years.

INTERVIEWS AND ADVISEMENT SESSIONS

The University encourages prospective graduate students to meet with a representative from the Office of Graduate Admissions regarding their opportunities for graduate study. The University
also suggests that prospective students meet with faculty advisors or program directors for academic advising. For more information on our various information sessions held throughout the year, call 203-365-7619.

Acceptance

Graduate students may be accepted under three categories: Fully Matriculated, Provisionally Accepted, or Special Student. The application process must be completed in order to be considered a "fully matriculated" or "provisionally accepted" student. "Special students" must register through the Office of Graduate Admissions.

FULLY MATRICULATED STUDENTS

Those who have met all of the requirements for admission and have been accepted by the graduate program are considered fully matriculated students.

PROVISIONALLY ACCEPTED STUDENTS

Applicants whose undergraduate cumulative GPA falls below the minimum standard for admission, those who require additional prerequisite coursework, or who may benefit from close academic supervision, those whose academic profile meets admissions standards but whose English language proficiency does not meet the minimum requirement may be admitted as provisionally accepted students. Provisionally accepted students must complete any requirements outlined in the letter of provisional acceptance sent by the Office of Graduate Admissions. Upon completion of the requirements, the application file will be reviewed for consideration as a fully matriculated student.

SPECIAL STUDENTS

Special students are those who are taking courses and have not decided to matriculate into a graduate program. Special students are considered non-matriculated students and may only complete a maximum of 6 to 9 credit hours at the University, per approval of the graduate program. Students who want to take courses beyond these initial credits must be admitted into a graduate program. This option is not available to all programs and it must be approved by the Office of Graduate Admissions.

Readmission

Graduate students who fail to maintain continuous enrollment in their graduate program must complete an application for readmission. Continuous enrollment is defined as attendance for one of any three terms (for the purposes of this policy, Late Spring and Summer count as one term) per academic year. The application for readmission must be submitted to the Office of Graduate Admissions. Students who are readmitted must adhere to the guidelines set forth in the current catalog. Graduate students who fail to register for more than six consecutive terms will be considered withdrawn from the University and must reapply under the current admission standards stipulated by the graduate program.

State Authorization Reciprocity Agreement

Sacred Heart University has been approved by Connecticut to participate in the National Council for State Authorization Reciprocity Agreements. NC-SARA is a voluntary, regional approach to state oversight of post-secondary distance education. For information regarding profession licensure by state, visit www.sacredheart.edu/aboutshu/consumerinformation/disclosuresandstudentcomplaints/

Transfer Credits and Residency Requirements

Graduate credits may be transferred to University graduate degree programs provided that these credits were taken within the past six years at the graduate level from a regionally accredited college or university. A minimum grade of B is required for the courses to be transferred. All courses are transferred at the discretion of the program director. Graduate credits taken at the University toward another graduate degree program can be applied using the same criteria as those applied to transfer credits. Regardless of the number of transfer credits allowed, 60% or more of the credits must be taken in residence at the University.
Expenses and Student Financial Assistance

Tuition and Fees

Graduate Tuition & Fees 2018-2019

Subject to University Board of Trustee approval

General Information

• All tuition and fees must be paid on or before registration for each semester or session unless prior arrangements have been made.
• Students will not be allowed to register with a prior balance.
• A degree will not be conferred and a transcript and/or educational verification will not be issued until all financial obligations to the University have been met.
• The University reserves the right to require any past balance to be paid by certified check.
• If Information regarding billing is needed, it is the student's responsibility to contact the Student Accounts Office at (203) 371-7925, prior to scheduled payment dates to avoid any late payment charges.
• Student Accounts representatives may only speak with the student regarding student account details, unless the student identifies an authorized user(s).
• Billing information is available by logging in to student's account at www.sacredheart.edu/studentaccounts

Tuition

Jack Welch College of Business

Full-time, flat-rate semester programs

Mandatory Fee:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Student Fee</td>
<td>$50 per semester</td>
</tr>
<tr>
<td>Doctor of Business Administration of Finance (Fall/Spring/Late Spring)</td>
<td>$11,300 per trimester</td>
</tr>
<tr>
<td>Master of Business Administration at Luxembourg/USA (Fall/Spring)</td>
<td>$15,660 per semester</td>
</tr>
</tbody>
</table>

Master of Finance and Investment Management (Fall/Spring/Late Spring) $1,215 per credit
Master of Science Computer Information Science (Fall/Spring/ Late Spring) $8,150 per trimester
Master of Science Cybersecurity (Fall/Spring/Late Spring) $8,150 per trimester

Per-Credit programs

Mandatory Fees:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Student Fee</td>
<td>$25 per semester</td>
</tr>
<tr>
<td>Library Fee</td>
<td>$40 per semester</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>$115 per semester</td>
</tr>
</tbody>
</table>

Master of Accounting $935 per credit
Master of Business Administration (MBA) $935 per credit
Master of Business Administration (MBA at Luxembourg/USA) $778 per credit
Master of Finance and Investment Management $1,215 per credit
Master of Science Computer Information Science $850 per credit
Master of Science Cybersecurity $925 per credit
Master of Science Digital Marketing $935 per credit
Master of Science Human Resource Management $935 per credit

College of Arts and Science

Full-time, flat-rate semester programs

Mandatory Fee:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Student Fee</td>
<td>$50 per semester</td>
</tr>
</tbody>
</table>

Master of Arts Film and Television (Fall/Spring/Late Spring) $8,375 per trimester
Master of Arts Film and Television Production (Fall/Spring/Late Spring) $7,125 per trimester
Master of Arts Media Literacy and Digital Culture - Full-Time (Fall/Spring/Late Spring) $9,480 per trimester
Master of Science Chemistry (Fall/Spring) $8,500 per semester
Master of Social Work (Fall/Spring) $11,250 per semester
Master of Sports Communication and Media (Fall/Spring/Late Spring) $11,820 per trimester

**Per-Credit programs**

**Mandatory Fees:**
- Graduate Student Fee $25 per semester
- Library Fee $40 per semester
- Registration Fee $115 per semester

Master of Arts Broadcast Journalism and Media Production $985 per credit
Master of Arts Criminal Justice $900 per credit
Master of Arts Film and Television Production $985 per credit
Master of Arts Media Literacy and Digital Culture $790 per credit
Master of Arts Public Administration $880 per credit
Master of Science Applied Psychology $880 per credit
Master of Science Chemistry $875 per credit
Master of Social Work $750 per credit
Master of Sports Communication and Media $985 per credit
Master of Strategic Communications and Public Relations $985 per credit
Isabelle Farrington College of Education

**Mandatory Fees:**
- Graduate Student Fee $25 per semester
- Library Fee $40 per semester
- Registration Fee $115 per semester

Fairfield Campus

Master of Arts in Teaching $760 per credit

Expenses and Student Financial Assistance
<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Occupational Therapy</td>
<td>$735 per credit</td>
</tr>
<tr>
<td>Orthopaedic Residency Program</td>
<td>$600 per credit</td>
</tr>
<tr>
<td>Speech-Language Pathology</td>
<td>$780 per credit</td>
</tr>
<tr>
<td>Advanced Graduate Certificate in Nursing Management &amp; Exec. Leadership</td>
<td>$850 per credit</td>
</tr>
<tr>
<td>College of Health Professions</td>
<td></td>
</tr>
<tr>
<td>Full-time, flat-rate semester programs</td>
<td></td>
</tr>
<tr>
<td><strong>Mandatory Fee:</strong></td>
<td></td>
</tr>
<tr>
<td>Graduate Student Fee</td>
<td>$50 per semester</td>
</tr>
<tr>
<td>Doctor of Physical Therapy (DPT) (Fall/Spring)</td>
<td>$19,300 per semester</td>
</tr>
<tr>
<td>Master of Science Athletic Training (Fall/Spring/Late Spring)</td>
<td>$11,250 per trimester</td>
</tr>
<tr>
<td>Master of Science in Exercise Science &amp; Nutrition (Fall/Spring)</td>
<td>$9,750 per semester</td>
</tr>
<tr>
<td>Master of Science in Healthcare Informatics (Fall/Spring/Late Spring)</td>
<td>$7,300 per trimester</td>
</tr>
<tr>
<td>Master of Science in Occupational Therapy (Fall/Spring/Late Spring)</td>
<td>$12,700 per trimester</td>
</tr>
<tr>
<td>Master of Science Physician Assistant (Fall/Spring/Late Spring)</td>
<td>$13,900 per trimester</td>
</tr>
<tr>
<td>Master of Science in Public Health (Fall/Spring/Late Spring)</td>
<td>$12,000 per trimester</td>
</tr>
<tr>
<td>Speech-Language Pathology Full Time Program (Fall/Spring/SS &amp; SU)</td>
<td>$13,600 per trimester</td>
</tr>
<tr>
<td><strong>Per-Credit programs</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mandatory Fees:</strong></td>
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<tr>
<td>Graduate Student Fee</td>
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<tr>
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<td>$40 per semester</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>$115 per semester</td>
</tr>
<tr>
<td>Doctor of Physical Therapy (DPT) (Winter/Summer)</td>
<td>$1,044 per credit</td>
</tr>
<tr>
<td>Healthcare Administration Certificate</td>
<td>$800 per credit</td>
</tr>
<tr>
<td>Master of Science in Exercise Science and Nutrition</td>
<td>$1,025 per credit</td>
</tr>
<tr>
<td>Master of Science in Healthcare Informatics</td>
<td>$775 per credit</td>
</tr>
<tr>
<td>Online Programs Tuition</td>
<td></td>
</tr>
<tr>
<td>Visit the SHU Online Programs website for tuition and fee information.</td>
<td></td>
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<tr>
<td>Study Abroad</td>
<td></td>
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<tr>
<td>Visiting the Study Abroad website for tuition and fee information.</td>
<td></td>
</tr>
<tr>
<td>Lab &amp; Program Fees</td>
<td></td>
</tr>
<tr>
<td>Audit Fee</td>
<td>$945 per course</td>
</tr>
<tr>
<td>Athletic Training Program Fee</td>
<td>$575 per trimester</td>
</tr>
<tr>
<td>DNP Continuous Enrollment Fee (NU-900)</td>
<td>$1,000</td>
</tr>
<tr>
<td>DNP/FNP Clinical Fee</td>
<td>$350</td>
</tr>
<tr>
<td>DSAP Education</td>
<td>$325</td>
</tr>
<tr>
<td>Family Nurse Practitioner Fee</td>
<td>$550</td>
</tr>
<tr>
<td>Healthcare Informatics Program fee</td>
<td>$75 per trimester</td>
</tr>
<tr>
<td>Healthcare Informatics Record Fee</td>
<td>$50</td>
</tr>
<tr>
<td>Leadership Intern Fee</td>
<td>$250/$125</td>
</tr>
<tr>
<td>Occupational Therapy Fee</td>
<td>$500 per trimester</td>
</tr>
<tr>
<td>Physical Therapy Clinical Education Fee (Summer 1 and 2)</td>
<td>$1,060 per each Summer</td>
</tr>
<tr>
<td>Physician Assistant Program fee</td>
<td>$500 per trimester</td>
</tr>
</tbody>
</table>
Expenses and Student Financial Assistance}

Practicum Certificate Advanced Studies $150
Special Education

Speech-Language Pathology Fee $400

Student Teaching Fee $325

Social Work Program Fee $250

Social Work Assessment Fee $30

Superintendent Certificate Program Fee $250

Master of Public Health Program Fee $250

Note: Additional Lab & Program fees may apply

Graduate Admissions Application Fee $75
(see Admissions)

Payment of Tuition and Fees

Students must be enrolled in a payment plan, paid in full and/or covered by Student Financial Assistance to attend a semester. If accounts are not paid to date, classes are subject to cancellation on a date determined by the University.

Pay in Full Payment Schedule: Students not enrolled in a payment plan must pay their account in full by:

- Fall semester: payment in full is due August 20
- Spring semester: payment in full is due January 1
- Winter & Spring Intensives: payment is due at registration
- Late Spring and Summer 1: payment in full is due April 22
- Summer 2: payment in full is due June 1

All Rates are subject to Board of Trustee approval. Charges listed above are subject to audit and do not constitute an official bill.

Visit www.sacredheart.edu/studentaccounts for more information

Other Fees

Other Fees

Application for Graduation Fee $160

Payment Plan Enrollment Fee $65 per plan (one per semester)

Guaranteed Payment Plan (GPP) $80 per plan (one per semester)

GPP Late Charge $90 per semester

Returned Check Fee $40

Other Fees

Application for Graduation Fee $160

Payment Plan Enrollment Fee $65 per plan (one per semester)

Guaranteed Payment Plan (GPP) $80 per plan (one per semester)

GPP Late Charge $90 per semester

Returned Check Fee $40

Payment of Tuition and Fees

Students must be enrolled in a payment plan, paid in full and/or covered by Student Financial Assistance to attend a semester. If accounts are not paid to date, classes are subject to cancellation on a date determined by the University.

Pay in Full Payment Schedule: Students not enrolled in a payment plan must pay their account in full by:

- Fall semester: payment in full is due August 20
- Spring semester: payment in full is due January 1
- Winter & Spring Intensives: payment is due at registration
- Late Spring and Summer 1: payment in full is due April 22
- Summer 2: payment in full is due June 1

After due date: payment is due at the time of registration. When payment is not received by the due date, a late fee will be assessed at the rate of .75% per month on the unpaid balance (annual rate of 9%), such charge to be computed from the due date.

Mail payments to: Sacred Heart University, Attn: Office of the Cashier, 5151 Park Avenue, Fairfield, CT 06825

For all payment options, review Student Accounts website: www.sacredheart.edu/studentaccounts

Monthly Payment Plan Options

Monthly payment plans are available. For further information about payment plans, contact the University's Student Accounts Office at (203) 371-7925 or refer to the Student Accounts webpage at www.sacredheart.edu/studentaccounts.
Guaranteed Payment Plan

This program enables part-time students to register for a term without tuition payment at the time of registration. Further information regarding the Guaranteed Payment Plan can be obtained on the Student Accounts webpage at www.sacredheart.edu/studentaccounts.

Withdrawal/Refunds

Withdrawals from courses must be made in person through the Office of the Registrar. Official withdrawal is necessary to assure the proper entry of grades on the transcript and the determination of any refund, if applicable. Refunds, which are issued by Student Accounts, are based on the full tuition charges. Failure to withdraw properly will result in the issuance of a withdrawal/failure (WF) grade. Those who improperly withdraw will be charged full tuition. Federal regulations require that veterans follow the University's withdrawal procedure or be liable for repayment of any benefits received. All refunds will be based on the refund schedule and determined by the date of notification to the Registrar's Office, not the date of the last class attended. Tuition refunds are based on the tuition charge:

- 100% before the start of classes/first week
- 80% before the second week
- 60% before the third week
- 40% before the fourth week
- 20% before the fifth week
- 0% after the fifth week

Registration and lab fees are nonrefundable unless the course is canceled.

Tuition refund for SHU Online programs is 100% prior to start of the first week, 80% the first week of classes, and 0% after the first week.

Refund Allocation Policy for Federal Financial Aid Funds


Official Withdrawal—Withdrawing from all courses is considered withdrawing from the University. If you do this before 60% of the semester is completed (approximately 8–9 weeks into the semester), your financial aid award will be recalculated according to the percentage of the semester you have completed. If awarded Title IV (federal) or state aid and you withdraw before completing 60% of the semester, some portion of financial aid must be returned. The formula determines what portion of the aid must be returned and the list below indicates the order in which the aid is returned.

Refunds to Federal Title IV programs are made in this order:
1. Federal Unsubsidized Stafford Loan
2. Federal Graduate Plus Loan
3. Other federal sources of aid
4. Other state, private, or institutional aid
5. The student

Refund examples are available in the Student Financial Assistance Office. It is important to discuss withdrawal and refund as it pertains to the individual student and its implications for federal student loan repayment and future eligibility for financial assistance.

(Days enrolled) – (Official breaks of five days or longer)

Total number of class days in the semester

Classes Offered in Modules

Students registered in classes offered in modules are course(s) that do not span the entire payment period (semester). An example of a module course(s) is two eight-week classes within a 16-week semester.
A student would not be considered withdrawn and no return to Title IV calculation would be processed:

- If a student provides written confirmation that they will return for another module in the same semester
- If a student does not provide written confirmation that they will return for another module in the same semester and does return, the Return to Title IV calculation will be reversed and the student will regain their prior eligibility.
- If a student drops a future module and is attending a current module course at the time of the drop a Return to Title IV calculation will not be performed. However, if the student’s enrollment status has changed, this may result in financial aid being adjusted.

Below are examples as to when a Return to Title IV calculation would be processed:

- Students are considered to be withdrawn if they don’t complete all the days they were scheduled to complete within a semester or module for which their aid was intended.
- If a student intends to return for another module in the same semester and does not return, the student is considered to have withdrawn based on the last day of attendance.

Financial Assistance

Qualified graduate students may be able to obtain financial assistance through a variety of programs. For further information on any of the programs listed below, contact the Office of Student Financial Assistance at 203-371-7980 or the sponsoring department.

TUITION DISCOUNTS

Diocesan Discounts are processed by the Office of Student Financial Assistance.

MAT students employed as teachers by the Dioceses of Bridgeport (call 203-365-4791), Hartford (call 860-396-8465), and Norwich (call 860-376-8408) are eligible for a tuition discount.

FEDERAL DIRECT STAFFORD LOANS

Graduate students who have been fully matriculated into the University and enrolled at least half-time, may be eligible to receive a federal Direct Unsubsidized Stafford Loan. This program is administered by the Office of Student Financial Assistance and each loan applicant is required to file a Free Application for Federal Student Aid (FAFSA) form with the U.S. Department of Education. Once a FAFSA form is processed and the information has been received by the University, the Office of Student Financial Assistance can assist the student in applying for a loan application. We suggest visiting http://www.sacredheart.edu/admissions/financialassistance/graduatestudents for additional information. Full-time graduate students may borrow a maximum of $20,500 per year from the Stafford program. Payment begins six months after graduation, withdrawal, or change to less than half-time status. The student has 10 years to repay the loan.

FEDERAL DIRECT GRADUATE PLUS LOAN

The Federal Direct Graduate PLUS Loan is for graduate/professional students who are interested in federal financing in addition to the Federal Unsubsidized Stafford Loan. Graduate PLUS Loans are available to credit-worthy U.S. citizens or eligible non-citizens. To process a loan, you must submit the Free Application for Federal Student Aid (FAFSA) and apply for a Federal Direct Unsubsidized Stafford loan. The amount you are eligible to borrow is determined by the total cost of your educational program less the amount you receive from the Federal Direct Unsubsidized Stafford loan and other financial aid.

FEDERAL TEACH GRANT

The TEACH Grant Program is a non-need based federal program that provides up to $4,000 per year to students enrolled in an eligible TEACH Grant program and who agree to teach as a high-qualified teacher in a high-need field, at a low-income elementary or secondary school for at least four years within eight years of completing the program for which the TEACH grant was awarded. If the grant recipient fails to complete the required teaching service, the TEACH grant is converted to a Federal Direct Unsubsidized Loan with interest accruing from the date the grant was disbursed. For additional information, please visit http://www.sacredheart.edu/admissions/financialassistance/graduatestudents/scholarshipsgrants/.

GI BILL/YELLOW RIBBON PROGRAM

The Yellow Ribbon GI Education Enhancement Program (Yellow Ribbon Program) is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. This program allows institutions of higher learning (degree-granting institutions) in the United States to voluntarily enter into an agreement with VA to fund tuition and mandatory fee expenses that exceed the national maximum amount payable under the Post-9/11 GI Bill ($23,671.94 as of the 2018-2019 academic year). Sacred Heart University and VA will contribute up to the remainder of the tuition and fees not covered by the national maximum. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive this funding. Students may be eligible if they served an aggregate period of active duty after September 10, 2001 of at least 36 months, if they were honorably discharged from active duty for a service-connected disability, and served 30 continuous days after September 10, 2001, or if they are dependents eligible for Transfer of Entitlement under the Post-9/11 GI Bill based on a veteran’s service under the eligibility criteria listed above. Active-duty service members and spouses of active duty service members using transferred entitlement are not eligible for the Yellow Ribbon Program. Under transferred entitlement, a child of an active duty service member is eligible for the Yellow Ribbon Program if the service member qualifies for the maximum benefit rate. For additional information please visit http://www.sacredheart.edu/officeservices/registrar/vabenefits/yellowribbonprogram/. Applicants are also encouraged to visit http://explore.va.gov/education-training.

GRADUATE RESEARCH ASSISTANTSHIPS

A limited number of graduate research assistantships are available. Assistantships usually carry some tuition remission as they assist faculty with research projects. Students should contact
the department directly concerning availability and eligibility requirements.

GRADUATE STAFF ASSISTANTSHIPS

A limited number of graduate staff assistantships are made available to graduate students who are fully matriculated and attend school on a full-time basis. Staff assistantships are chosen by the sponsoring academic or administrative department and often pay a stipend as well as some tuition remission. More information may be obtained from the Office of Student Financial Assistance at 203-371-7980.

RESIDENCE HALL DIRECTORS

Several residence hall director positions are available through the Office of Residential Life and Housing Services. These are live-in positions and are usually filled by those who are interested in pursuing a career in student services. Residence hall directors are fully matriculated graduate students who attend school on a part-time basis while fulfilling their job responsibilities for the Office of Residential Life. Criteria are very selective and hiring decisions are made in the spring for the subsequent fall term. For further information on this program, contact the Office of Residential Life and Housing Services at 203-416-3417.

FELLOWSHIPS

Department of Physical Therapy ("DPT") Emergency Fund

This fund provides emergency assistance to students that require monetary assistance with emergency situations such as travel cost associated with clinical education, family emergency travel, rent support, and the unexpected burdensome costs associated with the DPT program student status.

Luxembourg Student Fellowship

Established to assist students participating in the Luxembourg MBA Program.

Thomas G. Pepe Memorial Award

Established in memory of Dr. Thomas G. Pepe, this award provides support to an outstanding graduate student in the Isabelle Farrington College of Education.

Dr. Margaret Palliser Scholarship

Recipient must be in their final year of the DPT program. Must have interest and commitment to the rehab efforts of those suffering from lymphedema, breast cancer or related women's health problems. Must be in good academic standing and be recommended by Physical Therapy faculty.
College of Arts and Sciences

Robin L. Cautin, PhD
Dean
Phone: 203-396-8020 Fax: 203-396-8076
E-mail: cautinr@sacredheart.edu

The College of Arts and Sciences is the largest and most diverse of the five colleges at Sacred Heart University. In addition to the Bachelor of Arts, Bachelor of Science, and Associate degrees at the undergraduate level, the College of Arts and Sciences offers several innovative and dynamic graduate programs.

Graduate programs in Applied Psychology, Chemistry, Communication, Computer Science, Criminal Justice, Film and Television Production, Media Literacy and Digital Culture, and Sports Communication and Media offer students an ideal balance of hands-on, practical training and rigorous academic study. These programs of study are supplemented with a robust internship program, which prepares our graduate students for employment in the professional fields. As with all programs of study at Sacred Heart, our graduate students distinguish themselves through their pursuit of the common good and a commitment to high moral character.

Chemistry

EID ALKHATIB, PhD
Program Director
Phone: 203-365-7546
E-mail: alkhatibe@sacredheart.edu

Chemistry Laboratories

There are eight chemistry laboratories and five research laboratories serving the needs of inorganic chemistry, organic chemistry, physical chemistry, analytical chemistry, instrumental analysis, biochemistry, environmental chemistry, and computational chemistry. These laboratories contain the following major equipment:

Chromatography
PE HPLC Binary UV/Vis System with Series 200 Autosampler; Gow Mac 550P and two Gow Mac 69-400 TCD-P Gas Chromatographs; Shimadzu GC/MS 2010 Plus with Oil Eclipse Purge-and-Trap

Electrochemistry
Pine Dual Potentiostat System; EG&G Parc 264A and EG&G Parc 384 Polarographic Analyzer/Stripping Voltameter; EG&G Parc 303A SMDE Electrode; EG&G Parc 616 RDE Electrode

Spectroscopy
NMR 400 MHz; Flame and Graphite Furnace Atomic Absorption Spectrometer + Autosampler; Raman Spectrometer; four FT-IR Spectrometers including ATR, Ultraviolet/Visible

Master of Science in Chemistry

Sacred Heart University’s Graduate Chemistry program includes a number of graduates with a Bachelor of Science degree in Chemistry who are working in the region and aspire to an advanced degree in chemistry. The program is also composed of science graduates with a BS degree in other fields of science who are shifting career interests and want to obtain a degree in chemistry. Enrollment in this program allows these students to use their science background to obtain an advanced degree in chemistry without first obtaining a BS in Chemistry. This approach allows students to obtain a higher degree in the same time frame that it would have taken them to obtain just a BS in Chemistry. Local chemical industry scientists participate in the teaching of graduate courses. Students who opt to do research are allowed, if and when possible, to pursue their projects at their place of employment with joint supervision of their employer and University faculty. This allows students to work on relevant projects that interest them while at the same time increasing collaboration between the University and local industries.

Goals and Objectives

The Master of Science in Chemistry program builds on the strength of the University’s undergraduate Chemistry program. The program meets the needs of students and the chemical industry by offering a unique opportunity for career and personal advancement to employees of the local chemical industry, while serving the industry to employ and recruit better-qualified chemists. In order to serve part-time as well as full-time students, many graduate courses are offered in the evenings. This, together with the University’s ideal location, allows chemical industry employees to continue their study on a part-time basis while working full-time and thus take advantage of tuition reimbursement programs offered by their employers.
**Courseloads**

Both full-time and part-time graduate students are enrolled in the program. Full-time students must enroll in 9 credit hours per semester. This allows them to finish the degree requirements in two years. Part-time students are expected to enroll in 3 to 6 credit hours per semester. This allows them to finish the degree requirements in three years or less. The department normally offers two graduate courses in the summer to expedite students' need to complete their degrees in a timely manner.

**Student Transfer Credit Policy**

Transfer credits are granted for appropriate graduate-level courses with a grade of B or better, taken at other regionally accredited institutions. Students, however, must complete at least 70 percent of the required credits including the thesis (when applicable) at Sacred Heart University, plus pass the comprehensive exam, in order to obtain an MS degree in Chemistry.

**Admission Requirements**

Admission to the program is in January and September of each year. Full-time students are expected to finish the degree requirements in four semesters. Part-time students may require at least three years. The University's graduate admission policy is observed when admitting students to the program. Applicants with a BS degree in Chemistry or Chemical Engineering are accepted based on their undergraduate performance in chemistry and other supporting subjects. Applicants with a BS degree in other areas of science and mathematics are admitted after completing the appropriate courses in chemistry in order to meet individual graduate course prerequisites.

Students who have obtained their BSc in Chemistry from a university/college outside of the United States (i.e., international students) and students who have a non-chemistry BSc from a U.S. school are required to take an ACS standardized test in general chemistry and organic chemistry before registering for classes. Students who do not perform satisfactorily on the exam will be required to take undergraduate course(s) in general and/or organic chemistry.

**DEGREE REQUIREMENTS**

The tracks of study leading to an MS degree in Chemistry are:

- MS in Chemistry, Thesis Option
- MS in Chemistry, Non-Thesis Option
- MS in Molecular Biochemistry, Non-Thesis Option
- MS in Chem-Bioinformatics, Non-Thesis Option—interdisciplinary chemistry and computer science

**MS in Chemistry, Thesis Option**

Thirty (30) semester hours of approved graduate credits must be completed for the degree with a minimum grade point average (GPA) of 3.0. Students must complete a 12-credit core plus a thesis.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 521 Advanced Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

**MS in Chemistry, Non-Thesis Option**

Thirty-four (34) semester hours of approved graduate credits must be completed for the degree with a minimum GPA of 3.0. Students must complete 12 credits of core plus 22 elective credits.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 521 Advanced Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

**MS in Molecular Biochemistry, Non-Thesis Option**

Thirty-four (34) semester hours of approved graduate credits must be completed for the degree with a minimum GPA of 3.0. Students must complete 16 credits of core courses plus 18 elective credits.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 521 Advanced Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

### Course Options

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 522</td>
<td>Organic Synthesis</td>
<td>3</td>
</tr>
<tr>
<td>CH 530</td>
<td>Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 531</td>
<td>Advanced Physical Chemistry I: Molecular Structure</td>
<td>3</td>
</tr>
<tr>
<td>CH 532</td>
<td>Advanced Physical Chemistry II: Molecular Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>CH 551</td>
<td>Advanced Analytical Instrumentation I: Spectroscopy</td>
<td>3</td>
</tr>
<tr>
<td>CH 552</td>
<td>Advanced Analytical Instrumentation II: Chromatography</td>
<td>3</td>
</tr>
<tr>
<td>CH 553</td>
<td>(CH 355) Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 599</td>
<td>Thesis</td>
<td>3+3 CH</td>
</tr>
</tbody>
</table>

### Required Courses

- **Advanced Organic Chemistry**: CH 521
- **Physical Chemistry**: CH 530
- **Advanced Physical Chemistry I: Molecular Structure**: CH 531
- **Advanced Physical Chemistry II: Molecular Dynamics**: CH 532
- **Advanced Analytical Instrumentation I: Spectroscopy**: CH 551
- **Advanced Analytical Instrumentation II: Chromatography**: CH 552
- **(CH 355) Advanced Inorganic Chemistry**: CH 553
- **Thesis**: CH 599
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 563</td>
<td>Biochemical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CH 597</td>
<td>Computational &amp; Bioanalytical</td>
<td>3</td>
</tr>
<tr>
<td>CH 598</td>
<td>Comprehensive Exam - Oral</td>
<td>1</td>
</tr>
</tbody>
</table>

*MS in Chem-Bioinformatics, Non-Thesis Option*

Thirty-six (36) semester hours of approved graduate credits must be completed for the degree with a minimum GPA of 3.0. Students must complete 22 credits of core courses plus 14 elective credits. CS 504 Introduction to Programming Using Scripting (3 credits), or equivalent, is an additional program requirement.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 521</td>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Organic Synthesis</td>
<td>3</td>
</tr>
<tr>
<td>CH 531</td>
<td>Advanced Physical Chemistry I: Molecular Structure</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 545</td>
<td>Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>CH 553</td>
<td>(CH 355) Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 590</td>
<td>Chemical Information: Sources &amp; Technology</td>
<td>3</td>
</tr>
<tr>
<td>CH 598</td>
<td>Comprehensive Exam - Oral</td>
<td>1</td>
</tr>
<tr>
<td>CS 603</td>
<td>Database Design (Oracle)</td>
<td>3</td>
</tr>
<tr>
<td>CS xxx</td>
<td>Machine Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Students electing the non-thesis options are required to pass a comprehensive exam. Students are required to take electives from graduate-level courses in chemistry and no more than six credits of other approved courses in other related areas of science, mathematics, physics, biology, and computer science.

### Elective Courses (for all four tracks)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 524</td>
<td>Special Topics in Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 525</td>
<td>Supramolecular Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 526</td>
<td>Medicinal Chemistry &amp; Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>CH 529</td>
<td>NMR Spectroscopy &amp; Lab</td>
<td>3</td>
</tr>
<tr>
<td>CH 533</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 534/534L</td>
<td>Organic Structure Determination</td>
<td>3</td>
</tr>
<tr>
<td>CH 539</td>
<td>Special Topics in Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 545</td>
<td>Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>CH 547</td>
<td>Computation Chemistry &amp; Molecular Modeling</td>
<td>3</td>
</tr>
<tr>
<td>CH 549</td>
<td>Special Topics in Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 554</td>
<td>Special Topics in Electroanalytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 556</td>
<td>Chemical Applications of Group Theory</td>
<td>3</td>
</tr>
<tr>
<td>CH 559</td>
<td>Special Topics in Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 561</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 565</td>
<td>Environmental Sampling &amp; Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CH 571</td>
<td>Polymer Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 590</td>
<td>Chemical Information: Sources &amp; Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

### BS/MS Combined Degree in Chemistry

(Only for students completing their undergraduate degree in chemistry at SHU)

This is a five-year undergraduate/graduate accelerated track. Students who complete this track receive both BS and MS degrees. Students must elect this track in their freshman, sophomore, or junior year and must apply to the graduate school at Sacred Heart University by the end of the first semester of their junior year. Traditional and biochemistry concentrations are available at the undergraduate level. Students are required to complete 145 credits of undergraduate and graduate-level courses and a thesis. The thesis involves 6 credits of original research.

### Communication and Media Studies

**ANDREW MILLER, PhD**

Director of CMS Graduate Programs

Phone: 203-396-8087

E-mail: millera@sacredheart.edu

The Department of Communication and Media Studies (CMS) offers four graduate degrees: Master of Arts in Communication, Master of Arts in Film and Television Production, Master of Arts in Media Literacy and Digital Culture, and a Master of Arts in Sports Communication and Media.

### Masters of Art in Broadcast Journalism and Media Production

The Master of Arts in Broadcast Journalism and Media Production (BJMP) program at Sacred Heart University is an intensive hands-on approach to learning for the Broadcast Journalist, Photojournalist, Videographer, Documentary Filmmaker and Television Production Specialist. The program is broken into six eight-week segments that offer the student the opportunity to explore their interests and master their craft. Students can finish as quickly as one year taking classes two nights each week or in two years taking classes one night each week.

Students are also issued a MacBook Pro laptop and software that you get to keep after graduation and are issued your own DSLR kit for the duration of the program.

### Master of Arts in Communication
The Master of Arts in Communication (MACOMM) is a 36-credit program with three certificate options in Corporate Communications and Public Relations (CCPR), Digital Multimedia Journalism (DMJ), and Digital Multimedia Production (DMP). The required courses in theories, methods, and ethics will lay the conceptual and technical foundation for the applied learning sequence of multimedia production courses. These courses, in turn, prepare the student for internships and the capstone mentorship experience, which culminates in the creation of a digital portfolio ("digifolio") of the student's work. By the completion of the degree, students will have compiled a portfolio of materials that demonstrates advanced skill sets for their respective job sectors. MACOMM students' productions are also consistently distributed, broadcast, and/or published through various media outlets while they are completing their multimedia production, internship, and mentorship coursework. MACOMM students acquire the social, artistic, and technical skills necessary to create substantive and professional multimedia communication projects, presentations, and artifacts. Students gain the necessary skills to succeed in a professional context, including effective communication; time management, teamwork, and problem-solving; and planning, organizing, and leading in a professional context. The MACOMM students learn with industry-standard digital technologies and software used to produce and distribute multimedia content. In addition, students developed a theoretical, historical, and practical understanding of the relationship of media to democracy and society, and the profound ethical and social responsibilities that come with being a professional communicator.

Goals and Objectives

Corporate Communication and PR students will learn how to plan, create, and distribute multimedia productions within organizations and to the public or consumers. CCPR gives students interested in working in a corporate or non-profit environment the professional multimedia skills that are increasingly attractive to a wide range of employers in a competitive job market and in the twenty-first century workplace. The focus of the Digital Media Journalism concentration will be on updating the skill sets of practicing journalists while also training aspiring journalists to be a one-person crew and "all-platform" news producers in the post-print digital era. The post-print journalism era provides new opportunities for news producers and new media journalists trained in the latest technologies and multimedia techniques. The Digital Multimedia Production option will allow students to gain advanced production skills by completing a broader range of projects than the CCPR and DMJ counterparts. DMP students retain a more general focus, or in close consultation with their faculty advisor, can tailor their production work to concentrate on sport/athletic communication, advertising and promotional multimedia production, or digital filmmaking.

Admission Requirements

A bachelor's degree from an accredited institution and official transcripts from all undergraduate institutions attended are required. A one-page personal statement describing career goals and reasons for interest in the program, along with two letters of recommendation and a professional résumé are also required. No previous media production experience or communication coursework is required to complete the MACOMM Program. Accepted students will take an online preassessment survey, and the appropriate MACOMM training workshops will be offered to ensure that all students have the necessary technical skills to begin the program.

DEGREE REQUIREMENTS

There are foundational courses in theories, methods, and ethics; a sequence of multimedia production courses; required internships; and a capstone portfolio project completed in close consultation with a faculty mentor or a MACOMM-partnered professional mentor from the student's field of interest.

MACOMM Required Courses (21 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 501</td>
<td>Media, Culture, &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 502</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 503</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 517</td>
<td>Multimedia Production I</td>
<td>3</td>
</tr>
<tr>
<td>CM 518</td>
<td>Multimedia Production II</td>
<td>3</td>
</tr>
<tr>
<td>CM 617</td>
<td>Advanced Multimedia Production</td>
<td>3</td>
</tr>
<tr>
<td>CM 627</td>
<td>Capstone in Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td></td>
</tr>
</tbody>
</table>

MACOMM Concentrations (12 Credits)

Corporate Communications and Public Relations (CCPR)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 692</td>
<td>Internship I and II</td>
<td>3 CH each</td>
</tr>
<tr>
<td>CM 693</td>
<td>Digital Portfolio &amp; Mentorship I</td>
<td>3 CH each</td>
</tr>
</tbody>
</table>

Digital/Multimedia Journalism (DMJ)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 502</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 503</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 517</td>
<td>Multimedia Production I</td>
<td>3</td>
</tr>
<tr>
<td>CM 518</td>
<td>Multimedia Production II</td>
<td>3</td>
</tr>
<tr>
<td>CM 617</td>
<td>Advanced Multimedia Production</td>
<td>3</td>
</tr>
<tr>
<td>CM 627</td>
<td>Capstone in Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
<td></td>
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</tbody>
</table>

Digital/Multimedia Production (DMP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 502</td>
<td>Media, Culture, &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 503</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 504</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 505</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 506</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 507</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 508</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 509</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 510</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 511</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 512</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 513</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 514</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 515</td>
<td>Professional Communication in the Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>CM 516</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 517</td>
<td>Multimedia Production I</td>
<td>3</td>
</tr>
<tr>
<td>CM 518</td>
<td>Multimedia Production II</td>
<td>3</td>
</tr>
<tr>
<td>CM 617</td>
<td>Advanced Multimedia Production</td>
<td>3</td>
</tr>
<tr>
<td>CM 627</td>
<td>Capstone in Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One Elective</td>
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</tbody>
</table>

Master of Arts in Strategic Communications and Public Relations

Allow your skills to shine with the cutting-edge training you need to succeed in corporate communications, public relations, and strategic multimedia production.

At Sacred Heart, we pair theory and practice in a master's program that provides essential communications knowledge and exciting, hands-on experience. Through this program, you will:

- Gain the advanced skills needed to communicate effectively across a variety of media platforms
- Learn to plan, create and distribute multimedia content
- Acquire skills that will help you succeed in various segments of the media industry, including corporate communications, public relations, social media, advertising, broadcasting, entertainment television and film
- Develop a theoretical, historical and practical understanding of the fields of strategic communication, media studies and public relations
- Study the ethical and social responsibilities that come with being a professional communicator
- Develop the technical skills necessary to create and implement strategic communication campaigns, events and presentations
• Enhance your communication, time management, teamwork, problem solving, planning, organizing and leadership skills
• Complete an internship and capstone project

Master of Fine Arts in Film and Television Production

The Film and Television Masters Programs (MFA and MA) offered by the School of Communication and Media Arts at Sacred Heart University are "conservatory style" programs devoted to cinematic storytelling across all platforms.

Our program is designed to foster the next generation of storytellers through dynamic workshops and independent projects. FTMA’s home is in the heart of Connecticut’s “Creative Corridor” with close ties to nearby New York City. Focusing on story and hands-on production, students learn the craft and techniques that will empower them to stand out in today’s media market. Our program is especially unique in that our students complete their own professional portfolio while going beyond the classroom into professional environments. Through partnerships with media companies and guidance from industry professionals, our students tailor their concentration to meet their career needs.

Communication Certificates

In addition to the full master’s degree, the MACOMM program also offers three 12-credit graduate certificates consisting of CM 501, CM 502, CM 517, and an internship and portfolio mentorship in the certificate’s area of concentration. Courses taken as part of a certificate may be applied to the full MACOMM degree upon admission to the degree program.

Master of Arts in Film and Television Production

The Master of Arts in Film and Television Production (FTMA) is a 36-credit program offered at SHU’s Stamford Graduate Center at Landmark Square. FTMA students acquire the artistic and technical skills necessary to create substantive and professional film and television productions or artifacts using the latest digital technologies, equipment, and software. Students will develop a theoretical, aesthetic, and historical understanding of film and television as narrative media and as industries. Students will learn all of the aspects of film and television production from narrative, screenwriting, cinematography, editing, lighting, and post-production to directing, producing, marketing, and distribution. The degree has a professional focus and a pedagogical approach through which students “learn by doing” in hands-on courses that produce real-world projects and are taught by established film and television scholars and industry professionals. The FTMA program will provide the education necessary for students to compete nationally for jobs in film and television, and to join the region’s thriving film and television production industry. Each FTMA student will leave with a portfolio of professional artifacts in her or his area of concentration (film or television).

Our goal is to inspire and empower students to find their independent, artistic, and intellectual visions by creating their own content. Students immerse themselves in the form and techniques of film, television, and transmedia storytelling. FTMA offers small class sizes centered on in-class lectures, workshops, and hands-on productions. Every student works closely with a mentor or industry professional, who also serves as that student’s artistic and academic advisor for the entire year-long program.

Students tailor their professional skills based on their individualized goals while our faculty guides them toward completing meaningful projects and developing professional partnerships. FTMA students complete the one-year program with real work experience and a finished professional reel ready for the job market.

Goals and Objectives

Specific learning goals and objectives for students in the MA in Film and Television Production Program include:

• Acquiring the social, artistic, and technical skills necessary to create substantive and professional film and television productions or artifacts.
• Acquiring the skills necessary to succeed in today’s job market and work environment, including effective communication and time management, teamwork and problem-solving, and planning, organizing, and leading in a professional context.
• Becoming proficient in the use of the industry-standard digital technologies, equipment, and software used to produce and distribute professional film and television content.
• Developing a theoretical, historical, and practical understanding of the social and ethical dimensions of the film and television as storytelling media and modes of communication.
• Understanding the economics and structure of the film and television industries, from the production process through distribution.

Admission Requirements

A bachelor’s degree from an accredited institution and official transcripts from all undergraduate institutions attended are required. A personal statement describing career goals and reasons for interest in the program, along with a short creative writing sample, two letters of recommendation, and a professional résumé are also required.

DEGREE REQUIREMENTS

There are foundational course in theories and methods, a sequence of advanced production courses, an internship, and a capstone portfolio project completed in close consultation with a faculty mentor or an FTMA-partnered professional mentor from the student’s field of interest.

FTMA Required Courses (36 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 505</td>
<td>The Art of Storytelling in Film &amp; Television</td>
<td>3</td>
</tr>
<tr>
<td>CM 515/615</td>
<td>Directing for Film &amp; Television I and II</td>
<td>3 CH each</td>
</tr>
<tr>
<td>CM 525/625</td>
<td>Writing for Film &amp; Television I and II</td>
<td>3 CH each</td>
</tr>
<tr>
<td>CM 535</td>
<td>Producing for Film &amp; Television I</td>
<td>3</td>
</tr>
<tr>
<td>CM 594/694</td>
<td>Capstone in Film Production I</td>
<td>3 CH each</td>
</tr>
</tbody>
</table>
Master of Arts in Media Literacy and Digital Culture

The Master of Arts in Media Literacy and Digital Culture (MLDC) teaches students the media literacy skills necessary to critically analyze the intersections of media and culture while fostering their creativity and social awareness. This program focuses on a holistic understanding of media, including production processes and industry practices, critical investigation of content and changing technologies, and the impact of stories and images on audiences.

MLDC offers two different areas of concentration: Children, Health, & Media (CHM) and Media & Social Justice (MSJ). The Children, Health, & Media concentration focuses on media impact on the minds, bodies, and relationships of children, teens, and tweens, while the concentration in Media & Social Justice explores the role of media in reinforcing or challenging power and inequality in social and institutional relationships.

By focusing on the relationship between media and culture, MLDC students become creative and socially aware professional communicators who are able to demonstrate theoretical knowledge and applied skills in a twenty-first century workplace.

Admission Requirements

A bachelor’s degree from an accredited institution and official transcripts from all undergraduate institutions attended are required. A personal statement describing career goals and reasons for interest in the program, along with two letters of recommendation and a professional résumé are also required.

DEGREE REQUIREMENTS

MLDC students can choose either the Children, Health, & Media (CHM) or Media & Social Justice (MSJ) track. Full-time students can complete the degree in one year by taking two classes each semester, while part-time students typically finish in two years.

MLDC Required Courses (27 credits)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 501</td>
<td>Media, Culture, &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 503</td>
<td>Media Ethics in a Professional Context</td>
<td>3</td>
</tr>
<tr>
<td>CM 540</td>
<td>Foundations in Media Literacy</td>
<td>3</td>
</tr>
<tr>
<td>CM 541</td>
<td>The Great Debates of Media</td>
<td>3</td>
</tr>
<tr>
<td>CM 542</td>
<td>Media Literacy: Design &amp; Implementation</td>
<td>3</td>
</tr>
<tr>
<td>CM 544</td>
<td>Teens &amp; Media</td>
<td>3</td>
</tr>
<tr>
<td>CM 545</td>
<td>Health &amp; Media</td>
<td>3</td>
</tr>
<tr>
<td>CM 546</td>
<td>Race &amp; Representation</td>
<td>3</td>
</tr>
<tr>
<td>CM 547</td>
<td>Gender, Identity, &amp; Media</td>
<td>3</td>
</tr>
<tr>
<td>CM 548</td>
<td>Media &amp; Social Movements</td>
<td>3</td>
</tr>
</tbody>
</table>

Master of Arts in Sports Communication and Media

With academic and professional tracks in Sports Broadcasting and Athletic Communications & Promotions, the Master of Arts in Sports Communication and Media (SCM) is specifically designed from a humanities tradition to showcase multimedia production and capitalize on Sacred Heart University’s ideal geographic location in the heart of the U.S. sports media industry. Students will receive training in the art and craft of digital storytelling across multiple
media platforms from traditional television to contemporary social media as they move through a program designed to produce responsible and participatory citizens with well-developed critical thinking skills. Thus, students who move through SCM will acquire the knowledge and technical skills to pursue careers in the digital world of athletic communications and sports broadcasting as they develop a theoretical, aesthetic, and historical understanding of the professional communication field of sports media.

As they complete this 36-credit program, SCM students will have the opportunity to create real-world multimedia productions for NCAA Division I sports teams, for broadcast, and for nationally recognized sports media companies. SCM students will produce in-depth presentations, campaigns, and written work in addition to leaving with practicum and internship experiences that showcase both their production skills and critical thinking ability.

Through the program's emphasis on a hands-on curriculum, graduates of SCM will learn the advanced twenty-first century professional skills necessary to communicate effectively across a variety of media platforms in the specific area of sports media.

**Admission Requirements**

A bachelor's degree from an accredited institution and official transcripts from all undergraduate institutions attended are required. A personal statement describing career goals and reasons for interest in the program, along with two letters of recommendation and a professional résumé, are also required.

**DEGREE REQUIREMENTS**

SCM students can choose either the Sports Broadcasting (SB) or Athletic Communications & Promotions (ACP) track. Full-time students can complete the degree in one year by taking two classes each semester, while part-time students typically finish in two years.

**SCM Required Courses (36 credits)**

- CM 550: Sport Communication in the Digital Age 3
- CM 551: Sport, Culture, & the Media 3
- CM 555: Sports Media Production 3
- CM 556: Sports Event Production 3
- CM 561: Studio Sports Broadcasting 3
- CM 562: Sports Journalism 3
- CM 565: Sport Communication & Social Media 3
- CM 566: Sports Media in a Professional Context 3
- CM 656-657, CM 696/697: SB; only required to take practicum 1 or internship 1

**SPORTS COMMUNICATION AND MEDIA GRADUATE CERTIFICATES**

In addition to the full Master's degree, the SCM program also offers two 15-credit graduate certificates as follows:

**Sports Broadcasting Certificate**

- CM 550: Sport Communication in the Digital Age 3
- CM 551: Sport, Culture, & the Media 3
- CM 555: Sports Media Production 3
- CM 556: Sports Event Production 3
- CM 656-657: Sport Communication Practicum I and II 3 CH each
- CM 696/697: Internship I and II 3 CH each

**Athletic Communications and Promotions Certificate**

- CM 550: Sport Communication in the Digital Age 3
- CM 551: Sport, Culture, & the Media 3
- CM 565: Sports Media in a Professional Context 3
- CM 656-657: Sport Communication Practicum I and II 3 CH each
- CM 696/697: Internship I and II 3 CH each
- CM 656-657, CM 696/697: ACP; only required to take practicum 1 or internship 1

**Criminal Justice**

**LESLEY DENARDIS, Ph.D.**

Program Director for the Master of Criminal Justice Program (MACJ)
Phone: 203-371-7834
E-mail: denardisl@sacredheart.edu

**Master of Arts in Criminal Justice**

**Goals and Objectives**

The Master of Arts in Criminal Justice program provides students with comprehensive knowledge of all components of the criminal justice system. This program is designed to be rigorous and challenging academically, but flexible to meet individual student interests. The program is open to individuals with undergraduate degrees in any field of study. Thirty (30) credits are required to graduate from the program, which may be completed on a part-time or full-time basis. Students must complete 12 credits of
required courses plus an additional 18 elective credits. Students may also choose a 12-credit concentration of their own design. Examples of concentrations in management and national security are shown. The program also awards life-experience credit to eligible students. Up to 6 credits can be earned by students demonstrating substantial experience that is relevant to the educational program. Students are also required to prepare a thesis. The thesis is a 3-credit course and is part of the overall 30-credit requirement. In lieu of the thesis requirement, students may opt for the comprehensive exam plus one additional elective course.

Admission Requirements

Although applications are reviewed on a rolling basis, the University has a priority deadline of March 1 for fall admittance and November 1 for spring admittance for financial aid considerations. A Bachelor of Arts or Science with a minimum GPA of 3.0 from a four-year accredited institution and official transcripts from all undergraduate institutions attended are required. Two letters of recommendations and a personal statement, plus the completed graduate application and application fee are also required.

DEGREE REQUIREMENTS

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 500</td>
<td>Foundations of Criminal Law &amp; Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CJ 501</td>
<td>Theories &amp; Analysis of Crime</td>
<td>3</td>
</tr>
<tr>
<td>CJ 502</td>
<td>Critical Issues in the Administration &amp; Management of the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 581</td>
<td>Methods of Research Design &amp; Statistical Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses (18 credits)

The program offers a variety of courses covering all aspects of the criminal justice system. Choose six:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 503</td>
<td>Law, Society, &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CJ 504</td>
<td>Issues in the Administration of the Adult &amp; Juvenile Correctional Systems</td>
<td>3</td>
</tr>
<tr>
<td>CJ 505</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 506</td>
<td>Victimology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 507</td>
<td>Organizational Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CJ 508</td>
<td>Capital Punishment</td>
<td>3</td>
</tr>
<tr>
<td>CJ 509</td>
<td>Criminal Behavior &amp; the Family</td>
<td>3</td>
</tr>
<tr>
<td>CJ 510</td>
<td>Criminal Profiling</td>
<td>3</td>
</tr>
<tr>
<td>CJ 511</td>
<td>Emergency Management</td>
<td>3</td>
</tr>
<tr>
<td>CJ 513</td>
<td>Issues in National Security</td>
<td>3</td>
</tr>
<tr>
<td>CJ 514</td>
<td>Domestic &amp; International Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CJ 515</td>
<td>Budgetary Planning in Public Agencies</td>
<td>3</td>
</tr>
<tr>
<td>CJ 581</td>
<td>Methods of Research Design &amp; Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CJ 601</td>
<td>Internship/Practicum Experience in Criminal Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration in National Security (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 510</td>
<td>Criminal Profiling</td>
<td>3</td>
</tr>
<tr>
<td>CJ 511</td>
<td>Emergency Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Psychology

WILLIAM MAYER, PsyD
Program Director
Phone: 203-365-4859
E-Mail: mayerw@sacredheart.edu

Master of Science in Applied Psychology

Goals and Objectives

The Master of Science in Applied Psychology (MSAP) program provides students with the knowledge and skills to apply the science of human behavior to solve practical real-world problems. The program is built on a scientist-practitioner model in which students gain a solid foundation in the science of psychology and learn to apply this knowledge and skill set to practical real-world problems. With its strong foundation in research methods and quantitative reasoning and its numerous connections with community agencies, schools, and corporations, the program provides excellent preparation for a wide variety of careers in today's data-driven economy. Students are particularly well prepared for a variety of leadership positions in governmental, community, and corporate settings. The program offers a unique delivery system of 8-week courses that allows students to complete their degrees in one calendar year by taking courses in our on-campus program. One may also choose to take a more moderate pace by participating in the online aspect of the program. A minimum of 36 credits are required to graduate from the program. Students must complete a 20-credit core curriculum (and may be required to complete an additional 4 credits of prerequisite coursework) and 6 credits of capstone/thesis work. The remaining 12 credits are fulfilled with the completion of four elective courses. Students may choose to complete those 12 credits by participating in one of two concentrations (industrial-organizational psychology or community psychology) or they may choose to take a combination of the two concentrations to graduate with a general degree. In addition, students may choose to begin by completing a certificate in either industrial-organizational psychology or community psychology.

Admission Requirements

Applications are reviewed on a rolling basis. A Bachelor of Arts or Science with a minimum GPA of 3.0 from a four-year accredited institution and official transcripts from all undergraduate institutions attended are required. If the applicant's undergraduate degree is not in psychology, then the completion of a prerequisite psychology course is required. Two letters of recommendations and a
statement of professional goals are also required. GRE scores are preferred.

PROGRAM REQUIREMENTS

Prerequisite Requirements

The following prerequisite course will be required for those who wish to pursue the MSAP program. The course must be completed with a grade of B or better. If a candidate has completed sufficient past coursework, this prerequisite requirement may be waived by the director.

PS 450 Foundations of Applied Psychology

Required Courses (20 credits)

PS 500 Foundations of Applied Psychology
PS 520 Developmental Issues Across the Lifespan
PS 525 Identifying & Managing Psychopathology
PS 550 Applied Research Methods & Statistics
PS 551 Individual Psychological Assessment & Appraisal
PS 552 Program Development & Evaluation

Required Capstone/Thesis Courses (6 Credits)

Option 1:
PS 595 Capstone Project I

Option 2:
PS 590 Comprehensive Exam
PS 596 Capstone Project II

Concentration in Industrial Organizational Psychology (12 credits)

PS 530 Personnel Psychology
PS 531 Organizational Behavior
PS 532 Job Analysis, Competency Modeling, & Criterion Development
PS 533 Employee Training & Development

Concentration in Community Psychology (12 credits)

PS 540 Foundations of Community Psychology
PS 541 Theories of Counseling & Personality
PS 542 Counseling Methods & Techniques
PS 543 Community Health Psychology

General Track (12 Credits)

In consultation with an academic advisor, students choose four electives from the above concentrations, PS 599, or other appropriate graduate courses.

Public Administration

Lesley DeNardis, Ph.D.
Program Director for the Master of Public Administration (MPA) Program

Tel: 203-371-7834
denardisl@sacredheart.edu

The Master of Public Administration (MPA) degree at Sacred Heart University will provide you with the skills to thrive in the 21st century public and non-profit workplace.

As part of the MPA degree at Sacred Heart, you can choose from the following concentrations to better match your existing skills and experience, as well as your career objectives in the future:

- **Non-profit Management**: develop managerial skills such as financial administration, strategic planning, human resources and fundraising to help nonprofits fulfill their core missions
- **Emergency Management**: increase your skills and capabilities in disaster management and preparedness at the federal, state and local level and in private industry
- **Self-designed concentration**: allows student to pursue a self-designed concentration tailored to their professional needs and interests

Masters in Public Administration

Sacred Heart University students with a major in Political Science and a 3.0 grade point average are eligible for the accelerated program, which leads to the completion of both Bachelor of Science (BS) and Master of Arts (MA) degrees in five years. Eligible students can take up to six credits of graduate-level coursework in their senior year that can be applied to both degrees. Students should speak with their academic advisor in the Department of Government, Politics and Global Studies at the beginning of their junior year of study to discuss eligibility.

DEGREE REQUIREMENTS

Required Courses (24 credits)

PAD 500 Principles of Public Administration
PAD 505 Budgeting Public Sector and Non-Profit Organizations
PAD 510 Human Resource Management for Public Sector and Non-Profit Organizations
PAD 515 Data Analytics and Information Technology for the Public Sector
PAD 520 Public Policy and Law
PAD 599 Capstone Seminar
CM 502 Professional Communication in the Digital Age
SW 524 Human Diversity & Social Justice

Non-Profit Management Concentration (12 credits)

PAD 525 Non-Profit Management and Leadership

Credit(s)
PAD 530 Fundraising for Non-Profits 3 credits

Choose 2 courses from the following:

PAD 535 Program Development and Evaluation 3 credits
PAD 540 Non-Profit Financial Management 3 credits
PAD 545 Social Entrepreneurship 3 credits

Emergency Management Concentration (12 credits)

PAD 550 Emergency Planning and Preparedness 3 credits
PAD 555 Disaster Response Operations and Recovery 3 credits
PAD 560 Risk Assessment and Decision-making 3 credits
CJ 514 Domestic and International Terrorism 3 credits

General Concentration (12 credits)

Choose from any of the non-profit and emergency management electives plus any of the general concentration courses for a total of four concentration courses.

SW 565 Social Welfare Policy and Services 3.00 Credit(s)
SW 566 Social Welfare as a Social Institution 3.00 Credit(s)
HR 610 Performance Management 3
HR 611 Workforce Management & Talent Development 3
HR 612 Strategic Human Resources 3
HR 613 Diversity & Inclusion 3
MPH 407 Public Health and Health Care Systems 3
MPH 409 Policy in Public Health 3
MPH 550 Community Health Development credits 3
MPH 551 Essential Community Services credits 3

Master of Social Work

DEGREE REQUIREMENTS

The MSW degree is a total of 60 credits for the full program.

A capstone project is required for graduation and incorporates both the generalist and specialized course work.

Emergency Management Concentration (12 credits)

PAD 550 Emergency Planning and Preparedness 3 credits
PAD 555 Disaster Response Operations and Recovery 3 credits
PAD 560 Risk Assessment and Decision-making 3 credits
CJ 514 Domestic and International Terrorism 3 credits

General Concentration (12 credits)

Choose from any of the non-profit and emergency management electives plus any of the general concentration courses for a total of four concentration courses.

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Master of Social Work

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The MSW degree is a total of 60 credits for the full program.

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PAD 550 Emergency Planning and Preparedness 3 credits
PAD 555 Disaster Response Operations and Recovery 3 credits
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CJ 514 Domestic and International Terrorism 3 credits

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Master of Social Work

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HR 612 Strategic Human Resources 3
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MPH 407 Public Health and Health Care Systems 3
MPH 409 Policy in Public Health 3
MPH 550 Community Health Development credits 3
MPH 551 Essential Community Services credits 3

Master of Social Work

DEGREE REQUIREMENTS

The MSW degree is a total of 60 credits for the full program.

A capstone project is required for graduation and incorporates both the generalist and specialized course work.
Elective Courses (6 credits)

Beginning Fall 2018:

SW 540 Aging and Gerontology  
SW 545 Addiction  
SW 550 Loss and Life Transition  
SW 555 Children and Families  
SW 560 Spirituality

Electives (3 credits each):

SW 545 Addiction  
SW 550 Loss and Life Transition  
SW 555 Children and Families  
SW 560 Spirituality  
SW 565 Aging and Gerontology

Electives (3 credits each):

SW 545 Addiction
The Jack Welch College of Business

JOHN CHALYKOFF, PhD
Dean
Phone: 203-396-8084
Fax: 203-371-7869
E-mail: chalykoffj@sacredheart.edu

Mission Statement

The Jack Welch College of Business (WCOB) mission is to foster a continuous and inquisitive learning community rooted in the Catholic intellectual tradition, to provide students with business knowledge and appropriate skills, and to develop undergraduate and graduate students prepared to achieve their personal and professional goals in the business community and global society.

Who We Are

Our learning community includes faculty members who are teachers, scholars, and experienced professionals supported by administrative staff members, undergraduate and graduate business students, alumni, and members of companies and organizations who provide employment, internships, and advice.

What We Value

Rooted in the Catholic intellectual tradition, we value scholarship as contributing to learning, understanding, and the search for truth. We stress the primacy of teaching as the focus of our work and value active, engaging, and personalized learning experiences in and outside of the classroom. We believe personal attention fosters the growth and development of our students, and strive to develop individuals who will act ethically and responsibly. We find strength in the rich diversity of the human family and invite participation in our community by persons of varied races, faith traditions, ethnic backgrounds, and diverse opinions and beliefs. We value academic excellence in all of our programs.

What We Do

To fulfill our mission, we teach and advise students. We foster academic rigor. We emphasize ethical dimensions in our curricula, promote active participation by students in the learning process, include experiential learning, and incorporate appropriate technology and teaching techniques in our classes. As faculty, we engage in research to understand and contribute to the development of our discipline, its practice, and the ways in which it is taught. We partner with the business community to improve practice and align our curricula to evolving business needs, and also work collaboratively to ensure that students develop an awareness of and appreciation for the resources and expertise available to them from the faculty and Sacred Heart University community. We give service to our college, university, profession, and the wider community, and emphasize to our students the importance and intrinsic rewards of being good citizens and the responsibilities of being educated persons.

Graduate Programs Offered

The College of Business offers the Doctorate of Business Administration (DBA) in Finance, the Master’s in Business Administration (MBA), the Master of Science in Accounting (MSA), the Master of Science in Digital Marketing (MSDM), the Master of Science in Finance and Investment Management (MSFIM), and the Master of Science in Human Resource Management (MSHRM).

School of Computer Science and Engineering

KHAWAJA MAMUN, PhD
Associate Dean
Phone: 203-371-7857
Fax: 203-365-7694
E-mail: mamunk@sacredheart.edu

Goals and Objectives

The University confers Master of Science degrees in Computer Science and Information Technology (MSCSIT) with tracks in Computer Science (CS) and Information Technology (IT). It also confers a Master of Science in Cybersecurity (MSCYB). In addition to the two degrees we offer graduate certificates in .NET Technology, Computer Gaming Design & Development, Cybersecurity, Database Design, Information Technology, IT & Network Security, Web Development & Interactive Multimedia, and Coding Bootcamp, which are some of the most lucrative and dynamic fields in the contemporary marketplace. Students choose their curriculum track based on their educational and career interests. Course content includes use of software such as VB.net, Adobe CC, Java, C++, C#, ASP.net, and content such as interactive multimedia, data communications, network security, Oracle, Artificial Intelligence (AI), and software engineering. Many classes are held in the evenings or on Saturday mornings. Some courses are offered during the day. This structure accommodates working full-time students as well as those who may wish to participate in internships during the day.

Admission Requirements

Applications are processed on a rolling basis. Applicants should have a cumulative undergraduate GPA of 3.0 or better. However, students may be admitted provisionally if their cumulative GPA is better than 2.5. Such students are allowed to take up to 12 credit hours and must maintain a 3.0 GPA in those courses. Provisional students who have completed 12 credit hours will then be considered for full matriculation. Except under unusual circumstances, applicants with a cumulative GPA of less than 2.5 are not admitted. A GPA of 3.0 is required to maintain good standing in the program and for graduation. All prospective students must complete an application for admission, submit official transcripts from each college or university attended (including Sacred Heart University), and forward two letters of recommendation and a résumé. Course waivers (to a maximum of 9 credits) are granted based on a student’s academic record.

Program Prerequisites

Students who do not have a bachelor’s degree in Computer Science or in a related field may be required to complete prerequisite coursework before full admission is granted. The
The number of courses is determined by which track a student chooses to pursue.

**Master of Science in Computer Science and Information Technologies (MSCIS): Tracks**

**COMPUTER SCIENCE TRACK**

*Prerequisite Requirements*

The following prerequisite courses may be required for those who wish to pursue the Computer Science track. All courses are to be completed with a grade of B or better. Additional prerequisites may be recommended by the program director. All students are required to complete the following coursework unless waived by the program director:

- CS 500 Introduction to Structured Programming 3
- CS 501 Introduction to Data Structures 3

**COMPUTER SCIENCE MASTER'S DEGREE TRACK PROGRAM**

The Computer Science track is ideal for those who wish to pursue advanced study in areas of programming, data structures, and fundamental computer language design.

**Requirements**

This track requires completion of a minimum of 36 credit hours of graduate-level coursework. Students may be required to complete an additional 6 credit hours of prerequisite coursework. Students with an undergraduate degree in Computer or Information Science may receive waivers for up to 6 credits. Course waivers are not granted for work experience. A thesis is not required; however, for those students in the scientific track who elect to complete a thesis, they must enroll in CS 670 Thesis I and CS 691 Thesis II. Those who do not elect to complete a thesis must complete at least three credits of CS 670 Research Project Seminar. A degree will be granted upon satisfactory completion of all coursework and a favorable recommendation of the faculty responsible for CS 670 or CS 690 and CS 691.

**Required Courses (30-33 credits)**

- CS 551 Introduction to Object-Oriented Programming with Java 3
- or
- CS 559 C# Programming 3
- CS 603 Database Design (Oracle) 3
- CS 604 Advanced Software Engineering 3
- CS 611 Operating/Multiprogramming Systems 3
- or
- CS 615 Programming in Unix 3
- CS 614 Theory of Computation 3
- CS 622 Network Security I 3
- or
- CS 626 Intro to Cybersecurity 3
- CS 625 Cryptography 3
- CS 616 Machine Learning 3
- CS 617 Artificial Intelligence 3
- CS 650 Big Data Analytics 3

**Electives (3-6 credits)**

The following is a partial list of electives. A maximum of 6 credits can be an MBA (MGT) offering. It is at the discretion of the academic program director to approve any other CS or MBA course as an appropriate elective. All courses are 3 credits.

- CS 504 Introduction to Programming Using Scripting 3
- CS 557 Web Programming with ASP.NET 3
- CS 571 Computer Gaming 3
- CS 572 OOP with C# and Games 3
- CS 573 Advanced Game Programming 3
- CS 616 Machine Learning 3
- CS 629 Ethical Hacking 3
- CS 631 Data Warehousing 3
- CS 632 Advanced Database Topics 3
- CS 633 Advanced Database Programming 3
- CS 639 Vulnerability Management 3

**INFORMATION TECHNOLOGY TRACK**

*Prerequisite Requirements*

The following prerequisite courses may be required for those who wish to enter the Information Technology track. All courses are to be completed with a grade of B or better. Additional prerequisites may be recommended by the program director. Pre requisite courses cannot be taken concurrently.

- CS 500 Introduction to Structured Programming 3
- or
- CS 559 C# Programming 3
- CS 603 Database Design (Oracle) 3
- CS 604 Advanced Software Engineering 3
- CS 611 Operating/Multiprogramming Systems 3
- or
- CS 615 Programming in Unix 3
- CS 614 Theory of Computation 3
- CS 622 Network Security I 3
- or
- CS 626 Intro to Cybersecurity 3
- CS 625 Cryptography 3
- CS 616 Machine Learning 3
- CS 617 Artificial Intelligence 3
- CS 650 Big Data Analytics 3

**INFORMATION TECHNOLOGY MASTER'S DEGREE TRACK PROGRAM**

The Information Technology (IT) track is a new, innovative program designed specifically to accommodate the dynamic demands of the contemporary marketplace. With the exponential growth of the Internet and the wide-ranging ramifications of the accompanying technologies, the IT track will prepare individuals for careers that utilize, or are affected by, the latest technological advances and methods of modern business and industry.

**Requirements**

This track requires completion of a minimum of 36 credit hours of graduate-level coursework. Students may be required to complete an additional 6 credit hours of prerequisite coursework. However, students with an undergraduate degree in Computer or Information Science may receive waivers for some courses. Course waivers are not granted for work experience.

**Required Courses (30 credits)**

- CS 551 Introduction to Object-Oriented Programming with Java 3
- or
- CS 690 Thesis I 3
- and
- CS 691 Thesis II 3

**Electives (3-6 credits)**

- CS 670 Research Project Seminar 3
- or
- CS 690 Thesis I 3
- and
- CS 691 Thesis II 3
Choose 2 of the following: (6 credits)

- CS 557 Web Programming with ASP.NET
- CS 558 Machine Learning
- CS 559 Artificial Intelligence

Elective Courses (6 credits)

A maximum of 6 credits can be an MBA (MGT) offering. It is also at the discretion of the academic program director to approve any other CS or MBA course offering as an appropriate elective. The following is a partial list of electives:

- CS 568 Operating Systems
- CS 569 Computer Networks
- CS 570 Network Security
- CS 571 Computer Gaming
- CS 572 OOP with C# and Games
- CS 573 Advanced Game Programming

Degree Total: 36 credits

CERTIFICATE PROGRAMS

Coding Boot Camp Certificate

The Coding Boot Camp Graduate Certificate provides a strategy for graduate students looking to change or accelerate their careers. Students will learn to think like professional coders and write effective, efficient code. Depending on previous coding experience, students will take either 4 or 6 graduate programming courses offered from the actual MSCSIT degree program at Sacred Heart University. The advantage of this certificate is that all courses taken for graduate credit can be applied to the full master's degree. The need for effective programmers is growing rapidly and this certificate can be completed by any student with a bachelor's degree in any field.

CERTIFICATE REQUIREMENTS (12 CREDITS)

The program requires the student to complete a minimum of twelve (12) semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501 (see below).

Prerequisite Courses (6 credits, if required)

- CS 500 Introduction to Structured Programming
- CS 501 Introduction to Data Structures

Required Courses

- CS 504 Introduction to Programming Using Scripting
- CS 551 Introduction to Object-Oriented Programming with Java
- CS 552 Windows Interface Design (VB.net)
- CS 553 Web Design with JavaScript
- CS 559 C# Programming

Computer Gaming Design and Development Certificate

The graduate certificate in Computer Gaming Design & Development is designed for the graduate student who has not pursued a computer gaming track or major on the undergraduate level. It will give students an excellent introduction to the field of computer gaming design and development, and courses taken may be applied to a full MSCIS degree. This certificate is NOT designed for those students who have already completed significant coursework in computer gaming.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master's program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master's program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)

- CS 500 Introduction to Structured Programming
- CS 501 Introduction to Data Structures

Required Courses

- CS 571 Computer Gaming
- CS 572 OOP with C# and Games
- CS 573 Advanced Game Programming
- CS 662 Game Design, Development and Implementation

Certificate Total: 12–18 credits, depending on prerequisite requirements

Cybersecurity Certificate
The Graduate Certificate Program in Cybersecurity is designed to provide individuals with an introduction to information security, risk, threat management, security architecture, and skills to effectively address the constantly changing threat landscape faced by people, companies, and governments today. The courses in the certificate program will:

- provide a broad knowledge of networking and network security;
- provide an overview of proper technology risk management practices;
- help the individual be able to identify new and existing threats and determine methods to mitigate them;
- provide the individual the skills to handle security incidents; and
- provide the individual with an introduction to building secure and defendable systems.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 621 and CS 622. Students matriculated in the master's program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master's program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)

- CS 621 Principles of Data Communication 3
- CS 622 Network Security I 3

Required Courses (9 credits)

- CS 626 Intro to Cybersecurity 3
- CS 627 System Security 3
- CS 628 Security Management 3

Elective Courses (3 credits)

Choose one:
- CS 629 Ethical Hacking 3
- CS 641 Securing the Cloud 3
- CS 642 Securing the Client/Server 3

Certificate Total: 12–18 credits, depending on prerequisite requirements

The Data Analytics Certificate includes coursework delivered primarily through the Department of Computer Science and Information Technology, with some electives offered by the Welch College of Business. At the completion of the Data Analytics graduate certificate, students may apply to the Master of Science in Computer Science, Master of Science in Digital Marketing, or Master of Business Administration (MBA). If admitted to one of the degree programs, students may be able to use credits earned in the certificate program toward the degree as electives. Furthermore, candidates who earn a minimum 3.5 GPA in the certificate program are eligible for a GMAT exam waiver when applying to the Digital Marketing or MBA programs.

CERTIFICATE REQUIREMENTS

Prerequisite Courses (3 credits, if required)

Statistics: University-level Statistics course

Required Courses (6 credits)

- CS 650 Big Data Analytics 3
- CS 651 Big Data Infrastructure 3

Required Elective (3 credits, choose one)

- MK 662 Analysis of Consumer Decisions 3
- CS 652 Algorithms for Statistical Learning 3

Elective Courses (1 out of the following courses)

- CS 631 Data Warehousing 3
- CS 637 Professional Responsibility: Cybersecurity: Policies & Practice 3
- MK 680 Applied Topics in Digital Marketing 3

Please contact your admissions counselor for additional information.

Certificate Total: 12 credits

Database Design Certificate

The Database Design graduate certificate will help prepare the IT professional for a career as a database specialist or aid the newcomer in obtaining a job in this field. It will also prepare someone for one of many other information systems careers in which knowledge of database concepts, the design and implementation of databases, and data warehousing are important. One of the courses available in this program will include project development using Visual.NET-enabled databases or web-enabled databases.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master's program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master's program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.
Prerequisites Courses (6 credits, if required)

CS 500  Introduction to Structured Programming  3
CS 501  Introduction to Data Structures  3

Required Courses (12 credits)

CS 603  Database Design (Oracle)  3
CS 631  Data Warehousing  3
CS 632  Advanced Database Topics  3
CS 633  Advanced Database Programming  3

Note: CS 603 will be a prerequisite for CS 631, CS 632, and CS 633

Certificate Total: 12–18 credits, depending on prerequisite requirements

Information Technology Certificate

A student may choose to enroll in the Information Technology Graduate Certificate program to learn specific skills in the area of information technology. The certificate program is ideal for those who are undecided about committing to a full master's degree program but wish to pursue advanced study in this field.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master's program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master's program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)

CS 500  Introduction to Structured Programming  3
CS 501  Introduction to Data Structures  3

Required Courses (6 credits)

CS 552  Windows Interface Design (VB.net)  3
CS 554  Fundamentals of Interactive Multimedia  3

Elective Courses (6 credits)

Choose two:
CS 550  Dynamic Webpage Development  3
CS 552  Windows Interface Design (VB.net)  3
CS 563  Animation for the Web  3
or other electives as approved by the program director

Certificate Total: 12–18 credits, depending on prerequisite requirements

Interactive Multimedia Certificate

In response to the recent growth and use of multimedia applications in the modern business environment, this certificate has been explicitly designed for students who want to focus exclusively on the popular discipline of multimedia.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master's program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master's program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)

CS 500  Introduction to Structured Programming  3
CS 501  Introduction to Data Structures  3

Required Courses (6 credits)

CS 553  Web Design with JavaScript  3
CS 554  Fundamentals of Interactive Multimedia  3

Elective Courses (6 credits)

Choose two:
CS 550  Dynamic Webpage Development  3
CS 552  Windows Interface Design (VB.net)  3
CS 563  Animation for the Web  3
or other electives as approved by the program director

Certificate Total: 12–18 credits, depending on prerequisite requirements

IT and Network Security Certificate

Our country and, in fact, the entire world have become increasingly dependent on information technology as a means of staying competitive in business, industry, the arts, and commerce of all types. Education, electronic commerce, and the Defense Department are all areas that utilize technology on an exponentially expanding level with each passing year. But this dependence on and utilization of technology are accompanied by a growing risk of security issues that must be addressed if we are to thrive and survive in a technology-driven world. Inadequate security practices have left corporations vulnerable to a number of illegal activities such as computer fraud, telecommunications abuse, and unauthorized disclosure, modification, and destruction of information. National security has been and will continue to be threatened unless corporations and the government on all levels are able to effect and maintain sufficient computer security. The certificate program in IT & Network Security is designed to provide individuals with introductory networking, ethical, and security skills to effectively address the areas of concern mentioned above. The courses in the certificate program:

• provide an overview of networking protocols and how they can be secured;
• introduce the individual to an array of social and ethical issues that are incumbent on those in providing security; and
• provide the individual with an introduction to computer programming as it relates to the maintenance of security protocols.

Upon completion of the certificate program, the student will be better equipped to enter or continue as a professional in the cyber security field.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master’s program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master’s program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)
CS 500 Introduction to Structured Programming 3
CS 501 Introduction to Data Structures 3

Required Courses (9 credits)
CS 621 Principles of Data Communication 3
CS 622 Network Security I 3

Elective Courses (3 credits)
Choose one:
CS 625 Cryptography 3

Certificate Total: 12–18 credits, depending on prerequisite requirements

.NET Technology Certificate

The .NET Technology graduate certificate is a comprehensive and consistent programming model for building applications that can provide visually stunning user experiences and the ability to provide a multiple-tiered approach to creating and delivering a variety of applications for web-based programming. This certificate will allow the student to work with and build projects in several of the most common and widely used .NET applications including VB.net, C#, and ASP.net. All courses taken in this certificate program may be applied to a full MSCIS degree.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master’s program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master’s program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)
CS 500 Introduction to Structured Programming 3
CS 501 Introduction to Data Structures 3

Required Courses (9 credits)
CS 550 Dynamic Webpage Development 3
CS 552 Windows Interface Design (VB.net) 3
CS 553 Web Design with JavaScript 3
CS 557 Web Programming with ASP.NET 3

Elective Courses (3 credits)
Choose one:
CS 558 Advanced Topics in ASP.NET 3
or
CS 559 C# Programming 3

Certificate Total: 12–18 credits, depending on prerequisite requirements

Web Development Certificate

This program provides students with the background and technical skills needed for a comprehensive understanding of the development, design, and construction of professional webpages.

CERTIFICATE REQUIREMENTS

The program requires the student to complete a minimum of 12 semester credit hours of coursework with a minimum cumulative GPA of 3.0. There are two prerequisites to the certificate: CS 500 and CS 501. Students matriculated in the master’s program are not eligible for a graduate certificate. However, all course credits earned in a certificate program may be applied to the master’s program. Contact the program director to determine which, if any, graduate certificate credits may apply. Graduate admissions procedures must be followed.

Prerequisite Courses (6 credits, if required)
CS 500 Introduction to Structured Programming 3
CS 501 Introduction to Data Structures 3

Required Courses (12 credits)
CS 550 Dynamic Webpage Development 3
CS 552 Windows Interface Design (VB.net) 3
CS 553 Web Design with JavaScript 3
CS 557 Web Programming with ASP.NET 3

Certificate Total: 12–18 credits, depending on prerequisite requirements

Master of Science in Cybersecurity

PREREQUISITE COURSES

(if required)

The following prerequisite courses may be required for those who wish to pursue the Master’s in Cybersecurity. All courses are to be completed with a grade of B or better. Additional prerequisites may be recommended by the program director. All students are
required to complete the following coursework unless waived by
the program director:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 504</td>
<td>Introduction to Programming Using 3 Scripting</td>
<td>3</td>
</tr>
<tr>
<td>CS 505</td>
<td>Computer Networks</td>
<td>3</td>
</tr>
</tbody>
</table>

**CYBERSECURITY MASTER'S DEGREE PROGRAM**

The Graduate Master’s Program in Cybersecurity is designed to provide individuals with an introduction to information security, risk and threat management, and security architecture. It will give students the skills to effectively address the constantly changing threat landscape faced by people, companies, and governments today. The courses in the program will:

- provide a broad knowledge of networking and network security;
- provide an overview of proper technology risk management practices;
- help the individual to identify new and existing threats and to determine methods to mitigate them;
- provide the individual the skills to handle security incidents;
- provide the individual with an introduction to building secure and defendable systems; and
- respond to the pressing need for cybersecurity professionals in the 21st century.

**Requirements**

**Required Courses (27–30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 604</td>
<td>Advanced Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 622</td>
<td>Network Security I</td>
<td>3</td>
</tr>
<tr>
<td>CS 625</td>
<td>Cryptography</td>
<td>3</td>
</tr>
<tr>
<td>CS 626</td>
<td>Intro to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>CS 627</td>
<td>System Security</td>
<td>3</td>
</tr>
<tr>
<td>CS 628</td>
<td>Security Management</td>
<td>3</td>
</tr>
<tr>
<td>CS 635</td>
<td>Digital Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CS 641</td>
<td>Securing the Cloud</td>
<td>3</td>
</tr>
<tr>
<td>CS 642</td>
<td>Securing the Client/Server</td>
<td>3</td>
</tr>
<tr>
<td>CS 670</td>
<td>Research Project Seminar</td>
<td>3</td>
</tr>
<tr>
<td>CS 690</td>
<td>Thesis I</td>
<td>3</td>
</tr>
<tr>
<td>CS 691</td>
<td>Thesis II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses (6–9 credits)**

Choose two or three, depending on thesis work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 629</td>
<td>Ethical Hacking</td>
<td>3</td>
</tr>
<tr>
<td>CS 636</td>
<td>Secure Programming Techniques</td>
<td>3</td>
</tr>
<tr>
<td>CS 637</td>
<td>Professional Responsibility:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Cybersecurity: Policies &amp; Practice</td>
<td></td>
</tr>
<tr>
<td>CS 638</td>
<td>Concepts in Dynamic and Script</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Programming</td>
<td></td>
</tr>
<tr>
<td>CS 639</td>
<td>Vulnerability Management</td>
<td>3</td>
</tr>
<tr>
<td>CS 641</td>
<td>Securing the Cloud</td>
<td>3</td>
</tr>
<tr>
<td>CS 642</td>
<td>Securing the Client/Server</td>
<td>3</td>
</tr>
</tbody>
</table>

**CS 645**Advanced Digital Forensics 3

**CS 641, CS 642:** whichever not taken as requirement, see above

 Degree Total: 36 credits

**Doctor of Business Administration in Finance**

**LUCIAN T. ORLOWSKI,** PhD
Program Director, Professor
Office Phone: 203-371-7858
Fax: 203-371-7869
E-mail: orlowskil@sacredheart.edu

The DBA in Finance program is an applied research doctoral degree designed for finance executives and advanced business professionals who aspire to reach a higher level of professional development and to make a constructive contribution to their industry. Unlike the traditional PhD model that mainly prepares candidates for academic careers, the DBA in Finance program focuses on developing knowledge with direct global business applications and prepares graduates for high-level careers in financial institutions and other business organizations, consulting firms, government agencies, and academic careers that require an equivalent of a PhD degree from a reputable institution. Our cohort-based DBA in Finance program is highly focused and personalized, as it leads to specialized, original dissertation research projects matching the interests and career aspirations of our students.

The program is devised as an extension of graduate study beyond a master's degree in business and as a supplement to doctoral degrees in non-business fields. It is intended to train high-level critical thinkers and analytical minds who can contribute to the challenges of a complex and dynamic global business world. It can be also completed as a transitional/bridge program. In addition, the program provides doctoral-level education in finance for those who have earned doctorates in other business or quantitative disciplines.

**Program-Level Goals and Objectives**

In keeping with the program's mission and vision, five key program-level goals have been determined:

1. Our doctoral program graduates will be prepared for highly specialized careers in financial institutions, consulting firms, government agencies, other business organizations, and academic careers that require a PhD degree.
2. Our doctoral program graduates will acquire advanced, current knowledge in finance and gain research skills for conducting independent, complex financial projects.
3. Our doctoral program graduates will demonstrate creation of new knowledge through original research.
4. Our doctoral program graduates will gain global perspective on issues related to financial markets and institutions.
5. Our doctoral program graduates will comprehend and appreciate the importance of high ethical standards and values for finance professionals.
Degree Requirements

The DBA in Finance degree requires a student to complete 48 credit hours of graduate coursework after earning a relevant master's degree in business or related area. Students are expected to maintain satisfactory academic progress, pass a comprehensive examination, and write, submit, and defend a doctoral thesis. Only prior qualified doctoral work will be considered for transfer credits, and only in exceptional cases. The transfer authorization decision is made by the DBA in Finance program director in consultation with the chair of the Department of Economics and Finance. Students may be required to enroll in additional master-level courses upon entering the DBA in Finance Program depending on their academic background and area of concentration; however, the credits for these courses do not count toward the DBA in Finance degree.

The length of study in our DBA in Finance program is at a minimum of three and a maximum of seven years. An extension beyond the maximum seven-year period may be approved by the Jack Welch College of Business dean, but only under special circumstances specified in a student’s request. A minimum GPA of 3.0 (B) is required.

The DBA in Finance program curriculum is divided into three sections: business foundation courses, finance courses, and dissertation preparation:

1. Business Foundation Courses

The required courses provide the students with advanced knowledge in business foundations as well as business careers transition strategies (DBF 900 Business Strategy, Ethics, & Research and DBF 901 Career Transition Seminar).

2. Finance Courses

The finance courses reflect unique scholarly expertise of the SHU finance faculty and are taught by using an interactive seminar format and modern pedagogical tools. After successfully passing a comprehensive exam, a student writes an extended research paper under the guidance of a faculty member in preparation for a thesis proposal. Coursework may include independent study projects, research assistantships, and directed readings.

3. Dissertation Preparation

Students are offered assistance at various stages of their dissertation process. The dissertation seminars/advisory sessions help students develop their dissertation topics, design research, write initial drafts of a prospectus, collect data, write chapters, and prepare for the oral examination.

Comprehensive Field Examination

Within six months of the conclusion of required coursework, each student takes a comprehensive examination, which will evaluate the candidate’s ability to integrate the program course material. Students are allowed to proceed to dissertation courses (Year III) after successfully passing the comprehensive exam composed of questions from the business foundation and finance concentration courses. Students who fail the comprehensive exam must wait three months before attempting to pass the failed sections of the examination. A maximum of two attempts are allowed for this exam.

Doctoral Dissertation

Upon completion of the DBA in Finance coursework and passing the qualifying exam, students begin research that will lead to a doctoral dissertation. Since the DBA in Finance is an applied research degree, the doctoral dissertation must reflect original student research on a topic related to applied issues in finance or financial economics. A successful dissertation in our DBA in Finance program has to satisfy the following requirements:

1. It must be written within the context of the field of finance or financial economics and be consistent with the scholarly expertise of our DBA in Finance faculty.
2. It must be based on original research and add new knowledge to the discipline. Case studies and research papers that merely apply the existing knowledge to solving business problems do not qualify for a doctoral dissertation.
3. It must address up-to-date, relevant issues pertaining to financial markets or institutions in order to reflect the applied nature of our DBA in Finance program.

The doctoral dissertation committee consists of the faculty advisor and two other faculty members who will be selected in consultation with the faculty advisor and the DBA in Finance program director. The committee subsequently conducts the dissertation examination (oral defense). The doctoral thesis must be completed within two years of the coursework completion. Only full-time, academically qualified faculty members can chair dissertation committees and serve as thesis supervisors. An academically qualified adjunct faculty may serve as a dissertation committee member.

Delivery Format

The delivery method relies predominantly on "executive program style" meetings. The executive-style format encourages a collaborative environment. The weekend residency mode is based on face-to-face classroom instruction during the first two years of the program. The weekend residency requirement entails fifteen (15) two-day sessions each year. At any stage, the program is delivered in the way preserving its academic consistency, integrity, and overall high quality.

Admission Requirements

To be admitted to the DBA in Finance program, candidates must have completed a master's degree in business or the equivalent. Admission to the program is selective. An applicant is required to submit a statement of purpose, academic transcripts from prior studies, a proof of a relevant work experience of at least five years, and three letters of recommendation. Students with relevant doctoral-level degrees may be given credit toward their DBA in Finance degree based on their prior coursework at the discretion of the DBA in Finance program director in consultation with the chair of Department of Economics and Finance.

All applicants are required to submit evidence of the GMAT or the GRE. Waivers are possible and will be considered on a case-by-case basis. Students admitted to the program should have a strong mathematical background. The student’s GRE or GMAT scores

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may be considered along with other criteria such as evidence of industry experience and prior academic work. A master's degree in finance, economics, computer science, physics, or mathematics is a plus. Successful candidates for admission to our program must demonstrate a strong academic record (reflected in academic transcripts), appropriate work experience, as well as sound writing skills and research potential (documented by writing samples submitted with the application for admission).

Master of Business Administration

NADENE KOLIOPOULOS
Director of Graduate Programs
Martire Center, E355
Office Phone: 203-365-7660
Fax: 203-371-7865
E-mail: koliopoulosn@sacredheart.edu

The Master of Business Administration (MBA) program at the Jack Welch College of Business is designed to prepare individuals for successful careers in the complex world of business. The program prepares leaders who are global thinkers, socially responsible, and ethical decision-makers.

The MBA program is built on the pillars of:

- Leadership
- Commitment to fostering up-to-date, cutting-edge knowledge of business disciplines
- Ethical responsibility
- Global awareness

The MBA program is focused on the development of certain key competencies:

- Executional excellence and continuous improvement through attention to detail, rigorous analysis, and decision-making
- Accountability for decisions and actions of team and self, putting team goals ahead of individual goals, with the focus on contribution to the organization
- Persuasive communication that is articulate, candid, to the point, and leads to action
- Personal and professional interest and the belief that every person deserves space and dignity

Classes are conducted in the evening. The program serves both professionally employed students and accomplished students who recently received their undergraduate degrees. Both segments earn an advanced degree under the direction of faculty members who possess both academic credentials and pragmatic business expertise.

Program Objectives

The Welch MBA program goals:

- Our graduates will have a broad understanding of the business disciplines and functional skills critical to their roles as business professionals.
- Our graduates will explore ethical standards of behavior and develop their own frames of reference and standards to guide their professional behavior.
- Our graduates will have the oral and written communication skills required to compete effectively in the workplace.
- Our graduates will be able to identify factors that affect business practices in the global environment and propose decisions and actions that are appropriate in specific situations.
- Our graduates will be decision-makers and critical thinkers who use analytic and problem-solving skills.
- Our graduates will have an understanding of leadership theory and demonstrate managerial skills with an understanding of the global environment.

To help students achieve these objectives, the university relies on faculty members who are dedicated to teaching. The faculty combines broad business experience and academic training that define the unique learning experience at Sacred Heart University's Jack Welch College of Business.

The Welch MBA

The Welch MBA represents a new approach to graduate business education. The multidiscipline approach is structured to enable students to move beyond functional expertise to true leadership skill. In addition to personalized professional planning, the program features an integrated core taught in a "business process" approach. This core combines readings, case studies, and deliverables to provide a content-rich, stimulating learning experience.

Admission Requirements

Individuals who hold a bachelor's degree in any academic discipline from an accredited institution will be considered for admission to the MBA program. The applicant's undergraduate and post-graduate studies, GMAT score, essay, work experience, and recommendations are considered in the admission process.

Applicants with an undergraduate degree in business and satisfactory coursework in microeconomics, macroeconomics, and statistics from an accredited institution are generally eligible for the 36-credit program of study. Applicants without an undergraduate degree in business are generally required to complete up to an additional 9 credits of coursework.

In general, the minimum requirements for admission to the MBA program are an undergraduate GPA of 3.0 on a scale of 4.0, a GMAT score of 400, and two years of full-time professional work experience (excluding internships). The work experience must be significant and demonstrate:

- Oversight responsibility for the work of others, or
- Accountability for the tangible or intangible assets or accounts of others, or
- Responsibility for certifying the successful outcome of the work of others, or
As a general policy, the Welch College of Business requires the academic progress, career issues, or special needs.

Upon acceptance, students receive a copy of their planned academic program and are assigned a faculty advisor. Students are encouraged to meet periodically with their advisor to discuss academic progress, career issues, or special needs.

GMAT Waiver Policy

As a general policy, the Welch College of Business requires the GMAT of all applicants. GMAT waiver requests for the MBA and Masters in Digital Marketing program are considered on a case-by-case basis and are based on a combination of advanced academic credentials with a substantial history of professional achievement. Waivers are not automatic for any candidate.

Eligibility

- Those candidates who hold a graduate degree from an accredited institution and who graduated with an overall grade point average of 3.0 or better (or the equivalent of a "B" average under the system used by that institution). This includes terminal degrees such as JD, PhD, or MD.
- Those candidates who possess a recognized quantitative certification such as a CPA, CFA, CMA, CIA, or CFP.
- Those candidates who complete a graduate business program certificate at Sacred Heart University with a minimum grade point average of 3.5.
- Those candidates who complete an undergraduate degree program at Sacred Heart University with a minimum grade point average of 3.5 within two years of application. Sacred Heart students who have a cumulative grade point average of 3.5 at the end of their junior year will also be considered for the waiver.
- Those candidates who complete an undergraduate degree program at Sacred Heart University with a minimum grade point average of 3.5 within two years of application and those Sacred Heart students who have a cumulative grade point average of 3.5 at the end of their junior year have a high probability of receiving the waiver. Those candidates with a 3.0 cumulative grade point average will be considered for the waiver as part of their application review.
- Those candidates with five or more years of substantive work experience. Factors considered include scale and scope of responsibilities, managerial scope, and accountability for work product. A letter from an employer or supervisor detailing specific work responsibilities is not required but may be included in a letter of recommendation.

MBA Continuous Enrollment Policy

Graduate students in the MBA program must maintain continuous enrollment in the program. Students who fail to enroll for two consecutive terms (exclusive of summer term) must apply for admission. The MBA director may require the student to meet current admissions requirements as a condition of readmission. Applications for readmission should be submitted to the MBA office and will be reviewed by the MBA director. Students who are readmitted must adhere to the guidelines and curriculum in effect at the date of readmission.

Degree Requirements

A total of 36 credit hours of graduate coursework (excluding foundational courses) and a minimum GPA of 3.0 are necessary for completion of the Welch MBA program for candidates who are waived from the foundational coursework. Those who are not waived will need up to 9 additional credit hours of foundational coursework. In all cases, a minimum of 27 credit hours (excluding foundational coursework) must be taken at Sacred Heart University in the Welch MBA program.

Course Waiver Policy

Upon application, transcripts will be reviewed for possible course waivers. For students transferring from another accredited graduate program, the MBA director will review transcripts and make a determination of course equivalency. A maximum of 9 credits, plus the foundation courses, can be transferred. The three foundation courses, as well as WGB 602 and WGB 603, have formal waiver requirements. It is important to note that a strong working knowledge of economics, accounting, and finance is required for the integrated core courses (WGB 640 and WGB 641).

WGB 518 can be waived for those who have completed 3 credit in statistics with a grade of B or better. WGB 519 can be waived for those who have completed microeconomics and macroeconomics each with a grade of B or better. WGB 520 can be waived for those who have completed 3 credit hours in microeconomics or macroeconomics and 3 credit hours in statistics with grades of B or better in all.

WGB 521 can be waived for those with an undergraduate degree in business or in exceptional situations upon review of candidate work and academic experience by the MBA director.

For those who have completed an undergraduate degree in accounting within the last two years, WGB 602 can be substituted with AC 610, AC 617 or an elective approved by the MBA director.

For those who received an undergraduate degree in finance within the last two years, an elective in finance can be substituted for WGB 603.

Foundation Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGB 518</td>
<td>Introduction to Business Statistics</td>
<td>3.00</td>
</tr>
<tr>
<td>WGB WGB 519</td>
<td>Introduction to Economics</td>
<td>3.00</td>
</tr>
<tr>
<td>WGB WGB 520</td>
<td>Introduction to Economics and Statistics</td>
<td>3.00</td>
</tr>
<tr>
<td>WGB 521</td>
<td>Fundamentals of Management</td>
<td>3.00</td>
</tr>
</tbody>
</table>
Program Courses (27 credits)

In addition to the 9 credits of electives.

WGB WGB 602 Corporate Financial & Management Accounting 3
WGB 603 Financial Management 3
WGB 604 Business Competencies I 3
WGB 605 Business Competencies II 3
WGB 612 Leading & Influencing with Integrity 3
WGB 614 Social & Legal Responsibilities in Business 3
WGB 650 Strategic Integration 6
WGB 691 Welch Competency Demonstration & Implementation 3

BREADTH: Business Competencies
WGB 604 Business Competencies I 3
WGB 605 Business Competencies II 3

BREADTH Leadership Competencies
WGB 612 Leading & Influencing with Integrity 3
WGB 614 Social & Legal Responsibilities in Business 3

BREADTH Quantitative Competencies
WGB WGB 602 Corporate Financial & Management Accounting 3
WGB 603 Financial Management 3

Integrated Core Course
WGB 650 Strategic Integration 6

Electives (9 credits)

Three 600-level courses (3 credits each)

Capstone Course
WGB 691 Welch Competency Demonstration & Implementation 3

MBA Concentrations

Students may choose among five concentrations: accounting, finance, management, business analytics or marketing. There are some restrictions on available concentrations for students who intend to take their coursework exclusively at the Luxembourg campus location. Students who choose accounting, finance, management, business analytics or marketing must take three electives in the respective discipline. MBA students are eligible to take elective courses in the MSHR and MSDM programs. Students who do not meet the elective requirements for a concentration will simply receive an MBA.

Master of Science in Accounting

BARBARA E. TARASOVICH, DPS, CPA, CGMA
Director of Master of Science in Accounting Program
Associate Professor of Accounting
Phone: 203-416-3513
Fax: 203-365-7538
E-mail: tarasovichb@sacredheart.edu

The Master of Science in Accounting (MSA) program at the Jack Welch College of Business is designed to respond to a growing industry demand for professionally trained accountants. Graduates will learn and develop the fundamental concepts of accounting, effective accounting methods, and gain the knowledge and skills essential to pass the CPA exam.

Concentrations

The one-year Master of Science in Accounting program offered through the AACSB-accredited Jack Welch College of Business has two concentrations: forensic accounting and international accounting. The forensic accounting concentration will teach students how to apply forensic accounting principles in complex financial transactions such as mergers and acquisitions, bankruptcies, and contract disputes. The international accounting concentration is offered in response to the growing demand for international rules as a result of the globalization of business. Students will learn about the latest activities of the International Accounting Standards Board.

Program Benefits

The MSA program can be completed in one year with hybrid courses taken in a trimester format. Courses will be offered online with monthly Saturday seminars. Saturday classes will meet at our main Fairfield campus from 9 a.m.–5 p.m. Our faculty members are established scholars in the accounting field and the program content is essential as students prepare for the CPA exam.

Admissions Requirements

The following must be submitted and will be considered when applying:

- Online application and non-refundable application fee
- Official transcripts from all undergraduate institutions attended, with a minimum cumulative GPA of 3.0.
- GMAT*
- One-page personal statement, résumé, and two letters of recommendation

*Students who complete the undergraduate program in Accounting at Sacred Heart University with a 3.0 GPA will be waived from the GMAT requirement.

This program is designed for students with business-related undergraduate degrees. The following conditions must be met to earn a master's in accounting from Sacred Heart University's Jack Welch College of Business:

- Students with a baccalaureate degree in accounting are required to complete 30 credits for the program.
- Undergraduates enrolled in the five-year program are required to achieve an overall "B" average in all accounting courses and an overall GPA of 3.0 or better to remain in the program.

Students with a baccalaureate degree in other business areas but have completed 6 accounting credits (3 credits of financial accounting and 3 credits of managerial accounting) must take the following 12 credits as prerequisites for the program:

- Two intermediate accounting courses (3 credits each)
• Auditing (3 credits)
• Advanced accounting (3 credits)

Students with a baccalaureate degree in a field other than accounting or other business area are required to complete 15 credits of accounting and 15 credits of business prerequisites before an application to the MSA program will be considered.

ACCOUNTING COURSE REQUIREMENTS

The Master of Science in Accounting is a 30-credit degree program with two concentrations to choose from:

• International Accounting
• Forensic Accounting

Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSA 600</td>
<td>Financial Accounting Theory &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>MSA 610</td>
<td>Advanced Issues in Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MSA 621</td>
<td>Federal Taxation</td>
<td>3</td>
</tr>
<tr>
<td>MSA 630</td>
<td>Advanced Issues in Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MSA 631</td>
<td>Contemporary Issues in Auditing</td>
<td>3</td>
</tr>
<tr>
<td>MSA 641</td>
<td>Accounting &amp; Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MSA 690</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Students will select one of the following concentrations:

International Accounting Concentration (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSA 625</td>
<td>International Accounting &amp; Reporting</td>
<td>3</td>
</tr>
<tr>
<td>MSA 626</td>
<td>Global Financial Reporting &amp; Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MSA 699I</td>
<td>Master's Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Forensic Accounting Concentration (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSA 670</td>
<td>Forensic &amp; Investigative Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MSA 671</td>
<td>Understanding Business Valuation</td>
<td>3</td>
</tr>
<tr>
<td>MSA 699F</td>
<td>Master's Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Total: 30 credits

Master of Science in Digital Marketing

Prof. Jose Mendoza, DBA
Program Director, Assistant Professor of Marketing
Phone: 203-416-3463
Fax: 203-371-7869
mendozaj23@sacredheart.edu

The Master of Science in Digital Marketing (MSDM) program prepares students to meet the growing demand from employers for professionals educated in all aspects of digital marketing. Students who complete the new MS in Digital Marketing will:

• Gain foundational marketing knowledge;
• Get an overview of digital marketing's scope and purpose;
• Gain knowledge of today's digital marketing tools and their impact on business;
• Learn about methods for creating synergy and consumer segmentation;
• Learn about the development and use of digital marketing plans;
• Be aware of the ethical dimensions related to the digital marketing realm;
• Gain helpful information on calculating return on digital marketing investment; and
• Learn about online marketing tools and strategies (including display advertising, e-mail marketing, affiliate marketing, social media, copywriting for the web, search engine optimization [SEO], search engine marketing [SEM], and Web analytics).

Admission

In general, the minimum requirements for admission to the MSDM program are an undergraduate GPA of 3.0 on a scale of 4.0, a GMAT score of 400, and two years of full-time professional work experience (excluding internships). The work experience must be significant and demonstrate:

• oversight responsibility for the work of others, or
• accountability for the tangible or intangible assets or accounts of others, or
• responsibility for certifying the successful outcome of the work of others, or
• acquiring/analyzing data for the benefit of an employer or client

• current résumé and employer reference must be submitted with the application
• meeting the minimum admission requirements is no guarantee of acceptance into the program.

For those applicants without full-time work experience, the minimum GMAT score is generally 500, with an undergraduate GPA of 3.0.

GMAT Waiver Policy

As a general policy, The Welch College of Business requires the GMAT of all applicants for the Masters in Digital Marketing program. Waivers are considered on a case-by-case basis and are based on a combination of advanced academic credentials with a substantial history of professional achievement. Waivers are not automatic for any candidate but guidelines are similar to those for the MBA program provided above.

DIGITAL MARKETING COURSE REQUIREMENTS

The Masters in Digital Marketing program requires the completion of 36 credits as outlined below:

Marketing Strategy Foundation (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 651</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MK 672</td>
<td>Intro to Big Data Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>
MK 658 Consumer Marketing & Behavior 3
or
MK 662 Analysis of Consumer Decisions 3
MK 661 Marketing Management 3
MK 661: May be waived for students with substantial marketing experience.

Webpage Development and Design Foundation (9 credits)
CS 500 Introduction to Structured Programming 3
CS 550 Dynamic Webpage Development or CS 553 Web Design with JavaScript 3
MK 652 Web Design from a Marketing Perspective 3

Digital Marketing Module (15 credits)
MK 670 Intro to Digital Marketing 3
MK 671 Marketing Analytics 3
MK 674 Social Media Marketing 3
MK 680 Applied Topics in Digital Marketing 3
MK 680: Students will take two “topics” sections to fulfill the required credits.

Capstone Project or Thesis (3 credits)
MK 688 Capstone Thesis in Digital Marketing 3
or
MK 689 Capstone Project in Digital Marketing 3

Candidates with an undergraduate degree other than business will have to take 6 additional credits (two courses) before they start the program. The 6 credits are:
WGB 520, WGB 521: Can be waived with proven coursework in statistics and/or management, respectively.

Program Total: 36–42 credits

Master of Science in Finance and Investment Management

KWAMIE DUNBAR, PhD
Program Director, Associate Finance Professor
Phone: 203-396-8068
Fax: 203-371-7869
E-mail: dunbark@sacredheart.edu

The Master of Science in Finance and Investment Management (MSFIM) program at the Welch College of Business is designed for students who have a strong undergraduate background in mathematics or a related field. Our program caters to students in many different situations, including but not limited to:

- Practitioners seeking to enhance analytical and technical skills in investment management;
- Recent graduates interested in pursuing a career in the finance and investment industry;
- Candidates interested in pursuing the CFA designation;
- Those seeking a solid preparation before pursuing a DBA/PhD in Finance

Full-time Sacred Heart University faculty members teach in the master’s program, bringing a wealth of expertise to the classroom. The breadth of their specialties, together with their commitment to excellence in teaching and making a difference in individual students’ lives, enriches the program and the options available to students. Our faculty prepare students for careers in asset management, credit and market risk management, treasury operations, portfolio management, research and technical analysis, and corporate risk compliance, and are the same individuals who advise and consult with the major global players in the fields of investment banking, risk management, and central banking. Their research is published in some of the leading academic and practitioner research outlets in the world. Students in the Welch College of Business have direct access to these scholar professionals as expert lecturers and mentors.

Admission Requirements

- Final transcripts from all colleges and universities attended. A strong academic record is required with a minimum GPA of 3.0 (on a 4.0 scale) normally required.
- Graduate Record Exam (GRE) general test results or the Graduate Management Aptitude Test (GMAT) scores are required for all MSFIM applicants. A minimum GMAT score of 570 is required, but candidates with an outstanding academic record or work experience may be considered with GMAT scores of 500 and above.
- TOEFL or IELTS score. Test of English as a Foreign Language (TOEFL) results are required from all applicants who completed their previous degrees in a country where English is not the official and spoken language. The TOEFL requirement is 80 and the IELTS requirement is 6.5.

FINANCE AND INVESTMENT MANAGEMENT COURSE REQUIREMENTS

Prerequisite Courses (9 credits)

Candidates must demonstrate proficiency in all prerequisite courses. Students not having prior preparation will be required to satisfy these requirements by taking courses within the WCOB prior to commencing the MSFIM.

- MFIM 600 Calculus & Linear Algebra 3
- MFIM 601 Probability & Statistics 3
- MFIM 602 Financial Management 3

Foundational Core Courses (27 credits)

- MFIM 636 Quantitative Finance I 3
- MFIM 638 Financial Analysis & Firm Valuation 3
- MFIM 639 Business Economics 3
- MFIM 640 Investment Management 3
- MFIM 642 Advanced Derivatives & Risk 3
The Masters of Science in Human Resource Management (MSHRM) is designed for human resource professionals seeking upward mobility in the HR field and for professionals wishing to enter the HR field. The Human Resource Management program focuses on developing the next generation of senior HR leaders with a focus on HR as a strategic business partner with quantitative skills and high-level critical thinking skills that are necessary to succeed in a global business environment.

In general, the minimum requirements for admission to the part-time MSHRM program are an undergraduate GPA of 3.0 on a scale of 4.0 and three years of full-time professional work experience (excluding internships). The work experience must be significant and demonstrate:

• Oversight responsibility for the work of others, or
• Accountability for the tangible or intangible assets or accounts of others, or
• Responsibility for certifying the successful outcome of the work of others, or
• Acquiring/analyzing data for the benefit of an employer or client.

The minimum requirements for admission to the full-time MSHRM program are an undergraduate GPA of 3.0 on a scale of 4.0 and the completion of 3 credits of internship in the HR field during the program.

A current résumé and employer reference, as well as a personal essay, must be submitted when applying to either the part-time or full-time MSHRM program. Meeting the minimum admission requirements is no guarantee of acceptance into the program.

HUMAN RESOURCE MANAGEMENT COURSE REQUIREMENTS

Students in the part-time program typically take 33 credits. Students without significant full-time professional work experience may be required to take 3 additional credits.

The full-time MSHRM program consists of 39 credit hours and will run on trimesters. It is intended to be completed in 15 months, including an internship.

The two additional courses will be:
- HR 699 Internship 3
- WGB 521 Fundamentals of Management 3.00

Required Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 636</td>
<td>Legal Issues in Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>HR 605</td>
<td>Analytics, Metrics, &amp; Problem-Solving for HR Professionals</td>
<td>3</td>
</tr>
<tr>
<td>HR 607</td>
<td>Introduction to Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>HR 610</td>
<td>Performance Management</td>
<td>3</td>
</tr>
<tr>
<td>HR 611</td>
<td>Workforce Management &amp; Talent Development</td>
<td>3</td>
</tr>
<tr>
<td>HR 612</td>
<td>Strategic Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>HR 613</td>
<td>Diversity &amp; Inclusion</td>
<td>3</td>
</tr>
<tr>
<td>HR 615</td>
<td>Finance for HR Managers</td>
<td>3</td>
</tr>
<tr>
<td>HR 689</td>
<td>Capstone &amp; Applied Research Project</td>
<td>3</td>
</tr>
</tbody>
</table>

Students will also take 6 credits of electives.

Part-Time Program Total: 33 credits
Full-Time Program Total: 39 credits

Graduate Professional Certificates

Students who would like to specialize in one of the areas below without pursuing a full graduate degree or those who already have a master’s degree and would like to upgrade their skills may want to consider a graduate professional certificate.

Students who have successfully completed a graduate certificate may apply to the master’s program and, upon acceptance, may be able to use credits earned in the certificate program toward the master’s degree. Students currently matriculated in the master’s program are not eligible for a graduate certificate. Also, an individual course may not be used for multiple certificates. Admission procedures and requirements may vary by graduate certificate program.

Contact the MBA office or Graduate Admissions for further information on the graduate business certificates offered in Accounting, Core Business Skills, Corporate Finance, Digital

Career Development Office

The Career Development Office offers graduate business students guidance on how to conduct a successful job search. They also arrange for interviews with companies visiting the campus to recruit students. Employment opportunities and internships are publicized through the Career Development Office.

Accounting Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Prerequisite (3 credits)
WGB WGB 602 Corporate Financial & Management Accounting

Required Course (3 credits)
AC 615 Managerial Controls & Budgeting

Elective Courses (9 credits)
Choose three:
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 629 Contemporary Issues in Auditing
AC 699 Special Topics - Accounting

Core Business Skills (12 credits)
WGB WGB 520 Introduction to Economics and Statistics
WGB WGB 602 Corporate Financial & Management Accounting
WGB 603 Financial Management
WGB 612 Leading & Influencing with Integrity

Business Analytics Certificate

12 CREDITS (PLUS PREREQUISITE, IF REQUIRED)

Prerequisite Course (3 credits)
WGB 518 Introduction to Business Statistics

Required Courses (6 credits)
BU 654 Introduction to Business Analytics
BU 655 Introduction to Database Management

Elective Courses (6 credits) Choose Two
HINF 501 Foundations in Healthcare Informatics
HINF 504 Business of Healthcare Information Technology
HINF 602 Clinical & Business Intelligence
HR 605 Analytics, Metrics, & Problem-Solving for HR Professionals

Global Investments Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Prerequisite (3 credits)
WGB WGB 518 Statistics

Required Courses (6 credits)
MK 661 Marketing Management
MK 670 Intro to Digital Marketing
MK 671 Marketing Analytics
MK 680 Applied Topics in Digital Marketing
MK 661: For students with substantial work experience in marketing, an additional MK 680 course may be substituted for MK 661 with the consent of the program director.

Digital Marketing Certificate

(12 CREDITS)

Required Courses
MK 661 Marketing Management
MK 670 Intro to Digital Marketing
MK 671 Marketing Analytics
MK 680 Applied Topics in Digital Marketing

Corporate Finance Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Prerequisite (3 credits)
WGB WGB 602 Corporate Financial & Management Accounting

Required Courses (6 credits)
FN 662 Corporate Finance
WGB 603 Financial Management
If WGB 603 is waived, the student will select a third elective course.

Elective Courses (6 credits) Choose Two
AC 617 Financial Statement Analysis
FN 661 Global Financial Markets & Institutions
FN 663 Global Investments
FN 665 International Financial Management
FN 669 Alternative Investments
FN 670 Mergers, Acquisitions, & Joint Ventures
FN 672 Derivatives & Risk Management
FN 675 Financial Regulatory Compliance
FN 686 Portfolio Management
FN 674 Advanced Risk Management
FN 699 Financial Crisis & Risk Management

Human Resource Management Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 615 Managerial Controls & Budgeting
AC 629 Contemporary Issues in Auditing
AC 699 Special Topics - Accounting

International Business Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Leadership Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Marketing Analytics Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Quantitative Finance Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Special Topics Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Special Topics in Finance & Investment Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Solving for HR Professionals Certificate

(12 CREDITS)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Business Analytics Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Global Investments Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Leadership Certificate

(12 CREDITS)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Marketing Analytics Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Quantitative Finance Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Special Topics Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Special Topics in Finance & Investment Certificate

(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting

Taylor Solving for HR Professionals Certificate

(12 CREDITS)

Elective Courses (6 credits) Choose Two
AC 610 Accounting for Decision-Making & Control
AC 617 Financial Statement Analysis
AC 699 Special Topics - Accounting
Prerequisite (3 credits)
WGB 603  Financial Management  3
If WGB 603 is waived, the student will select a third elective course.

Required Course
FN 663  Global Investments  3

Elective Courses (9 credits)
Choose three:
FN 661  Global Financial Markets & Institutions  3
FN 666  Portfolio Management  3
FN 669  Alternative Investments  3
FN 670  Mergers, Acquisitions, & Joint Ventures  3
FN 672  Derivatives & Risk Management  3
FN 675  Financial Regulatory Compliance Management  3
FN 699  Financial Crisis & Risk Management  3

Marketing Certificate
(12 CREDITS)

Required Course (3 credits)
MK 661  Marketing Management  3

Elective Courses (9 credits)
Choose three:
BU 610  Entrepreneurship  3
MK 651  Marketing Research  3
MK 656  Advertising Management  3
MK 658  Consumer Marketing & Behavior  3
MK 669  Contemporary Issues in Marketing  3

Human Resource Management Certificate
(12 CREDITS)

Required Courses (12 credits)
BU 636  Legal Issues in Human Resources  3
HR 610  Performance Management  3
HR 611  Workforce Management & Talent Development  3
HR 615  Finance for HR Managers  3

Alternative
A customized course of study developed for the individual student's unique needs and interests can be created in collaboration with the faculty director.

Leadership Certificate
(12 CREDITS, PLUS PREREQUISITE IF REQUIRED)

Prerequisite (3 credits)
WGB 521  Fundamentals of Management  3.00 Credit(s)

Required Courses (3 credits)
WGB 612  Leading & Influencing with Integrity  3

One course from Group 1 (3 credits)
BU 632  Managing Change  3
or
BU 665  International Business  3

Two courses from Group 2 (6 credits)
BU 610  Entrepreneurship  3
BU 635  Human Resources & Career Development  3
Isabelle Farrington College of Education

Michael Alfano, PhD
Dean
Phone: 203-365-7621
Fax: 203-365-7513
E-mail: alfanom3@sacredheart.edu

Mel Horton, EdD
Associate Dean

Mission

The Isabelle Farrington College of Education prepares and promotes a diverse community of educators, whose work is grounded in professional knowledge, skills, and dispositions in service to their students. Guided by fundamental principles of social justice, human dignity and equity, we prepare our candidates to help their students navigate a global community that is undergoing profound cultural and technological change. We use evidence of candidate performance to continuously improve practice and policy.

To accomplish this mission, the College assures that upon completion of the program of study, its graduates and program completers are highly qualified professionals in their respective areas of expertise, are deeply committed to all youngsters' growth and development, and have a sensitivity to the importance of social and emotional growth as an aspect of students' education. The College adheres to and assures that its candidates address the national and state standards of professional preparation of each of its programs.

Graduate Education Certificate Programs

- Initial Teacher Preparation: Elementary (305) Certification
- Initial Teacher Preparation: Secondary English (015) Certification
- Initial Teacher Preparation: Secondary Math (029) Certification
- Initial Teacher Preparation: Secondary General Science (034) Certification
- Initial Teacher Preparation: Secondary Biology (030) Certification
- Initial Teacher Preparation: Secondary Chemistry (031) Certification
- Initial Teacher Preparation: Secondary Social Studies (026) Certification
- Initial Teacher Preparation: Secondary Spanish (023) Certification
- Intermediate Administrator (092) Certification
- Reading and Language Arts Consultant (097) Certification
- Remedial Reading and Remedial Language Arts (102) Certification
- Speech-Language Pathologist (061) Certification
- Superintendent of Schools (093) Certification

Graduate Education Degree Programs

- Master of Arts in Teaching (MAT)
- Master of Education (M.Ed)
- Certificate of Advanced Studies (CAS): Literacy Specialist (Sixth-Year Degree)
- Certificate of Advanced Studies (CAS): Administration (Sixth-Year Degree)
- Certificate of Advanced Studies (CAS): Superintendent of Schools (Sixth-Year Degree)

Application Requirements

Initial Certification Programs

- Candidates must meet the following entrance requirements:
  - Complete the online graduate application
  - Non-refundable application fee
  - Official transcript(s) from all colleges and universities previously attended. Sacred Heart University students and alumni of SHU may authorize the Office of Graduate Admissions to obtain their official SHU transcripts on their behalf. A minimum cumulative undergraduate grade point average (GPA) of 2.67 is strongly recommended. Applicants whose cumulative GPA is below 2.67 will be considered provisionally, which may result in either additional requirements to be completed prior to admission or denial of the request.
  - Essay: In an essay of 1-2 pages, discuss a recent experience interacting with children and/or youth and how this experience relates to your expectations for a teaching career. Faculty members in teacher education will evaluate your essay based on grammar, style, and organization; your experience working with young people from diverse populations; and your expectations for a teaching career. We anticipate admitting students who demonstrate excellent qualities in these areas.
  - A Praxis Core Academic Skills score report - Effective July 1, 2016 a satisfactory score on the Praxis Core Academic Skills exam is no longer required for admission to teacher education programs. However, the exam or equivalent is still required. Each person's results shall be used as a diagnostic tool for the purposes of providing any necessary remedial instruction to such person while enrolled in a teacher education program. Qualifying results from SAT or ACT can be submitted in lieu of the Praxis Core score report.
  - Plan of Study Interview: Once you have submitted official transcripts and the essay you may complete the plan of study requirement. You will meet with a faculty advisor to complete a transcript review, plan of study, and self assessment of dispositions. Please contact the College of Education, FCE Department Chair, to schedule your meeting with a faculty advisor.
  - Elementary candidates must achieve an acceptable academic subject-area major as recommended in the Farrington
College of Education transcript review. Secondary candidates must achieve a major in their endorsement area (or present the equivalent coursework, as defined by state statutes and the College of Education transcript review).

- All candidates must achieve 39 credits of general education courses including English, math, social studies, science, fine arts, and/or world language. All candidates must present a 3-credit course in American history. Elementary candidates must achieve 6 credits of human growth and development coursework (3 credits are satisfied by ED 553 Education Psychology; the remaining 3 credits must include adolescent development). In the Elementary and Secondary Teacher Certification programs, completion of the master's degree is not required for teacher certification. Candidates who have completed equivalent coursework meeting certification requirements through previous studies should not repeat the same coursework at the graduate level. The candidate's program is completed with course selections with an advisor's approval.

- Documentation of 100 child-related service hours: We seek candidates who demonstrate an affinity for teaching young people. To that end, we require applicants to document 100 hours of child-related services as part of the admission process.

- Signed Applicant Statement of Understanding

Graduate Degree Programs and Advanced Certificate Programs

Applicants to all graduate programs in Education must meet the same admissions standards as certification candidates, with respective exceptions and additions noted.

Master of Arts in Teaching (MAT)

Admission requirements for the MAT are the same as admission requirements to the initial teacher certification programs.

Master of Education (MEd)

Admission requirements for the MEd are the same as admission requirements to the initial teacher certification programs, with the following exception. Since all MEd candidates already hold teaching certification, upon presentation of the certificate, requirements for the Core Academic Skills for Educators Exam are waived.

Intermediate Administrator (092) Certification

To be eligible for admission, the candidate must meet these requirements:

- Hold a master's degree from a regionally accredited institution with a minimum GPA of 3.0
- Hold or be eligible for a Connecticut teaching certificate
- Have completed 30 months of teaching experience before applying for certification
- Have completed a course in special education before applying for certification
- Provide a résumé
- Complete an Applicant Statement of Understanding
- Complete a case study essay
- Meet with faculty to complete a preliminary plan of study

Certificate of Advanced Studies (CAS): Administration (Sixth-Year Degree)

To be eligible for admission, the candidate must meet these requirements:

- All admission requirements for the Intermediate Administrator (092) Certification
- All coursework of the Intermediate Administrator (092) Certification program

Remedial Reading and Remedial Language Arts (102) Certification, Reading and Language Arts Consultant (097) Certification, and CAS: Literacy

To be eligible for admission, the candidate must meet these requirements:

- Hold a master's degree from a regionally accredited institution with a minimum GPA of 3.0
- Hold or be eligible for a Connecticut teaching certificate
- Have completed 30 months of teaching experience before applying for certification
- Have completed a course in special education (at least 36 hours) before applying for certification.
- All candidates for reading certification must earn a minimum of 12 credits from Sacred Heart University to be eligible for certification recommendation
- Provide evidence of having submitted a current state and national criminal history background check
- Provide a résumé
- Complete an Applicant Statement of Understanding
- Meet with faculty to complete a preliminary plan of study

Certificate of Advanced Studies (CAS): Teaching (Sixth-Year Degree)

This certificate focuses on special education. To be eligible for admission, the candidate must meet these requirements:

- Hold a master's degree from a regionally accredited institution with a minimum GPA of 3.0
- Hold or be eligible for a Connecticut teaching certificate
- Have completed 30 months of teaching experience before applying for certification
- Provide evidence of having submitted a current state and national criminal history background check
Superintendent of Schools (093) Certification, and CAS: School District Administration

To be eligible for admission, the candidate must meet these requirements:

- Have completed at least three years of experience working under their 092 certification
- Endorsement from current superintendent of schools, attesting to candidate's fitness for the program and superintendent's willingness to allow candidate to do internship work in another school system as well as their current system

Registration Limits

The graduate Education program offers courses during the following terms: Fall and Spring semesters, Summers I and II, and intensive sessions (late spring and winter). To ensure appropriate academic standards, permit field experience, and facilitate reflective engagement in the education process—and recognizing that most of our graduate candidates are fully engaged in internship or other work responsibilities—the Farrington College of Education has established parameters for appropriate course loads during these terms. A graduate candidate is permitted to take three 3-credit courses in each 15-week term, two 3-credit courses in each 6-week term, and one 3-credit course in each intensive session. Permission to take more than these limits may be given by Dean of the College of Education after receipt of written

Transfer Guidelines

A candidate may request to transfer up to 6 graduate credits of coursework completed at another regionally accredited university. Only graduate-level courses in which a candidate has received a grade of B or better and that were earned within six years prior to the request and are not part of a previously earned degree will be considered. Transfer of credits to apply to a planned program of study leading to recommendation for certification may occur if an institution whose planned program is similarly approved or which otherwise meets the particular learning objectives and assessments required by the Sacred Heart University planned program. Requests for transfer of credit should be made to the Dean of the College of Education in writing and should be accompanied by official transcripts and supporting documentation (e.g., catalog descriptions or syllabi).

Application for Degree Completion

All candidates for graduate degrees are required to complete an online application for graduation via WebAdvisor.

Horizons

Horizons at Sacred Heart University is an affiliate of Horizons National, an organization that provides academic and cultural support to underserved children in urban areas. Horizons at SHU serves children and youth from the City of Bridgeport with the purpose of narrowing the academic achievement and opportunity gap between city and suburban students. The program's mission is to create a dynamic learning environment during the summer and on Saturdays during the school year. The children spend their time honing their literacy and math skills as well as enjoying cultural enrichment activities such as swimming, music, dance and gymnastics, gardening, science experimentation, martial arts and more.

Graduate Teacher Certification Programs

Professor Michael Giarratano
Chair, FCE
Office Phone: (203) 365-4707
E-mail: giarratonom234@sacredheart.edu

The Graduate Teacher Certification programs enable candidates to meet requirements (36 credits) to become certified as public school teachers while applying some of the earned credits toward an advanced degree. Candidates who have completed bachelors' degrees in fields other than teacher education may enter the graduate program to obtain a teaching certificate. The Graduate Education program offers approved programs for the preparation of teachers for the elementary grades (1–6) and for the secondary grades (7–12) in the academic areas of English, History and Social Studies, Mathematics, General Science, Biology, Chemistry, and Spanish. Course offerings in the Farrington College of Education may also provide certified teachers with the opportunity to obtain additional teaching endorsements.

Required Courses

The graduate program for Teacher Certification requires the completion of 36 credits in professional studies, including student teaching. In a typical planned program of study, 21 credits of professional studies may be applied toward fulfillment of the master's degree requirements.

Initial Certification

Candidates admitted to the elementary or secondary-school certification program must complete the courses listed below. It is recommended that candidates progress sequentially through the program, completing the courses and field experiences. Candidates must complete all 10 prerequisite courses before entering student teaching. Candidates must complete the courses in their program with an average grade of B or better. Candidates for initial certification may need to fulfill additional course requirements in the appropriate academic content area.

Elementary Teacher Certification

COURSE REQUIREMENTS

Courses Prior to Student Teaching

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 552</td>
<td>Education in the U.S.</td>
<td>3.00</td>
</tr>
<tr>
<td>ED 553</td>
<td>Educational Psychology</td>
<td>3.00</td>
</tr>
<tr>
<td>ED 578</td>
<td>Education Technology</td>
<td>3.00</td>
</tr>
<tr>
<td>ED 523</td>
<td>Multicultural Education</td>
<td>3.00</td>
</tr>
</tbody>
</table>
ED 565 Classroom Management: 3.00
ED 569 Introduction to Exceptionalities 3.00
ED 555 Elementary Curriculum & Methods: Social Studies, Health & Physical Education 3.00
ED 554 Elementary Curriculum & Methods: Reading, Writing & Language Arts 3.00
ED 556 Elementary Curriculum & Methods: Mathematics & Science 3.00
EDR 560 Children's Literature 3.00

Student Teaching
ED 589 Student Teaching Seminar: Elementary 6.00

ED 589: Credits are not applicable to the MAT degree

General and course requirements and Farrington College of Education policies and interpretations of state certification regulations are subject to change.

Secondary Teacher Certification

COURSE REQUIREMENTS

Courses Prior to Student Teaching
ED 552 Education in the U.S. 3.00
ED 553 Educational Psychology 3.00
ED 578 Education Technology 3.00
ED 523 Multicultural Education 3.00
ED 566 Classroom Management: Secondary 3.00
ED 569 Introduction to Exceptionalities 3.00
ED 627 Societal Issues in Adolescence 3.00
EDR 510 Content Area Reading Instruction (Grades 7-12) 3.00

One of the following
ED 531 Secondary Methods: Biology 3.00
ED 532 Secondary Methods: Chemistry 3.00
ED 533 Secondary Methods: English 3.00
ED 534 Secondary Methods: General Science 3.00
ED 535 Secondary Methods: Mathematics 3.00
ED 536 Secondary Methods: Social Studies 3.00
ED 537 Secondary Methods: Spanish 3.00

ED 581-587: Credits are not applicable to the MAT degree

Secondary Certification

COURSE REQUIREMENTS

Block II (12 Credits)
ED 523 Multicultural Education 3.00
ED 566 Classroom Management: Secondary 3.00
ED 569 Introduction to Exceptionalities 3.00
ED 627 Societal Issues in Adolescence 3.00

General and Course Requirements and Farrington College of Education policies and interpretations of certification regulations are subject to change.

Academic Major for Initial Certification
Elementary candidates must have achieved an acceptable academic subject-area major as recommended in the Farrington College of Education transcript review. Secondary candidates must have achieved a major in their endorsement area (or present the equivalent coursework, as defined by state statutes and the College of Education transcript review).

General Education Requirements for Initial Certification

All candidates must achieve 39 credits of general education courses including English, math, social studies, science, fine arts, and/or world language. All candidates must present a 3-credit course in American history. Elementary candidates must achieve 6 credits of human growth and development coursework (3 credits are satisfied by ED 553 Education Psychology; the remaining 3 credits must include adolescent development). In the Elementary and Secondary Teacher Certification programs, completion of the master's degree is not required for teacher certification. Candidates who have completed equivalent coursework meeting certification requirements through previous studies should not repeat the same coursework at the graduate level. The candidate's program is completed with course selections with an advisor's approval.

Internship/Work Experience Program for Initial Certification

The Teacher Internship/Work Experience affords candidates the opportunity to complete teacher certification and master's degree program requirements (total of 48 graduate credits) in a supervised internship/work experience setting in a public school. Tuition costs for 30 credits of this program are supported by the public school system under a contract arrangement with the University and the candidate. Potential candidates who desire certification in the program typically initiate coursework in the semester/summer prior to placement. Candidates need to meet with an advisor to develop their plans of study and schedule of coursework.

Durational Shortage Area Permit (DSAP)

Sacred Heart supports the DSAP process for candidates already engaged in the University's planned programs of study. The offer of a DSAP position from a school district cannot be the basis for admission to Sacred Heart's certification programs. Contact the Certification Officer in the College of Education for information and authorization. For DSAP associated with initial certification, the candidate must have completed 12 credits of Sacred Heart's planned program and be admitted to ED 496 and 497. Through these courses, the University provides on-site supervision to individuals who are working as school professionals under a DSAP issued through the Connecticut State Department of Education.

MAT & MEd

Michael Giarratano, ABD
Chair, FCE
Office Phone: (203) 365-4707
E-mail: giarratanom234@sacredheart.edu

Master of Arts in Teaching

The Master of Arts in Teaching (MAT) program is intended to accommodate the educational goals for two sets of educators: for those holding a bachelor's degree who are also pursuing initial certification, and Sacred Heart candidates who participate in the bachelor's-to-master's Five+ program. The MAT program has the following four components that are designed to build on the applicant's prior academic and school experience. The MAT program consists of 33 credits.

Foundations of Education (12 credits)
Curriculum and Instruction (15 credits)
Elective (3 credits)
Culminating Experience (3 credits)

Master of Education

The Master of Education (M.Ed) program is intended to accommodate the educational goals for two sets of certified educators: practicing educators and those who have not yet taught. The M.Ed program has the following three components that are designed to build on the applicant's prior academic and school experience. The MEd program consists of 33 credits.

Curriculum and Instruction (18 credits)
Electives (9 credits)
Culminating Experience (6 credits)

Connecticut Literacy Specialist Program

Karen Waters, EdD
Program Director of Graduate Literacy Programs

Office Phone: 203 365-4811
E-mail: watersk@sacredheart.edu

102 and 097 Certification and Certificate of Advanced Studies (CAS) in Literacy

Program Overview:
The goal of the Certificate of Advanced Study (CAS) in literacy in the Connecticut Literacy Specialist Program (CLSP), is to prepare prospective literacy professionals with strong teaching and leadership skills to address the diverse needs of a rapidly changing population. The 102 certificate for Remedial Reading/Remedial Language Arts and/or the 097 for Reading Consultant qualify the holder to obtain a position as an interventionist, literacy coach, reading specialist, staff and curriculum developer or teacher leader. Although specific requirements for specific literacy positions vary from district to district, the State of Connecticut recognizes the distinction between the two levels of certification as an upper (097) and a lower tier (102) certification, with the 102 as a prerequisite for the 097.

The CAS in literacy is a 36-credit program yielding two levels of state literacy certification in reading and language arts. Candidates have opportunities to integrate research-based theory with practical application focusing on student achievement. The first 21 credits yield the 102 certificate for Remedial Reading/Remedial Language Arts, with the next 12 credits leading to the 097 Reading Consultant Certificate. The candidate has the option to proceed from one program to another in seamless transition or stagger the schedule to accommodate his or her needs. The candidates are required to complete the CAS with the addition of one elective for a total of 36 credits in all.

Full-time certified teachers with a master's degree who have accrued 30 months of class teaching experience are eligible to pursue both the 102 certificate concurrent with our M.Ed. program.

**Tier I: Remedial Reading and Remedial Language Arts (102) Certification**

The Remedial Reading and Remedial Language Arts (102) Certification requires 21 credits of study. Candidates may complete these credits as part of a post-baccalaureate degree (MAT or CAS). To be recommended for certification, candidates must provide evidence of meeting 30 months of classroom teaching experience as a teacher.

**Tier II: Reading and Language Arts Consultant (097) Certification**

The prerequisite for admittance into the 097 program is the 102 certificate for Remedial Reading/Remedial Language Arts. Therefore, candidates applying for admittance into the program must have a valid teaching certificate, and at least 1.5 years of successful classroom teaching experience. Candidates will need to have completed 30 months of successful classroom teaching experience under a valid certificate to be eligible for 102 certification.

**CAS in Literacy**

Candidates may complete their CAS (sixth-year degree) in the Connecticut Literacy Specialist Program with the addition of one additional course (3 credits) beyond the 33 credits of requirements listed above.

**PROGRAM REQUIREMENTS**

Sequences I and II are program requirements for Remedial Reading and Remedial Language Arts (102) Certification.

**Sequence I—Classroom Instruction (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDR 505</td>
<td>Early Reading &amp; Language Arts Success(PK-3)</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 507</td>
<td>Developmental Reading &amp; Language Arts (4-6)</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 510</td>
<td>Content Area Reading Instruction (Grades 7-12)</td>
<td>3.00</td>
</tr>
</tbody>
</table>

EDR 505, EDR 507, EDR 510: Course required for (102) certification.

Upon successful completion of the first seven courses, candidates apply for Remedial Reading and Remedial Language Arts (102) Certification.

**Sequence II (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDR 540</td>
<td>Advanced Diagnosis &amp; Remediation I</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 545</td>
<td>Assessment &amp; Evaluation CT Model Building</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 550</td>
<td>Clinical Experience I</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 555</td>
<td>Clinical Experience II</td>
<td>3.00</td>
</tr>
</tbody>
</table>

EDR 540, EDR 545, EDR 550, EDR 555: Course required for (102) certification.

Sequence III includes program requirements for Reading and Language Arts Consultant (097) Certification. Prerequisite: Remedial Reading and Remedial Language Arts (102) Certificate.

**Sequence III (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDR 527</td>
<td>Organization, Administration and Supervision : Reading &amp; Language Arts</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 541</td>
<td>Advanced Diagnosis &amp; Remediation II</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 691</td>
<td>Practicum In Consulting</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 692</td>
<td>Applied Reading &amp; Language Arts Research</td>
<td>3.00</td>
</tr>
</tbody>
</table>

EDR 527, EDR 541, EDR 691, EDR 692: Indicates course required for 097 certificate and is available to candidates who have earned 102 certification for Remedial Reading/Remedial Language Arts. Candidate has the option of completing the CAS with the addition of one elective for a total of 36 credits in all.

**Sequence IV (3 credits)**

Choose one:
Intermediate Administrator (092) Certification

Randall Glading, PhD
Program Director of the 092 Intermediate Administrator Program

Office phone: 203 396-8312
E-mail: gladingr@sacredheart.edu

Program Goal and Opportunities
The goal of the program is to prepare candidates to succeed as intermediate school supervisors. The 092 certificate qualifies holders for school and district administrative positions with the exception of the Superintendent of Schools. Course offerings engage the candidate in an extensive investigation into leadership theory and practices, combined with clinical experiences that will provide a foundation for success as a school administrator.

Required Curriculum—State of Connecticut
A master's degree is required for admission. Applicants for the Intermediate Administrator Certificate (092) must complete a minimum of 18 semester hours of graduate credit beyond the master's degree. Fifteen (15) credit hours must be taken at the institution providing the recommendation for certification. State of Connecticut regulations [Sec. 10-145d-242 (g)] mandate that the categories of study for the Intermediate Administrator Certificate listed below be completed during this program.

Courses taken for the certificate may be applied toward completion of the Certificate of Advanced Studies in Administration (Sixth-Year Degree) program.

To obtain the Professional Educator Certificate, the candidate must complete no less than 30 semester hours of graduate credit at a regionally accredited institution or institutions in addition to the master's degree.

All applicants for the Intermediate Administrative Certification must pass the ETS Praxis - Educational Leadership: Administration and Supervision (5412).

Two Models for Delivering the Administrative Programs
Two different models are available for completion of both the Intermediate Administrator (092) Certification and the Certificate of Advanced Study in Administration (Sixth-Year Degree).

The “accelerated weekend cohort” model is delivered to a cohort of students with each course meeting four alternate Saturdays during the year from September to June. An additional 4 hours will be assigned by the professor utilizing online activities.

The “traditional” model is delivered according to each candidate’s pace. Most courses meet weekday evenings and some courses are also offered on Saturdays. Candidates in the “traditional” model may register for one or two courses per semester, working through the program at their own pace. The “traditional” model for delivering these programs is available at the Trumbull and Griswold locations.

If a candidate successfully passes the ETS Praxis - Educational Leadership: Administration and Supervision (5412) and all courses in the 092 program, the candidate can apply for the Intermediate Administrator (092) Certification.

For those choosing to continue on for the CAS in Administration (Six-Year degree), the program director will be available for advisement if needed. There are several options regarding an individual plan of study for the six-year degree.

Twelve additional credits beyond the 092 certification are required by the State of Connecticut for professional certification. Most 092 candidates meet this requirement by completing the 15 credit Certificate of Advanced Study in Administration (six-year degree).

Applications are reviewed continuously.

REQUIRED COURSES (18 CREDITS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDL 605</td>
<td>Advanced Curriculum</td>
<td>3.00</td>
</tr>
<tr>
<td>EDL 626</td>
<td>Assessment and Evaluation</td>
<td>3.00</td>
</tr>
<tr>
<td>EDL 635</td>
<td>Teacher Supervision/Evaluation/Staff</td>
<td>3.00</td>
</tr>
<tr>
<td>EDL 660</td>
<td>School Administration</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Choose one:
EDL 650 Educational Law & Finance 3.00 Credit(s)

Contemporary Education Problems (3 Credits)
EDL 654 Leadership: Contemporary Education Problems 3.00 Credit(s)
or
EDL 655 Distinguished Lecture Series 3.00 Credit(s)

Administrative Internship (3 credits)
EDL 696 Administrative Internship I 3.00 Credit(s)

EDL 696: Prerequisite: Two EDL courses

EDL 691 Thesis Seminar 3.00 Credit(s)

Superintendent (093) Certification Program

David Title, EdD
Program Director of the 093 Superintendent Preparation Program
Office phone: 203 365-4810
E-mail: titled@sacredheart.edu

The goal of the Superintendent (093) Certification Program is to ensure that every candidate acquires the skills and knowledge necessary to become a highly successful superintendent of schools.

While the content of each course will vary, the following themes will run throughout the program:
- Legal and Policy considerations
- Effective internal and external communication
- Equity, Diversity, Social Justice
- Political and symbolic frames of reference
- Moral and Ethical Issues

All courses in the program utilize, in part, a case study approach to learning. Case studies allow candidates to put themselves into the role, at a safe distance, of a superintendent of schools, and to apply the principles of leadership to practical situations. Cases are used to illustrate key concepts in the course but do not always reflect effective leadership practices.

REQUIRED COURSES

EDL 930 Leading School Systems for Improved Student Learning
EDL 931 Effective Utilization of the Human and Financial Resources
EDL 932 Leading Core Operations of a School System
EDL 933 Effective Policy Governance and Community Involvement
EDL 934 Internship

The Certificate of Advanced Studies (CAS): Administration (Sixth-Year Degree)

Mary Yakimowski, PhD
Program Director of the Sixth Year Professional Certificate Program
Office phone: 203 365-7653
E-mail: yakimowskim@sacredheart.edu

The goal of the Certificate of Advanced Study (CAS) program in Educational Leadership is to provide candidates with the required credits beyond the Master’s degree to advance the 092 endorsement from provisional to professional.

The CAS in Educational Leadership consists of an additional 15 credits beyond the Intermediate Administrator (092) Certificate program. The program provides candidates with a leadership internship focusing on school district matters, study in the pedagogical and administrative uses of technology, and an in-depth experience of research on a challenge in the candidate’s professional setting.

DEGREE REQUIREMENTS

Required Courses (15 credits)
EDL 695 Technology & Information Management 3.00 Credit(s)
EDL 697 Administrative Internship II 3.00 Credit(s)

Research Course Sequence (9 credits)
Courses in the culminating series must be taken in numerical order.
EDL 689 Education Leadership Literature Review 3.00 Credit(s)
EDL 690 Education Research Seminar 3.00 Credit(s)
College of Health Professions

PATRICIA W. WALKER, EdD
Dean
Phone: 203-396-8024
Fax: 203-396-8075
E-mail: walkerp@sacredheart.edu

JODY BORTONE, EdD
Associate Dean and Director, Clinical Associate Professor of Occupational Therapy

GAIL SAMDPERIL, EdD
Associate Dean and Clinical Associate Professor of Human Movement Science

The College of Health Professions seeks to foster the development of women and men who demonstrate intellectual and professional integrity, who value compassionate service to others, and who take leading roles in communities governed by spiritual and moral values.

As a professional college within a Catholic university rooted in the liberal arts tradition, the College of Health Professions is committed to providing an education built upon deep respect for the dignity of the human person and a recognition of the responsibility of each individual to contribute to the building of a more just society. All professional programs in the college are accredited and approved by the appropriate professional and government agencies.

Specifically, the college strives to teach the skills necessary for developing ethical responses to new and ever-changing circumstances of a future filled with discoveries, technological advancements, and social change.

The college provides opportunities for students to gain knowledge, experience, skills, and values necessary to begin a first career, to advance in an existing career, and to prepare for new career challenges in response to the changing needs of society.

The college's cooperation with professional partners in the community ensures that students benefit from an integration of academic, internship, and clinical experiences. This collaboration also enriches the education and healthcare endeavors of the community and installs an ethic of community service among students. The college is committed to professional and academic excellence and measures this by the quality of its faculty, programs, resources, and student achievements.

Athletic Training

Gail Samdperil, EdD, ATC
Interim Program Director
Phone: (203) 396-8033
Email: samdperilg@sacredheart.edu

MASTERS IN ATHLETIC TRAINING

Program Description

The Athletic Training (AT) program is based on a solid liberal arts and science foundation designed to foster the development of human values, effective interpersonal skills and a scientific foundation for the major area of study. Consistent with the goals and objectives of liberal arts and science tradition, the program functions both didactically and clinically.

The goal of the didactic and clinical components is to provide students with a well-rounded base of knowledge relative to the profession of athletic training. Concurrently, the program fosters the student's ability to critically think, analyze information, and communicate both verbally and in written format in an intelligent and effective manner. The program's clinical experience also enables students to develop interpersonal skills, and provides opportunities to shape and develop associated moral and ethical behaviors. Additionally, the Athletic Training program seeks to develop knowledge and clinical skills needed to prepare for professional and personal development.

Program Goals & Objectives

The MS in Athletic Training program will prepare graduates to:

- Demonstrate an understanding of the interrelationships of the various components of athletic training as they relate to a comprehensive wellness team
- Exhibit appropriate proficiency in oral and written communication
- Demonstrate an ability to critically analyze published research
- Design, conduct, and report scholarly activity
- Demonstrate critical thinking skills and formulate appropriate clinical decisions
- Demonstrate mastery of the educational competencies
- Effectively and respectfully provide patient care for people of diverse cultural backgrounds
- Demonstrate safe and effective clinical decision-making in athletic training practice in a manner that integrates quality improvement, evidence-based practice, and patient-oriented outcomes.
- Contribute to the profession through the development and participation in new ideas and insights.

Accreditation

The MSAT is accredited by the Commission for Accreditation of Athletic Training Education. In 2017, the program earned 10 years of re-accreditation status. Current Board of Certification exam pass rates for SHU AT graduates can be found on the SHU MSAT website.

Admission Requirements for SHU Undergraduates

Submit your online application

Official transcripts from all institutions attended: Official transcripts from any previous institutions attended must be sent to the Office of Graduate Admissions (even if they have already been submitted to the University Registrar for transfer credit). Sacred Heart University students may authorize the Office of Graduate Admissions to obtain their official SHU transcripts on their behalf.
Documentation of a minimum of 10-15 hours of observation under direct supervision of a Certified Athletic Trainer.

Athletic Training students are required to meet SHU’s physical and technical standards, as outlined in the technical standards document to successfully complete all program requirements. Review the technical standards document and sign and return it to the Office of Graduate Admissions. This acknowledges that you have reviewed and understand the technical standards of the athletic training profession.

A 1-2 page essay stating your interest in the field of athletic training as demonstrated by your motivation for becoming a certified athletic trainer and your professional goals upon completion of the program.

Admission Requirements for External Applicants

Submit your online application via ATCAS portal

Official transcripts from all institutions attended

Documentation of a minimum of 10-15 hours of observation under direct supervision of a Certified Athletic Trainer.

Athletic Training students are required to successfully complete all program requirements. Review the University's technical standards document and sign and submit it via ATCAS. This acknowledges that you have reviewed and understand the technical standards of the athletic training profession.

A 1-2 page essay stating your interest in the field of athletic training as demonstrated by your motivation for becoming a certified athletic trainer and your professional goals upon completion of the program.

Program Prerequisites Admissions requirements for the MSAT program include:

Bachelor's degree

Undergraduate cumulative GPA of 3.0

Complete all pre-requisite courses (39 credits) below with a grade of “C” or better

- A&P I w/lab 4 CR
- A&P II w/lab 4 CR
- Physics w/lab 4 CR
- Anatomical Kinesiology 4 CR
- Exercise Physiology 4 CR
- Nutrition 3 CR
- Statistics 3 CR
- General Psychology 3 CR
- General Biology w/lab 4 CR
- Health Psychology 3 CR
- Chemistry 3 CR

CastleBranch

Upon acceptance to the MSAT, students will need to complete the following through CastleBranch at their own expense:

- Background Check
- Physical: Completed by a MD, DO, APRN, PA in the past 12 months. Our forms must be completed, signed, and uploaded into CastleBranch (forms found on the SHU MSAT website). CPR: Front and back of signed CPR cards/certificates through American Red Cross or American Heart Association. Certification must be: Basic Life Support.
- Vaccines: Vaccine and titer information must be provided via lab reports. It is HIGHLY recommended students have titers drawn during the Spring semester they are applying to the program, because if they are no longer immune a booster shot will be given, and a new titer will be drawn 30-90 days later. Proof of immunization is necessary for:
  - Varicella
  - Measles
  - Mumps
  - Rubella
  - PPD
  - Tetanus
  - Hepatitis B: Students can demonstrate current immunization to Hepatitis B via current titer information. If Hepatitis B does not show immunity then immunization is required. Individuals who do not wish to be immunized must sign a declination form.

- Student will be responsible for all fees associated with:
  - Receiving a physical
  - Receiving immunizations, titers, and boosters
  - Background check
  - CPR/AED certification
  - Registering with CastleBranch

Retaining status within the MSAT Program:

To retain acceptance status in the program, students must meet and maintain the following criteria as they move through the MSAT program:

- Maintain a minimum of 3.0 GPA each semester
- Complete the 52 credits of core AT coursework
- Earn a minimum of a “C” in each AT course
- Students who do not meet a “C” requirement in a course will not be allowed to matriculate.
- Maintain CastleBranch criteria
- CPR/AED certification
- Immunizations
- Clinical Education

During the second fall semester of year 2, students will be responsible for completing an immersive clinical rotation. Students will be assigned to a clinical site where their full-time responsibility...
the status of a treatment. Examples in which these observational and observe output readings to determine a patient's condition and skills are required include: palpation of anatomical structures and lectures and laboratory demonstrations. The student must be able hearing and somatic sensations. A student must be able to attend clinical rotations including physicians' offices and rehabilitation facilities. In addition, the clinical education program requires students to amass a minimum number of clinical hours per semester, as outlined in the syllabi of each practicum course. All students are required to maintain current CPR for Basic Life Support, annual PPD verification, and blood-borne pathogen training (or its equivalent) throughout the clinical experience. Students will not be able to participate in the clinical experience without current certification. Students are responsible for providing transportation to off-campus sites.

Technical Standards

Athletic Training students are required to meet physical and behavioral technical standards to successfully complete all program requirements.

Athletic training is an intellectually, physically, and psychologically demanding profession. In addition to those described below, the abilities that an athletic trainer must have to practice safely are those described in the Commission on Accreditation of Athletic Training Education's educational competencies and in the Board of Certification role delineation study (on file in the Program Director's office). Candidates for the degree must be able to meet these minimum standards for successful completion of degree requirements.

Standards

Observation: Observation requires the functional use of vision, hearing and somatic sensations. A student must be able to attend lectures and laboratory demonstrations. The student must be able to observe a patient accurately to determine variations from normal and observe output readings to determine a patient's condition and the status of a treatment. Examples in which these observational skills are required include: palpation of anatomical structures and visual and tactile assessment for the presence and degree of edema.

Communication: Communication includes speech, language, reading, writing and computer literacy. Students must be able to communicate effectively and sensitively with patients to elicit information regarding mood, activities and health complaints, as well as perceive non-verbal communications. Students must be able to communicate effectively and efficiently with other members of the health care and athletic communities to convey information essential for safe and effective care.

Sensory and Motor Function: Students must have sufficient motor function to elicit information from the patient examination, using palpation, muscle strength assessment, joint range of motion measurement and other evaluative maneuvers. Additionally, the student must have sufficient motor function to be the first responder in a potentially catastrophic injury (e.g., in-line stabilization of cervical spine, rescue breathing, obstructed airway management, and cardiopulmonary resuscitation). Students must also be able to execute movements required to provide therapeutic care, such as performing mobilization and wound care techniques. These skills require coordination of both gross and fine muscular movement, equilibrium, and the integrated use of touch and vision. Specific motor function requirements include safely lifting up to 50 lbs independently, safely lifting up to 200 lbs with assistance, and safely being able to push and pull up to 200 lbs.

Intellectual abilities: To effectively solve problems, students must be able to measure, calculate, reason, analyze, integrate and synthesize information in a timely fashion. For example, the student must be able to synthesize knowledge and integrate the relevant aspects of a patient's history and examination findings to develop an effective treatment program. In addition, students must be able to comprehend three-dimensional relationships and to understand spatial relationships of structures.

Behavioral and Social Attributes: Students must possess the psychological ability required for the full use of their intellectual abilities, for the exercise of good judgment, for the prompt completion of all responsibilities inherent to assessment and care of patients, and for the development of mature, sensitive, and effective relationships with patients. Students must be able to tolerate physically and mentally taxing workloads and function effectively under stress. They must be able to adapt to a changing environment, and function in the face of uncertainties inherent in the clinical problems of patients. Students must demonstrate ethical behavior, both in the classroom and during their clinical experience.

Disabilities and Accommodations

Students who wish to identify themselves as having a disability that requires special accommodations to complete program requirements must notify the Director of the Athletic Training Program. Individuals with disabilities (as defined by Section 504 of the Rehabilitation Act and the Americans with Disabilities Act) may be qualified for Athletic Training studies with the use of reasonable accommodations. A student requesting accommodations will be required to provide documentation in the form of testing and/or medical opinions. If a student feels that he/she requires reasonable accommodation for didactic and/or clinical components of the program, he/she must contact Jandrisevits Learning Center located in the Student Success Center (JLC's Main Office: 203-
Sacred Heart University has implemented a differential tuition for the Athletic Training program. The cost of athletic training education is increased relative to other majors due to intensive clinical laboratory courses and clinical supervision required to maintain the professional standards of athletic training education in addition to the associated expenses of clinical education. This charge will be reflected as a program fee each semester in addition to graduate tuition and fees. The fee will be initiated for Athletic Training students starting their first semester.

Requirements List

Exercise Science and Nutrition

BEAU GREER, PhD, CSCS
Director
Phone: 203-396-8064
Fax: 203-365-4723
E-mail: greeb@sacredheart.edu

Program Rationale

Exercise Science and Nutrition offers graduate-level study in exercise science with consideration of nutritional applications for patients and clients concerned with athletic performance or chronic disease prevention.

The program offers graduate education for students interested in applying the principles of exercise science and nutrition in hospital settings for individuals working in cardiac and pulmonary rehabilitation and long-term rehabilitation of cancer and immune disease patients, as well as in fitness and sports performance settings. Students applying to this program include current University undergraduate students who are seeking graduate education in the area of exercise science and nutrition, and current practitioners who are pursuing graduate education as a matter of professional development and career advancement.

The MS in Exercise Science and Nutrition program is located within the Department of Physical Therapy and Human Movement Science, along with graduate programs in physical therapy and undergraduate programs in exercise science and athletic training.

Masters in Exercise Science and Nutrition

Program Description

There are three major components of the graduate exercise science and nutrition curriculum: (1) core courses, (2) major track (clinical or performance), and (3) a graduate project or thesis requirement. Students will complete the core courses and select one of two available tracks depending upon their interest. The full degree program will be 39 credit hours taken over two academic years (full-time model).
Program Goals

Core Objectives

The MS in Exercise Science and Nutrition program will prepare graduates to:

• Demonstrate advanced knowledge in exercise physiology, human anatomy, performance/health-field specific research methodology, and nutrition as it relates to chronic disease prevention.

• Appropriately prescribe post-orthopedic rehabilitation resistance training protocols.

• Actively engage the professional literature to demonstrate current, best practice in these work settings.

• Contribute to research activities in clinical exercise settings, sport or clinical nutrition, and fitness/sport-related exercise programming.

• Continue their education in the acquisition of a terminal degree (e.g., PhD, EdD).

Track-Specific Objectives

The MS in Exercise Science and Nutrition Performance Track will also prepare graduates to:

• Demonstrate advanced knowledge in strength and conditioning concepts, nutritional influences on training adaptation and performance, coaching methodology/philosophy, and biomechanics.

• Participate in research activities investigating adaptations to training, testing methodologies, sports nutrition, injury reduction strategies, and biomechanics.

The MS in Exercise Science and Nutrition Clinical Track will also prepare graduates to:

• Demonstrate advanced knowledge in clinical exercise testing and prescription for cardiac, pulmonary, cancer, diabetic, and osteoporotic rehabilitation settings nutrition as it relates to weight management and concepts in health behavior change.

• Participate in clinical research activities with opportunities in cardiac and pulmonary rehabilitation, nutrition, and fitness.

Admissions Requirements

Students will apply through the Graduate Admissions Office of the University. In addition to application materials, applicants must demonstrate completion of the program prerequisites including:

• Completion of a bachelor's degree in a related clinical science, such as exercise physiology, exercise science, physical education, athletic training, or nutrition.

• Undergraduate prerequisite coursework in the following courses, or their equivalent:
  • Anatomy and Physiology I and II (with labs) (8 credit)
  • Exercise Physiology (3–4 credits)
  • Nutrition (3 credits)
  • Kinesiology (3–4 credits)

If applying with an unrelated major, students must also take an Exercise Prescription course or enroll in either EX 362 Exercise Testing & Prescription (clinical track students) or EX 363 Developing Strength & Conditioning Programs (performance track students) during their first semester.

PROGRAM OF STUDY (39 CREDITS)

Core Courses (17 Credits):

EX 401 Advanced Applied Physiology 4
EX 403 Research Methods 4
EX 404 Nutrition & Chronic Disease Prevention 3
EX 411 Professional Seminar 2
EX 412 Functional Anatomy 4

Clinical Track Courses (22 Credits):

EX 413 Healthcare in the U.S. 1
EX 416 Applied Pharmacology in Exercise Science 2
EX 521 Advanced Clinical Testing & Prescription I 3
EX 522 Physical Activity & Behavioral Science 3
EX 523 Clinical Nutrition 3
EX 524 Advanced Clinical Testing & Prescription II 4
EX 560 Thesis Preparation 3
  or
EX 562 Clinical Graduate Project I 3
EX 561 Thesis Completion 3
  or
EX 563 Clinical Graduate Project II 3

Performance Track Courses (22 Credits):

EX 414 Exercise Prescription for Endurance Athletes 2
EX 415 Fundamentals of Movement Screening 1
EX 531 Nutrition & Performance 3
EX 532 Coaching Methods 3
EX 533 Advanced Concepts in Strength & Conditioning 4
EX 534 Applied Biomechanics 3
EX 560 Thesis Preparation 3
  or
EX 564 Performance Graduate Project I 3
EX 561 Thesis Completion 3
  or
EX 565 Performance Graduate Project II 3

Healthcare Informatics

STEPHEN C. BURROWS, DPM, MBA, CPHIMS, FHIMSS
Chair, Healthcare Informatics and Administration
Program Director, Healthcare Informatics
Phone: 203-416-3948
Fax: 203-416-3951
Program Rationale and Description

This interdisciplinary master's degree program is designed to prepare individuals for successful careers in the complex and dynamic field of healthcare information technology (HIT). Graduates of this master's program will be well versed in the technical and professional knowledge, concepts, and skills required to excel in today's technologically oriented healthcare world.

This program is designed for healthcare professionals (nurses, physicians, physician assistants, pharmacists, technologists, and others) currently working in an HIT setting and information technology (IT) professionals. Students will gain the knowledge and skills to make an impact through the use of HIT.

Program Objectives

The Healthcare Informatics program will prepare its graduates to:

• Emerge as leaders of healthcare teams by utilizing leadership skills that prioritize, strategize, manage, and advocate for solutions tailored to organizational needs.

• Effectively advocate for the use of technology in all healthcare settings.

• Engineer innovative solutions with positive and lasting effects on the future of healthcare information technology.

• Create a vision for technology's use and lead successful projects using best practice approaches.

• Have a positive impact on the quality and efficiency of healthcare delivery.

• Evaluate healthcare organizations' technology needs and formulate solutions within clinical, operational, and financial constraints.

• Synthesize at leadership and managerial levels the privacy, security, legal, ethical, and social challenges inherent to the HIT industry.

• Act as mediator among clinical, information technology, research, and administrative stakeholders in healthcare settings.

• Acquire practical knowledge and skills.

• Gain an understanding of how information technology, people, health, and the healthcare system interrelate.

• Learn how to use information technology and information management concepts and methods in healthcare delivery.

• Develop the capacity to facilitate communication among healthcare practitioners, administrators, and IT professionals—and recognize the needs and constraints of all sides.

• Collaborate and exchange ideas with other students from a variety of professional backgrounds.

Admissions Requirements

Students will apply through the Graduate Admissions Office of the University and are admitted to the MSHI Program upon review and recommendation of the Admissions Committee based on the academic, course prerequisite, and professional requirements listed below.

Admission criteria include:

• A bachelor's degree or its equivalent from an accredited institution with a minimum GPA of 3.0 and official transcripts from all institutions attended.

• A minimum of two years of experience in the field of either healthcare, healthcare information technology, or information technology. This requirement may be waived by the program director if other relevant professional or academic experience is demonstrated.

• A one-page personal statement describing career goals and reasons for interest in the program, two letters of recommendation, and a current curriculum vitae or résumé highlighting relevant experience.

• Personal interview.

• GRE scores are not required but may be submitted as additional evidence of admissions eligibility.

Masters in Healthcare Informatics

Degree Requirements

A total of 36 credit hours of graduate coursework are necessary for completion of the program. Those who require the prerequisite courses will need up to three additional credit hours of foundational coursework.

Prerequisite and Foundations Waiver Policy

Students will be evaluated as to their knowledge and experience of information systems and the healthcare industry. Review of transcripts from accredited institution(s) and curriculum vitae for relevant experience will determine whether the student can be waived from the program prerequisites.

Course Waiver Policy

Upon application, transcripts will be reviewed for possible course waivers. For students transferring from another accredited graduate program, the program director will review transcripts and make a determination of course equivalency. A maximum of 6 credits, plus the foundation courses, can be transferred.

COURSE REQUIREMENTS

Prerequisites (1-3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 410</td>
<td>Information Technology Overview</td>
<td>3</td>
</tr>
<tr>
<td>HINF 412</td>
<td>Introduction to Healthcare &amp; Information Technology</td>
<td>1-3</td>
</tr>
<tr>
<td>HINF 415</td>
<td>Convergence of Healthcare &amp; Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HINF 420</td>
<td>Introduction to the Language &amp; Culture of Healthcare</td>
<td>3</td>
</tr>
</tbody>
</table>

Core Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 501</td>
<td>Foundations in Healthcare</td>
<td>3</td>
</tr>
</tbody>
</table>
Healthcare Administration Graduate Certificate

The certificate in Healthcare Administration has been developed to provide the knowledge and skills required to manage organizations in the rapidly evolving field of healthcare. It is designed for individuals who seek a career in healthcare administration, who already have a graduate degree but need to develop specific healthcare management skills, or those who want to increase their skill set and position themselves for advancement within management.

Students completing the certificate program coursework will have knowledge and skills in the following areas: healthcare operations, finance and budgeting, effective management of individuals and organizations, and strategies and techniques for successfully introducing and managing change in organizations.

PROGRAM OF STUDY (12 CREDITS)

Required Courses (9 credits):
- HINF 504 Business of Healthcare Information Technology 3
- HINF 505 Healthcare Operations 3
- WGB 612 Leading & Influencing with Integrity 3

Elective Courses (Minimum 3 credits):
Select 1 of the following courses:
- AC 610 Accounting for Decision-Making & Control 3

Upon completion of the certificate program, the student will be better equipped to enter or continue as a professional in healthcare administration.

Healthcare Informatics Graduate Certificate

The certificate in Healthcare Informatics has been developed to provide the knowledge and skills required to use information technology to improve healthcare delivery and outcomes and to advance in this growing field.

Coursework is designed for individuals who seek a career in healthcare informatics, who already have a bachelor's degree but need to develop specific healthcare informatics skills, or those who want to increase their skill set and position themselves for advancement.

Students completing the certificate program will have knowledge and skills in the following areas:
- Configuration, implementation, and support of healthcare software
- Workflow design
- Understanding best practices and their integration into healthcare software
- Capture, manage, and analyze healthcare data

PROGRAM OF STUDY (12 CREDITS)

Required Courses (9 credits):
- HINF 501 Foundations in Healthcare Informatics 3
- HINF 550 Workflow Design & Reengineering 3
- HINF 602 Clinical & Business Intelligence 3

Elective Courses (Minimum 3 credits):
Select one of the following courses:
- HINF 504 Business of Healthcare Information Technology 3
- HINF 552 Evidence-Based Practice & Clinical Decision Support 3
- HINF 610 Electronic Health Records 3
- HINF 611 Project Management 3
- HINF 615 Population Health 3

Upon completion of the certificate program, the student will be better equipped to enter or continue as a professional in the healthcare informatics field.

Occupational Therapy

JODY BORTONE, EdD, OT/L
Chair and Director, Graduate Occupational Therapy Program, Associate Dean, College of Health Professions, and Clinical Associate Professor
Phone: 203-365-4771
Fax: 203-396-8206
E-mail: bortonej@sacredheart.edu

Faculty

JODY BORTONE, EdD, OT/L
Chair and Director of Graduate Occupational Therapy Program, Associate Dean College of Health Professions, and Clinical Associate Professor

LOLA HALPERIN, EdD, OTR/L
Assistant Professor

JAIMEE HEGGE, OTD, OTR/L
Clinical Assistant Professor

MARY-ELLEN JOHNSON, OTD, OTR/L
Clinical Assistant Professor

SHARON M. MCCLOSKEY MBA, OTR/L, DipCOT
Clinical Assistant Professor

HEATHER MILLER-KUHANECK, PhD, FAOTA, OTR/L
Associate Professor

JOAN SAUVIGNE-KIRSCH, EdD, OTR/L
Assistant Fieldwork Education Coordinator and Clinical Assistant Professor

SHEELAGH SCHLEGEL, MPH, OT/L
Academic Fieldwork Education Coordinator and Clinical Assistant Professor

Master of Science in Occupational Therapy

The Master of Science in Occupational Therapy (MSOT) is for candidates with an earned bachelor's degree in a field other than occupational therapy. The program prepares graduates for entry-level practice and to serve as dynamic leaders, responsive to the needs of the human and professional communities. Graduates will draw from diverse perspectives to collaboratively solve ethical and clinical problems and engage in occupation-based, client and family-centered practice and scholarship that is guided by the principles of occupation, compassionate service, occupational and social justice, and the profession's core values and ethics. The full time, two-year program consists of four academic trimesters plus two trimesters (24 FTE weeks) of supervised clinical fieldwork post the baccalaureate degree. Upon completion of the program, graduates are eligible to sit for the national certification exam for occupational therapy administered by the National Board for Certification in Occupational Therapy (NBCOT) and are prepared for entry-level clinical practice.

Note about ACOTE's New Mandate

The Accreditation Council for Occupational Therapy Education (ACOTE) has mandated that the entry-level degree requirement for the occupational therapist move to the doctoral level by July 1, 2027. The Graduate Occupational Therapy Program will be developing its doctorate in occupational therapy (OTD) program over the next few years. The program anticipates welcoming its inaugural OTD class in the fall 2022 or fall 2023. The OTD will add an additional year to the entry-level occupational therapy curriculum. Students completing their bachelor's degree in the spring or summer of 2022 and later should anticipate meeting OTD admission requirements and prepare for an additional year of graduate study beyond the bachelor's degree (3 + 3 or 4 + 3). Students graduating from an ACOTE accredited master's degree in occupational therapy prior to July 1, 2027 will be eligible to sit for the NBCOT certification exam and obtain state licensure and will not be required to obtain a doctoral degree to practice.

What Makes Our Program Unique?

With a growing need for occupational therapists nationwide and increasing public interest in the profession, our program has made a commitment to personal attention and forging learning partnerships between faculty and students. This allows our faculty and students to get to know each other, create a learning community to engage in collaborative scholarship, and support continual learning for members of our occupational therapy community.

The faculty of Sacred Heart University's Occupational Therapy program believes that learning emerges from interactions between students, faculty, and clients and engagement in learning pedagogies that reflect practice. With these beliefs in mind, our program is structured to encourage and nurture active engagement, collaboration, and interactions among peers and with faculty. The program uses a wide variety of innovative, evidence-based teaching/learning methods to accommodate the diverse learning styles of students including seminars, laboratories, community-based projects, field visits, clinical fieldwork, small-group and individual work, lectures, faculty-led clinics and experiences, inter-professional educational activities, team-based learning, and problem-based learning. A major pedagogical method for our program is problem-based learning (PBL) in which small groups of students and a faculty facilitator work through a case to foster clinical reasoning and clinical decision-making. Problem-based learning facilitates learning of educational content while simultaneously creating a forum for engaging in interactions and clinical decision-making typical of team-based healthcare. Group interactions also support the development of professional behaviors critical to practice.

Our department's mission, vision, philosophy, and curriculum design reflects the values of the University as a whole as well as the educational philosophy of the American Occupational Therapy Association (AOTA, 2014). The acronym PRIDE, adopted by our program, reveals our commitment to excellence in ourselves, our program, and our students. The PRIDE aspirational goals stand for Principled, Responsive, Interprofessional, Dynamic, and Excellent:

The Curriculum's PRIDE Objectives
1. Practice in a safe, legal, and ethical manner.
2. Respond to unmet needs in undeserved communities through leadership, advocacy, or service.
3. Interact collaboratively and communicate effectively with individuals, populations, and interprofessional teams.
4. Demonstrate readiness, habits, and skills for self-directed, lifelong learning and self-reflection.
5. Exhibit critical thinking, clinical reasoning, use of evidence, and competence in skills requisite for entry-level, holistic application of the occupational therapy process.
6. Engage in professional activities and demonstrate professional behaviors.

Principled
- We expect and ensure ethical behavior.
- We make decisions with integrity.
- We are respectful of others.

Responsive
- We are caring, attentive, and present in interactions with others.
- We value and engage in service to meet needs.
- We identify learning needs and share our knowledge and expertise.

Interprofessional
- We interact collaboratively, share knowledge with and engage with interprofessional teams including professionals, students, clients, and caregivers.
- We communicate respectfully with interprofessional teams to develop a constructive team climate.
- We address differences in a way that strengthens team effectiveness.
- We understand our own and other’s roles and responsibilities and are able to appropriately share leadership based on that understanding.

Dynamic
- We are actively engaged in learning and teaching.
- We accept and support change.
- We take initiative.
- We seek and consider diversity of opinion.
- We gather and use feedback to promote growth and change in ourselves and others.

Excellent
- We excel in our areas of practice.
- We seek to exceed standards of competence.
- We engage in evidence-based practice and lifelong learning.
- We support and encourage curiosity.
- We are globally focused.
- We are committed to our professional organizations.

Our curriculum design is portrayed as the tree of life and reflects our beliefs about the complexity and interactive nature of human learning outlined in our mission and philosophy. The tree depicts learning as recursive, with new learning built on a foundation of previous knowledge and experience, thus becoming a new foundation for new learning in a continual process. The tree’s roots are the foundational knowledge upon which learning is built. Courses are organized into three branch themes; occupational therapy assessment and intervention preparing students with the knowledge and skills they need to become exemplary practitioners; therapeutic and professional relationship branch theme courses develop in students self-reflection and professional relationships, and evidence-based practice and professional identity branch theme courses facilitate creative and efficacious practice, participation in the profession’s scholarship, and engagement with the profession. The trunk symbolizes the teaching and learning processes that support and scaffolds scholarship and critical thinking. The tree’s leaves symbolize the skills, abilities, professional behaviors, and PRIDE outcomes of the graduates from our program. The tree’s branches circle back to its roots, demonstrating the continual process of learning of new information with the foundational roots as an occupational therapist growing throughout a lifetime of practice.

Program Accreditation
Sacred Heart University’s Graduate Occupational Therapy Program leading to the Master of Science in Occupational Therapy (MSOT) is fully accredited through 2026/2027 under “The Standards for an Accredited Educational Therapy Program for the Occupational Therapist - 2011” by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449, telephone c/o AOTA (301)-652-AOTA (2682).

The program is responsible for complying with all ACOTE accreditation standards and policies and interacting with ACOTE with integrity and honesty. The program will inform ACOTE of all major changes in curriculum, site locations, online/onsite formats, and the program director in a timely manner. The program will honestly and accurately represent the program and its ACOTE accreditation status in all its publications and web page available to the public.

More Information about Accreditation:
Accreditation Council for Occupational Therapy (ACOTE)
American Occupational Therapy Association (AOTA)
4720 Montgomery Lane, Suite 200
Bethesda, MD 20814-3449
Tel: 301-652-AOTA (2682)
http://www.acoteonline.org

http://www.aota.org

NBCOT Exam
Students must complete all fieldwork requirements within 24 month of completion of the didactic portion of the program. Graduates of the program are eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). All 50 states and three jurisdictions of Washington, DC, Puerto Rico, and Guam, require licensure in order to practice; however, most initial state licensures are usually based on the results of the NBCOT certification examination.

Please note that a felony conviction might affect a graduate’s ability to sit for the NBCOT exam and/or attain state licensure.

State Authorization Reciprocity Agreements

Sacred Heart University has been approved by Connecticut to participate in the National Council for State Authorization Reciprocity Agreements (NC-SARA) a voluntary, regional approach to state oversight of post-secondary distance education.

For information regarding professional licensure by state, visit Disclosures and Student Complaints in this catalog.

Admissions Requirements

For those applying for fall 2018 entry: Students entering the program must have completed their undergraduate degree in a discipline of their choice; however, the Bachelor of Science in Health Science major (BSHS) offers students a solid foundation in aspects of healthcare. Sacred Heart University undergraduates interested in completing their undergraduate study in three years may do so only in the Health Science major (BSHS). Refer to the Health Sciences website for the 3 + 2 pre-occupational therapy plan of study. Students must have earned a bachelor’s degree and completed all prerequisite courses from a university accredited by a United States Department of Education recognized regional accrediting authority. All prerequisites must be successfully completed by the summer semester prior to fall enrollment. Students educated outside the U.S. will need to have their transcripts evaluated by World Education Services (www.wes.org) for equivalency and must meet University established scores for the TOEFL exam. Provisional acceptance may be offered to students requiring the spring and/or summer prior to enrollment to complete the baccalaureate degree or prerequisite requirements.

All applicants applying for fall 2018 entry are required to successfully complete the bachelor’s degree and prerequisite requirements, maintain a 3.0 cumulative and 3.2 prerequisite GPA with no individual prerequisite grade below a C. The baccalaureate degree and all prerequisite courses must be successfully completed prior to enrollment. Eligible early and regular decision applicants must complete an onsite interview with a problem-based learning experience upon invitation as an admission requirement. Students admitted directly into the program as freshmen are not required to interview. All of the following prerequisite courses must be completed, with grades entered with the University Registrar, by the application deadline published by the Office of Graduate Admissions to determine admission status and eligibility for enrollment in the program: biology with laboratory, human anatomy and physiology I with laboratory, human anatomy and physiology II, psychology, and statistics.

Only official transcript grades submitted by the application deadline can be considered in determining whether or not a student maintains his or her admission status, seat in the program, and eligibility for enrollment. The program cannot hold seats beyond the application deadline to allow for students to take or retake any of the above-listed prerequisite courses. Students who have additional outstanding prerequisites may be considered provisional pending successful completion of all prerequisite courses. Admission criteria include:

• A baccalaureate degree with a 3.0 or better cumulative GPA and official transcripts from all colleges and universities attended.

• 3.2 or better prerequisite course GPA with no individual prerequisite course grade below a C. Required prerequisite courses are: biology with laboratory*, human anatomy and physiology I with laboratory*, human anatomy and physiology II*, a lifespan development course with content covering the entire lifespan, psychology, abnormal psychology, statistics *, and sociology or anthropology (*must be taken within past five years).

• Essay/writing sample completed online with the application.

• Two letters of recommendation.

• Relevant volunteer, observation, and/or work experience in the healthcare field with specific knowledge of occupational therapy is recommended.

• All applicants, except students admitted directly into the program as freshman, must successfully complete an onsite interview including the group problem-based learning experience with the Occupational Therapy Admissions Committee upon invitation.

Students accepted as freshman and those accepted provisionally must maintain all GPA and admission requirements as a condition for enrollment.

Students are required to have a laptop computer inclusive of professional-level Microsoft Office Suite, high-speed Internet access, a printer, proficiency in word processing, and e-mail at the time of enrollment and throughout the program.

For those applying for fall 2019 program entry and beyond: Students entering the program must have completed their undergraduate degree in a discipline of their choice; however, the Bachelor of Science in Health Science (BSHS) offers students a solid foundation in aspects of healthcare. Sacred Heart University undergraduates interested in completing their undergraduate study in three years may do so only if they major in Health Science (BSHS), providing that they complete all required prerequisites and meet all enrollment criteria by the end of the summer prior to enrollment. Refer to the Health Sciences website for the 3 + 2 plan of study. Students must have earned a bachelor’s degree and completed all prerequisite courses from a university accredited by
a United States Department of Education—recognized regional accrediting authority. All prerequisites must be successfully completed by the summer semester prior to fall enrollment. Students educated outside the U.S. will need to have their transcripts evaluated by World Education Services (www.wesc.org) for equivalency and must meet University established scores for the TOEFL exam. Provisional acceptance may be offered to students requiring the spring and/or summer prior to enrollment to complete the baccalaureate degree or prerequisite requirements. All applicants are required to successfully complete the bachelor’s degree and all required prerequisites and maintain a 3.2 cumulative and 3.2 prerequisite GPA with no individual prerequisite grade below a C. Only one prerequisite course may be repeated only one time. The baccalaureate degree and all prerequisite courses must be successfully completed prior to enrollment. All applicants, internal and external to Sacred Heart University, including students directly admitted as freshman, must submit Graduate Record Examination (GRE) scores. GRE Analytical Writing scores of 3.5 or above are required, and combined Verbal and Quantitative Reasoning scores of 300 or above are desired. Eligible early- and regular decision applicants must complete an onsite interview with a problem-based learning experience upon invitation as an admission requirement. Students admitted directly into the program as freshman are not required to interview.

All of the following prerequisite courses must be completed, with grades entered with the University Registrar, by the application deadline published by the Office of Graduate Admissions to determine admission status and eligibility for enrollment in the program: biology with laboratory, human anatomy and physiology I with laboratory, human anatomy and physiology II, psychology, and statistics.

Only official transcript grades submitted by the application deadline can be considered in determining whether or not a student maintains his or her admission status, seat in the program, and eligibility for enrollment. The program cannot hold seats beyond the application deadline to allow for students to take or re-take any of the above listed prerequisite courses. Students who have additional outstanding prerequisites may be considered provisional pending successful completion of all prerequisite courses. Additional admission criteria include:

- A baccalaureate degree with a 3.2 or better cumulative GPA and official transcripts from all colleges and universities attended.
- A 3.2 or better prerequisite course GPA with no individual prerequisite course grade below a C. Only one prerequisite may be re-taken one time. Required prerequisite courses are: biology with laboratory*, human anatomy and physiology I with laboratory*, human anatomy and physiology II*, a lifespan development course with content covering the entire lifespan, psychology, abnormal psychology, sociology or anthropology, and statistics* (*must be taken within past five years).
- GRE scores with Analytical Writing scores of 3.5 or better and required and combined Verbal and Quantitative Reasoning scores of 300 or better are desired. Sacred Heart University students admitted as freshman and those applying for the June 30th application deadline, must submit GRE scores by August 30th following the June 30th application deadline. Early and Regular decision applicants must submit GRE scores with their application.
- Essay/writing sample completed online with the application.
- Two letters of recommendation.
- Relevant volunteer, observation, and/or work experience in the healthcare field with specific knowledge of occupational therapy is recommended.
- All applicants, except students admitted directly into the program as freshman, must successfully complete an onsite interview including the group problem-based learning experience with the Occupational Therapy Admissions Committee upon invitation.

All applicants including those admitted as freshman must maintain all GPA and admission requirements as a condition for enrollment.

Students are required to have a laptop computer inclusive of professional-level Microsoft Office Suite, high-speed Internet access, a printer, and proficiency in word processing and e-mail at the time of enrollment and throughout the program.

Application Materials
Sacred Heart University students apply online at www.sacredheart.edu or through the Office of Graduate Admissions' webpage. External students complete the national occupational therapy common application (OTCAS) online at www.otcas.org. Please refer to the Office of Graduate Admissions' website for details on the Sacred Heart University and OTCAS application processes.

Applications must include the following materials:

- A graduate admissions application form and supplemental prerequisite sheet;
- A nonrefundable application fee (waived for Sacred Heart University students);
- Official transcripts from all previous college or university studies;
- GRE scores (for fall 2019 entry and beyond);
- Two letters of recommendation (one from an academic source and one from an employer or volunteer supervisor)
- Relevant volunteer, observation, and/or work experience in the healthcare field with specific knowledge of occupational therapy is recommended.

Application Deadlines for Fall Enrollment
Internal Sacred Heart University students admitted as freshman must complete the Sacred Heart University online application by June 30 following the junior year for 4 + 2 students or following the sophomore year for 3 + 2 students. Application materials are used to verify the student's continued eligibility for enrollment in the Occupational Therapy program. The application fee is waived for Sacred Heart University students.

Internal Sacred Heart University students not admitted as freshman may apply competitively submitting a completed application to the Office of Graduate Admissions by the June 30th deadline following the junior year for 4 + 2 students or following the sophomore year for 3 + 2 students. The application fee is waived for Sacred Heart University students.
Applicants external to Sacred Heart University may apply Early Decision by the October 31 application deadline, or Regular Decision by the December 15 application deadline. Highly qualified applicants who meet or exceed the admission criteria are encouraged to apply Early Decision.

Please allow a minimum of two to three months for OTCAS to verify your application. Sacred Heart University does not receive applications from the OTCAS system until the application has been completed and verified by OTCAS. OTCAS and Sacred Heart University reviews completed applications only.

Freshmen Admission for Qualified Freshmen Entering Sacred Heart University

Refer to Sacred Heart University's Undergraduate Catalog for freshman admission requirements.

Sacred Heart University freshmen who were admitted into the Graduate Occupational Therapy program as freshman must meet ALL of the program's admission standards as a condition for keeping their seat and enrolling in the Graduate Occupational Therapy program. Students admitted into the program as freshman who do not meet ALL of the criteria at the time of application will forfeit their seat and admission status to the Occupational Therapy program and will be ineligible for continued enrollment into the Graduate Occupational Therapy program.

Sacred Heart University students who were not admitted into the Graduate Occupational Therapy program as freshman may apply competitively to the program. All applicants must meet ALL of the program's admission standards at the time of application.

Early Decision

Early decision is for highly qualified applicants who have completed prerequisite courses in biology with laboratory, human anatomy and physiology I and II with laboratories, psychology, and statistics, with final course grades entered with the University's Registrar, meet GRE requirements (for fall 2019 program entry and beyond), and complete a successful interview with the Occupational Therapy Admissions Committee upon invitation.

Refer to "Admissions Requirements" above.

Transfer of Credits

Students interested in transferring into the Graduate Occupational Therapy program from another occupational therapy program may do so at the discretion of the program director and faculty admissions committee, depending on the student's qualifications, reason for transfer, and available seats. Transfer students must adhere to Sacred Heart University's course grade requirements for transferring into graduate programs (See "Transfer Credits and Residency Requirements" in the Graduate Admissions section of Sacred Heart University's Graduate Catalog). Only courses taken within the past six years at the graduate level from a USDE recognized regionally accredited college or university with a minimum grade of B are eligible for transfer credit. Students interested in transferring into the Graduate Occupational Therapy program must meet all admission criteria and complete an application with the Office of Graduate Admissions.

The Occupational Therapy curriculum reflects its philosophy, problem-based learning pedagogy, PRIDE vision, mission, and objectives to prepare reflective practitioners. Transfer students, therefore, are required to take all courses rooted in these philosophies and problem-based learning pedagogy regardless of the number of credits that may qualify for transfer. These courses include:

- OT 504 Therapeutic Use of Self
- OT 525 Health & Wellness: Personal Journey
- OT 526 Topics in Mental Health
- OT 527 Problem-Based Learning in Mental Health
- OT 528 Clinical Lab in Mental Health
- OT 529 Level I FW & Seminar: Mental Health
- OT 542 Health, Prevention, & Well-Being
- OT 578 Capstone I: Planning, Permissions, & Approvals
- OT 545 Topics in Pediatrics & Adolescence
- OT 547 Clinical Lab: Pediatrics & Adolescence
- OT 548 Level I FW & Seminar: Pediatrics & Adolescence
- OT 549 Problem-Based Learning: Pediatrics & Adolescence
- OT 574 Topics in Adults & Geriatrics
- OT 575 PBL in Adults & Geriatrics
- OT 576 Clinical Lab: Adult & Geriatrics
- OT 577 Level I Fieldwork & Seminar
- OT 608 Capstone II: Implementation
- OT 609 Portfolio
- OT 691 Level II Fieldwork
- OT 693 Level II Fieldwork

Prerequisite Courses

- Biology I with Lab (4 credits)*
- Human Anatomy & Physiology I with Lab (4 credits)*
- Human Anatomy & Physiology II with Lab (4 credits)*
- Psychology (3 credits)
- Abnormal Psychology (3 credits)
- Lifespan Development or Developmental Psychology (3–9 credits) (content must include the study of the entire lifespan, from birth to old age)
- Sociology, Anthropology, Social Psychology, or Diversity/Multicultural Studies (3 credits)
- Statistics, or Psychological Statistics, or Social Statistics, or Biostatistics (content must include descriptive statistics,
probability, confidence intervals, correlation, and hypothesis testing) (3 credits)"

Only prerequisite course grades of C or better meet prerequisite requirements. Only one prerequisite course may be repeated only one time.

*Must have been completed within the past 5 years.

**Degree Requirements**

The program is full time consisting of four academic trimesters followed by two trimesters of different, 12-week experiences of full-time supervised clinical fieldwork. Coursework during the academic trimesters is completed with classes scheduled during the day and evening. The supervised level II clinical fieldwork is completed as two separate, 12-week, full time experiences with hours determined by the clinical site. Level I fieldwork is integrated into the course schedule during the second, third, and fourth academic trimesters. The curriculum sequence is completed in two calendar years including summers. Successful completion of all coursework, level I and II fieldwork, a completed portfolio, and the capstone project with professional poster presentation and defense are required for graduation. Level II fieldwork experiences must be successfully completed within 24 months of completion of coursework.

Note: A criminal background or felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination and/or attain state licensure. All graduate programs in occupational therapy require the successful completion of level I and level II supervised clinical fieldwork. The majority of clinical fieldwork sites require students to complete a criminal background check, fingerprinting, and/or drug testing prior to clinical education placements. Additionally, states may restrict or prohibit those with criminal backgrounds from obtaining a professional license, and NBCOT may deem persons with criminal backgrounds as ineligible to sit for the NBCOT certification examination. Therefore, students with criminal backgrounds may not be able to obtain the required clinical education experience(s), thus failing to meet the Occupational Therapy program’s academic requirements. It is therefore the program’s policy that all admitted students planning to enroll must consent, submit to, and satisfactorily complete a criminal background check (CBC) within six (6) weeks of registration for courses as a condition of matriculation. Matriculation will not be final until the completion of the criminal background check with results deemed acceptable to the program director or academic fieldwork coordinator. All expenses associated with the CBC, fingerprinting, and/or drug screening are the responsibility of the applicant. Applicants who do not consent to the required background check, refuse to provide information necessary to conduct the background check, or provide false or misleading information in regard to the background check may be subject to disciplinary action up to and including refusal of matriculation or dismissal from the program.

Some fieldwork placements may require an additional background check, fingerprinting, and/or drug screening prior to beginning the fieldwork experience, which must be completed at the student’s expense. The University and or the Occupational Therapy program have no obligation to refund tuition or otherwise accommodate students in the event that a criminal background check or drug screening renders the student ineligible to complete required courses or fieldwork. Please see the Occupational Therapy program’s Student Manual for complete information on criminal background checks and policy regarding adverse information in a CBC report. Students who are twice denied a fieldwork placement based on the results of a background check, fingerprinting, and/or drug screenings will be considered ineligible for placement and unable to complete the program and, therefore, will be dismissed from the program.

**REQUIRED COURSES**

**Fall Semester, PY1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OT 501</td>
<td>Introduction to Occupational Therapy as a Profession</td>
<td>3</td>
</tr>
<tr>
<td>OT 504</td>
<td>Therapeutic Use of Self I</td>
<td>2</td>
</tr>
<tr>
<td>OT 505</td>
<td>Health Policy &amp; Law</td>
<td>2</td>
</tr>
<tr>
<td>OT 523</td>
<td>Applied Functional Anatomy &amp; Neuroanatomy</td>
<td>4</td>
</tr>
<tr>
<td>OT 524</td>
<td>Physical &amp; Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>OT 525</td>
<td>Conditions Across the Lifespan</td>
<td>0.5</td>
</tr>
<tr>
<td>OT 526</td>
<td>Health &amp; Wellness: Personal</td>
<td>3</td>
</tr>
<tr>
<td>OT 527</td>
<td>Journey</td>
<td>0.5</td>
</tr>
<tr>
<td>OT 530</td>
<td>Needs Assessment &amp; Program</td>
<td>2</td>
</tr>
<tr>
<td>OT 543</td>
<td>Development</td>
<td>3</td>
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</table>

**Spring Semester, PY1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OT 503</td>
<td>Research I: Introduction to Research</td>
<td>2</td>
</tr>
<tr>
<td>OT 526</td>
<td>Topics in Mental Health</td>
<td>2</td>
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<tr>
<td>OT 527</td>
<td>Problem-Based Learning in Mental Health</td>
<td>3</td>
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<tr>
<td>OT 528</td>
<td>Clinical Lab in Mental Health</td>
<td>5</td>
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<tr>
<td>OT 529</td>
<td>Level I FW &amp; Seminar: Mental Health</td>
<td>0.5</td>
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<tr>
<td>OT 530</td>
<td>Groups</td>
<td>2</td>
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<tr>
<td>OT 543</td>
<td>Needs Assessment &amp; Program</td>
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**Fall Semester, PY2**

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<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OT 545</td>
<td>Topics in Pediatrics &amp; Adolescence</td>
<td>2</td>
</tr>
<tr>
<td>OT 547</td>
<td>Clinical Lab: Pediatrics &amp; Adolescence</td>
<td>5</td>
</tr>
<tr>
<td>OT 548</td>
<td>Level I FW &amp; Seminar: Pediatrics &amp; Adolescence</td>
<td>1</td>
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<tr>
<td>OT 549</td>
<td>Problem-Based Learning: Pediatrics &amp; Adolescence</td>
<td>5</td>
</tr>
<tr>
<td>OT 607</td>
<td>Leadership &amp; Management</td>
<td>3</td>
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<tr>
<td>OT 608</td>
<td>Capstone II: Implementation</td>
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</table>

OT 608: Note: The capstone project, professional poster presentation and defense, and completed portfolio are graduation requirements. Special mandatory presentations and events are scheduled between the two level II fieldwork experiences and prior to the May graduation ceremony. All level I and II fieldwork requirements must be completed within 24 months of completion of coursework.

**Spring Semester, PY2**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>OT 609</td>
<td>Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>OT 691</td>
<td>Level II Fieldwork</td>
<td>4</td>
</tr>
</tbody>
</table>

OT 609: Note: The capstone project, professional poster presentation and defense, and completed portfolio are graduation requirements. Special mandatory presentations and events are
scheduled between the two level II fieldwork experiences and prior to the May graduation ceremony. All level I and II fieldwork requirements must be completed within 24 months of completed coursework.

Summer Semester, PY2
OT 693 Level II Fieldwork 4

Continuous Enrollment Policy

Graduate students in the master’s degree program in Occupational Therapy must maintain continuous enrollment in the program. Students who need to take a leave of absence from the program must apply, in writing, to the program chair and director. The student’s leave of absence request must state the reason for the leave request, anticipated semester or date of return, and must be dated and signed by the student. The students may be required also append appropriate documentation from a physician or other appropriate persons that supports the request. The Chair and Professional Performance Committee will review the student's request and a maximum of one 12-month leave of absence may be granted. As the program is a lock-step curriculum, students must reenter the program following a leave of absence in the required curriculum sequence. If a request is denied, or if a student fails to enroll for their next consecutive trimester in the program, the student must apply for readmission through the Office of Graduate Admissions. Students who are readmitted must adhere to the admission criteria, curriculum, policies, and guidelines in effect at the date of readmission. The University may charge a continuous enrollment fee each trimester the student is not enrolled to maintain the the student's matriculation.

Physician Assistant Studies

TERESA THETFORD, DHSc, MS, PA-C
Chair, Director, and Clinical Associate Professor
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E-mail: thetfordt@sacredheart.edu

Master of Physician Assistant Studies

Sacred Heart University’s College of Health Professions offers a Master in Physician Assistant Studies (MPAS) degree as a full-time, 27-month, 123-credit program.

The MPAS program will prepare individuals to practice medicine with the supervision of a licensed physician, in compliance with the PA profession competencies described and accepted by the profession. For more information on the PA profession competencies, visit the NCCPA website.

The SHU MPAS program is designed to prepare future professionals to work as generalist PAs. MPAS graduates will be educated to provide compassionate, respectful, high-quality healthcare, and have proficiency in the competencies as described by the PA profession competencies. After successfully passing the PA National Certification Exam, graduates of the SHU MPAS program will qualify to work in any of the fifty states as a certified PA (PA-C). The PA-C must then apply for and obtain state licensure in the state they wish to work.

Accreditation Status

The ARC-PA has granted Accreditation-Provisional status to the Sacred Heart University Physician Assistant Program sponsored by Sacred Heart University. Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program’s ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students.

Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

For information about accreditation, please visit the ARC-PA website at www.arc-pa.org.

What Makes Our Program Unique

- Join a university rich in the tradition of service, learning, and commitment to community service
- Learn alongside world-class physicians and clinicians in preeminent medical facilities in a variety of clinical settings
- New classroom facilities that include a patient-assessment suite
- Interprofessional educational experiences with students in other SHU College of Health Professions programs
- Experienced PA educators
- Faculty involvement in national PA organizations
- Student-centered learning environment
- Innovative curriculum that includes specific courses offered in a hybrid online/on-campus format
- First-year clinical integration experiences
- Primary-care, patient-centered focus
- Small class size
- Located in Stamford, a culturally diverse community in southwest Connecticut, within 40 miles of New York City

Physician Assistant Studies Mission

Our mission is to provide students with engaging experiences that facilitate lifelong learning, enhance diverse perspectives, emphasize primary care and collaborative practice, and foster a spirit of service with a commitment to continuously improve the health of our communities.

To achieve our mission, we are committed to the following core values:

Excellence
Our program is dedicated to promoting critical thinking, evidence-based practice, integrity, and professionalism as hallmarks of the PA profession. We foster in our students a desire to contribute to the growth of medical knowledge and continuous advancement of PA practice, integrating quality improvement and patient safety, and to become leaders in our profession and communities.

Diversity

Our program is committed to diversity and global awareness. We are dedicated to advocating inclusion and to appreciating and embracing the diversity of the human community.

Compassion

We value the dignity of those we teach, work with, and the communities we serve. We recognize that caring must be the foundation of our professional and personal interactions, and believe that each person deserves health, wellness, equity, and respect.

Program Goals

To work toward achieving our mission, our program goals are to:

• Prepare graduates to practice in primary-care and other healthcare settings by providing them with the skills to promote health, wellness, and safety in their patients and communities as professional, caring providers of high-quality medical care.

• Educate highly qualified individuals from diverse backgrounds and experiences who are committed to our mission.

• Prepare graduates to work collaboratively as members of an interprofessional team, advocating a culture of teamwork and fostering compassionate patient-centered care in a mutually respectful community.

• Promote ethical and professional behavior in all interactions.

• Equip graduates to be lifelong, self-directed learners who assess and improve patient care outcomes by utilizing current evidence-based practice and information exchange systems.

• Encourage students and graduates to make a contribution to the community, acknowledging and respecting social and cultural influences on population health outcomes, by providing opportunities and encouraging on-going participation in community service.

• Support personal and professional growth of students, faculty, and staff by providing development and leadership opportunities.

Admissions Requirements

The Master of Physician Assistant Studies program seeks students who are mature, possess excellent communication skills, are team-oriented, and demonstrate intellectual capacity and integrity.

The Physician Assistant (PA) Studies program uses a holistic admissions process. This is a process by which applicant’s cognitive skills, such as GPA, are balanced with non-cognitive variables including but not limited to commitment to service, cultural sensitivity, empathy, capacity for growth, emotional resilience, strength of character, and interpersonal skills. This approach encourages diversity and the equitable evaluation of well-rounded applicants.


Applicants must use the Central Application Service for Physician Assistants (CASPA). All prerequisites and requirements must be completed by the SHU admissions deadline of October 1.

All applicants, including graduates from foreign institutions, must hold either U.S. citizenship or permanent residence status at the time of application. Applicants with pending citizenship or temporary residency will not be considered.

Degree Prerequisites

An earned baccalaureate degree from a regionally accredited college or university, or an equivalent institution as determined by Sacred Heart University, is required to be conferred by the SHU admissions deadline (October 1).

Applicants educated outside the U.S. must utilize a transcript evaluation service to verify their degree and coursework. The academic record must show credits and grades equivalent to those given by U.S. institutions of higher learning.

Coursework Prerequisites

The following courses must be completed at a regionally accredited institution in the United States with a grade of C or better by the Oct. 1 deadline and are the minimum requirements for all applicants.

16 semester units of biological science courses, which must include:

• Microbiology with Lab
• Human Anatomy with Lab
• Human Physiology with Lab
• Upper Division College-Level Biological Science with Lab
  • Examples of acceptable coursework: Cell Biology, Human Genetics, Immunology, Molecular Biology, Neurobiology and Pathology
  • General Biology/Biology I is not an acceptable course for the Upper Division Biological Science requirement

One course of EACH of the following:

• Organic Chemistry I with Lab or Biochemistry with Lab (Biochemistry preferred)
• Statistics (Biostatistics preferred)
• General Psychology

Advanced Placement (AP) credits will be accepted for Psychology and Statistics.

Highly recommended but not required courses:

• Human Genetics
• Abnormal Psychology
• Biostatistics
• Biochemistry

The PA Studies program accepts prerequisite lecture courses completed online but does not accept labs completed online. PA Studies requires that all labs be completed in a classroom setting. Virtual labs are not considered an acceptable format. Some online courses offer an online lecture with labs completed in a classroom setting; this is an acceptable format.

PA Studies does not accept transfer credits, and does not accept applications for challenge examinations. We do not accept previous experience or medical training for advanced placement in the PA Studies program. All students are expected to complete all didactic and clinical elements of the PA Studies program.

Minimum Requirements
• Overall GPA of 3.0
• All Prerequisite courses: Cumulative GPA of 3.0
• A minimum of 1,000 hours of verifiable, paid, hands-on (direct) patient care experience in the U.S. healthcare system. Healthcare experience will be evaluated based on the type of work and level of patient interaction

Examples of paid, hands-on (direct) patient experience include but are not limited to:
• Back Office Medical Assistant (MA)
• Certified Nursing Assistant (CNA) or Patient Care Assistant (PCA)
• Emergency Department Technician
• Emergency Medical Technician (EMT)
• Licensed Practical Nurse (LPN/LVN)
• Medical Scribe
• Military Medic or Corpsman
• Paramedic
• Physical Therapy Aide
• Radiological Technician
• Respiratory Therapist

Highly competitive applicants will also possess the following:
• Participation in community service or volunteer work
• Greater than 2,000 hours of paid, hands-on (direct) patient care experience completed in the U.S. healthcare system
• Prerequisite GPA of 3.2 or higher
• Completed college-level science course credit hours of 80 hours or more

Additional consideration will be given to applicants with current Connecticut resident status or applicants with verifiable military service. SHU participates in the Yellow Ribbon Program:

http://www.sacredheart.edu/officeservices/registrar/vabenefits/yellowribbonprogram/.

Applicants with an earned bachelor’s or master’s degree from Sacred Heart University or a current Stamford Hospital employee or a current Stamford Health employee who meet all minimum requirements and Technical Standards will be granted an in-person interview.

Additional requirements:
• Application through the Central Application Service for Physician Assistants (CASPA)
• A personal statement (on CASPA)
• Supplemental SHU Essay Questions completion (on CASPA)
• Official college transcripts (sent to CASPA)
• Three letters of reference must include at least one letter from a work supervisor
• Successful interview, by invitation only
• Must meet all Technical Standards
• Completion of criminal background check is required prior to starting the PA program and clinical phase
• If selected to join SHU's PA Program a candidate is required to provide proof of patient care hours

Test Scores
• Scores from the Graduate Records Examination (GRE) are NOT required for admission to the PA Studies program.
• Applicants who have not earned a baccalaureate degree from a regionally accredited institution in the U. S. must also submit official scores from the Test of English as a Foreign Language (TOEFL) regardless of the official language of the country in which the education took place or the predominant language of the degree-granting institution.

Minimum TOEFL scores accepted are:
  Reading: 22/30
  Listening: 22/30
  Speaking: 26/30
  Writing: 24/30

Technical Standards

A Physician Assistant (PA) must have the knowledge and skill to practice in a variety of clinical situations and to render a wide spectrum of care based on the patient's needs. In addition to academic achievements, exam results, and recommendations, physician assistant students must possess the physical, emotional, and behavioral capabilities requisite for the practice of medicine as a PA. In order to successfully complete the PA clinical training program, candidates and students must demonstrate proficiency in academic and clinical activities with regard to the competencies described below.

Observation
Candidates and PA students must have sufficient sensory capacity to observe in the classroom, the laboratory, the outpatient setting, and at the patient's bedside. Sensory skills adequate to perform a physical examination are required including functional vision, hearing, smell, and tactile sensation. All these senses must be adequate to observe a patient's condition and to accurately elicit information through procedures regularly required in a physical examination, such as inspection, auscultation, percussion, and palpation.

**Communication**

Candidates and PA students must be able to:

- Communicate effectively and sensitively with patients and others in both academic and healthcare settings
- Speak clearly
- Communicate effectively and efficiently in oral and written English with faculty and staff, patients, and all members of the healthcare team. Communication includes not only speech, but also reading and writing skills
- Demonstrate reading skills at a level sufficient to accomplish curricular requirements, provide clinical care for patients, and complete appropriate medical records, documents, and plans according to protocol in a thorough and timely manner
- Perceive and describe changes in mood, posture, activity, and interpret non-verbal communication signs

**Motor Coordination and Function**

Candidates and PA students are required to possess motor skills sufficient to directly perform palpation, percussion, auscultation, and other basic diagnostic procedures, and to execute motor movements reasonably required to provide basic medical care and emergency care to patients, including but not limited to:

- Cardiopulmonary resuscitation
- Administration of intravenous medication
- Application of pressure to stop hemorrhage
- Opening of obstructed airways
- Suturing of simple wounds
- Performance of simple obstetrical maneuvers
- Negotiate patient care environments and ability to move between settings, such as clinic, classroom, laboratory, and hospital
- Maintain sufficient physical stamina to complete the rigorous course of didactic and clinical study. Long periods of sitting, standing, or moving are required in classroom, laboratory, and clinical settings

**Intellectual-Conceptual, Integrative, and Quantitative Abilities**

These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem-solving, the critical skill demanded of physician assistants, requires all of these intellectual abilities. Candidates and PA students must be able to:

- Measure, calculate, reason, analyze, and synthesize
- Interpret dimensional relationships and understand the spatial relationships of anatomical structures
- Search, read, and interpret medical literature

The ability to incorporate new information from peers, teachers, and the medical literature in formulating diagnoses and plans is essential. To complete the Physician Assistant Studies program, candidates and PA students must be able to demonstrate proficiency of these skills and the ability to use them together in a timely fashion in medical problem-solving and patient care.

**Behavioral and Social Attributes**

Compassion, integrity, ethical standards, concern for others, interpersonal skills, and motivation are all personal qualities important to providing compassionate and quality patient care.

Candidates and PA students must:

- Possess the emotional health required for full utilization of their intellectual abilities, the exercise of good judgment, and the completion of all academic and patient care responsibilities
- Develop mature, sensitive, and effective relationships with patients, faculty, and other members of the healthcare team
- Function in the face of uncertainties inherent in clinical practice and adapt to changing environments
- Possess flexibility, compassion, integrity, motivation, interpersonal skills, and concern for others

Individuals with disabilities (as defined by Section 504 of the Rehabilitation Act and the Americans with Disabilities Act) may be qualified for the Master of Physician Assistant Studies (MPAS) program with the use of reasonable accommodations. Students requesting accommodations will be required to provide documentation in the form of testing and/or medical opinions. After reviewing that documentation, the university may require the student to submit to our own testing and/or medical evaluations. To be qualified for the MPAS program, candidates and students must be able to meet both our academic and technical standards, with or without reasonable accommodation. Accommodation is viewed as a means of assisting students with disabilities to meet essential standards by providing them with an equal opportunity to participate in all aspects of each course or clinical experience. Reasonable accommodation is not intended to guarantee that students will be successful in meeting the requirements of any one course or clinical education.

**The Use of Auxiliary Aids and Intermediaries**

Qualified students with documented disabilities who are provided with reasonable accommodations may use an intermediary or an auxiliary aid. Such reasonable accommodations should be designed to help the student meet learning outcomes without eliminating essential program elements or fundamentally altering the MPAS curriculum. No disability can be reasonably accommodated with an intermediary that provides cognitive support, substitutes for essential clinical skills, or supplements clinical and ethical judgment. Thus, accommodations cannot eliminate essential program elements or fundamentally alter the MPAS curriculum.

**Degree Requirements**
The program is full-time consisting of seven academic trimesters. Coursework during the academic trimesters is completed with full-time classes. Classes are scheduled during the day and/or evening. The supervised clinical rotations are full-time with the hours determined by the clinical site. The full-time program sequence is completed in 27 months including summers. Successful completion of all coursework, clinical rotations, and the Capstone Project are required for graduation.

**Student Work Policy**

Students are discouraged from working while in the PA Studies program due to the robust nature of the program. In the event a student chooses to work, they are not permitted to miss or reschedule lectures, lab sessions, journal clubs, seminar sessions, or any part of their didactic or clinical educational requirements. The program has the right to recommend termination of employment based on academics that fall below the minimum University and program requirements.

**Background Check**

Successful completion of the MPAS Program includes satisfactory completion of the clinical education component of the curriculum. The majority of clinical sites now require students to complete a criminal background check prior to participating in clinical education placements. Some facilities may also require fingerprinting and/or drug screening. State licensure laws may also restrict or prohibit those with criminal convictions from obtaining a professional license to practice following graduation. Thus, students with criminal convictions or backgrounds may not be able to obtain required clinical education experience(s) thereby failing to meet the academic standards of the Program.

It is therefore the policy of PA Studies Program that all admitted students planning to enroll in the MPAS Program must consent, submit to, and satisfactorily complete a criminal background check before registration for courses as a condition of matriculation. Matriculation will not be final until the completion of the criminal background check with results deemed acceptable to the program director or MPAS Director of Clinical Education.

All expenses associated with the criminal background check are the responsibility of the student. Students who do not consent to the required background check, refuse to provide information necessary to conduct the background check, or provide false or misleading information in regard to the background check will be subject to disciplinary action up to and including refusal of matriculation or dismissal from the program.

Criminal background information is strictly confidential, for use only by authorized MPAS Program faculty and/or administrative staff, and shall be retained only until the student graduates or is dismissed from the program.

**CURRICULUM**

Curriculum integration is used throughout the program to bridge the gaps between subject areas in order to provide students with better learning opportunities that will facilitate the development of knowledge that is relevant and meaningful to clinical practice. The curriculum is based on body systems and follows a systematic, step-wise approach to build on the depth and breadth of knowledge.

**Didactic Year (65 credits)**

### Fall Semester:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 501</td>
<td>Medical Science I</td>
<td>4</td>
</tr>
<tr>
<td>PA 503</td>
<td>Infectious Disease/Clinical Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>PA 504</td>
<td>Principles of Medicine I</td>
<td>5</td>
</tr>
<tr>
<td>PA 507</td>
<td>Pharmacology I</td>
<td>2</td>
</tr>
<tr>
<td>PA 510</td>
<td>Patient Assessment &amp; Clinical Reasoning I</td>
<td>2.5</td>
</tr>
<tr>
<td>PA 512</td>
<td>Diagnostic Medicine I</td>
<td>2.5</td>
</tr>
<tr>
<td>PA 514</td>
<td>Professional Practice</td>
<td>2</td>
</tr>
</tbody>
</table>

### Spring Semester:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 502</td>
<td>Medical Science II</td>
<td>4</td>
</tr>
<tr>
<td>PA 505</td>
<td>Principles of Medicine II</td>
<td>7</td>
</tr>
<tr>
<td>PA 508</td>
<td>Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td>PA 511</td>
<td>Patient Assessment &amp; Clinical Reasoning II</td>
<td>3</td>
</tr>
<tr>
<td>PA 513</td>
<td>Diagnostic Medicine II</td>
<td>2.5</td>
</tr>
<tr>
<td>PA 516</td>
<td>Evidence-Based Practice</td>
<td>2.5</td>
</tr>
<tr>
<td>PA 523</td>
<td>Medical Spanish</td>
<td>2</td>
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</table>

### Summer Semester:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PA 506</td>
<td>Principles of Medicine III</td>
<td>7</td>
</tr>
<tr>
<td>PA 509</td>
<td>Pharmacology III</td>
<td>2</td>
</tr>
<tr>
<td>PA 519</td>
<td>Behavioral/Mental Health Medicine</td>
<td>2</td>
</tr>
<tr>
<td>PA 520</td>
<td>Primary Care Medicine</td>
<td>2</td>
</tr>
<tr>
<td>PA 521</td>
<td>Clinical Skills &amp; Procedures</td>
<td>2</td>
</tr>
<tr>
<td>PA 522</td>
<td>Healthcare Delivery</td>
<td>1.5</td>
</tr>
<tr>
<td>PA 515</td>
<td>Population Health &amp; Wellness</td>
<td>2</td>
</tr>
</tbody>
</table>

### Clinical Phase (58 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PA 601</td>
<td>Internal Medicine I</td>
<td>5</td>
</tr>
<tr>
<td>PA 602</td>
<td>OB-GYN/Women's Health</td>
<td>5</td>
</tr>
<tr>
<td>PA 603</td>
<td>Pediatrics</td>
<td>5</td>
</tr>
<tr>
<td>PA 604</td>
<td>General Surgery</td>
<td>5</td>
</tr>
<tr>
<td>PA 605</td>
<td>Orthopedics</td>
<td>5</td>
</tr>
<tr>
<td>PA 606</td>
<td>Mental/Behavioral Health</td>
<td>5</td>
</tr>
<tr>
<td>PA 607</td>
<td>Emergency Medicine</td>
<td>5</td>
</tr>
<tr>
<td>PA 608</td>
<td>Family Medicine</td>
<td>5</td>
</tr>
<tr>
<td>PA 609</td>
<td>Family Medicine/Primary Care</td>
<td>5</td>
</tr>
<tr>
<td>PA 610</td>
<td>Clinical Rotation Elective</td>
<td>5</td>
</tr>
<tr>
<td>PA 611</td>
<td>Masters Capstone Project</td>
<td>1</td>
</tr>
<tr>
<td>PA 612</td>
<td>Masters Capstone Project</td>
<td>5</td>
</tr>
<tr>
<td>PA 613</td>
<td>Graduate Seminar</td>
<td>2</td>
</tr>
<tr>
<td>PA 614</td>
<td>Summative Evaluation</td>
<td>Pass/Fail 0</td>
</tr>
</tbody>
</table>

**Continuous Enrollment Policy**

Graduate students in the Master of Physician Assistant Studies program must maintain continuous enrollment. Students who need to take a leave of absence (LOA) from the Program must apply in writing and be approved by the program chair and director and by the Student Progress Committee. Due to the robust and lock-step integrated curriculum, a LOA will not be granted in the didactic year. Students with unexpected absences due to illness or injury who miss more than two consecutive weeks in the didactic year will be suspended from the program. Students may return to the program in the next matriculating class, which must be within 12 months of the program in the next matriculating class.
months from date of suspension. A student may request a LOA in the clinical phase of the program for extenuating personal reasons or illness for a minimum of five weeks to a maximum of one year (12 months). The student should be aware that taking a LOA may affect his/her financial aid. Students who take a LOA will be delayed in graduating from the program. Only one LOA will be granted during the student’s tenure in the PA Studies program. For updated program information, please visit our website at Sacred Heart Physician Assistant Program.

Public Health

ANNA GREER, PhD, CSCS
Director
Phone: 203-416-3936
Fax: 203-365-4723
E-mail: greera@sacredheart.edu

Program Rationale

The Sacred Heart University Master of Public Health program prepares individuals to protect and improve the health of individuals and communities. As such, students will be required to critically examine how biological, behavioral, social, and environmental factors influence health. Students will learn how to address these factors through the creation and evaluation of programs and policies designed to improve the health of individuals and communities. Students’ education will be grounded in a social justice philosophy, which calls for improving the health of the population while ensuring fair treatment of the disadvantaged. The Master in Public Health (MPH) program is located within the Public Health Department.

Masters in Public Health

Program Description

There are three major components of the Master of Public Health curriculum: (1) core courses, (2) community health specialization and (3) a graduate project or thesis requirement. The full degree program will be 48 credit hours taken over two years if attending full-time. Part time options are available as well.

Students who complete the MPH program will:

- Demonstrate advanced knowledge in public health’s mission and core functions, epidemiology, biostatistics, social ecological determinants of health, health promotion, public health administration, research methods, health systems and health policy
- Develop a deeper understanding of public health theories, public health program planning and evaluation, community health development, and grant writing
- Develop a deeper understanding of health administration, and leadership and ethics in public health
- Appropriately implement public health programs and policies to support and promote population health and wellness
- Lead and manage in a variety of settings, such as worksites, health care, faith-based settings, and more
- Contribute to research activities in public health settings

Admissions Requirements

Students will apply through the Graduate Admissions Office of the University. In addition to application materials, applicants must demonstrate completion of the program prerequisites including:

- Completion of a bachelor’s degree with a minimum GPA of 3.0.
- Undergraduate prerequisite coursework in the following courses with an earned C or higher:
  - Psychology (3 credits)
  - Statistics (3 credits)

Program of Study 48 credits

Core Courses (39)

| Core Course | Profession and Science of Public Health | 3 |
| MPH 400    | Research Methods                            | 3 |
| MPH 401    | Biostatistics                                | 3 |
| MPH 402    | Social Ecological Determinants of Health     | 3 |
| MPH 406    | Grant Reporting and Writing                  | 3 |
| MPH 407    | Public Health and Health Care Systems        | 3 |
| MPH 409    | Policy in Public Health                      | 3 |
| MPH 410    | Systems Thinking                             | 3 |
| MPH 411    | Epidemiology                                 | 3 |
| MPH 496    | Public Health Seminar I                      | 3 |
| MPH 497    | Public Health Thesis I                       | 3 |
| MPH 499    | Public Health Thesis II                      | 3 |

Community Health Specialization

| MPH 450    | Community Health Development                 | 3 |

Physical Therapy

Christopher Petrosino, PT, PhD
Chair and Director
Phone: 203-396-8078
Fax: 203-396-8075
E-mail: petrosinoc@sacredheart.edu

Doctor of Physical Therapy

The University's Doctoral Program in Physical Therapy (DPT) prepares students for professional practice as general practitioners who demonstrate self-directed, ongoing learning, competency in clinical practice, a commitment to the application of professional skills, and knowledge in service to others. The program's curriculum is a problem-based learning (PBL) design. PBL places emphasis on the development of a reflective practitioner by teaching students to learn from and solve clinical problems. Curriculum content is organized around carefully designed clinical patient problems that students study, discuss, and research in small tutorial groups. Students learn to synthesize information from multiple disciplines as it is relevant to the clinical problem. Tutorial group work develops interdependence among students and
supports the use of peers in learning and problem-solving. Clinical education includes part-time, integrated experiences in each of the academic semesters, and full-time clinical education in the summer following the first year and during the fall and spring of the third year. Clinical education totals thirty-eight (38) weeks of full-time work and approximately twelve (12) to sixteen (16) hours per semester of direct patient care.

Expected Student Learning Outcomes

The Doctoral Program in Physical Therapy established Student Learning Outcomes that align with the College of Health Professions Student Learning Outcomes and the University’s Strategic Plan. Students who graduate from the Doctor of Physical Therapy Program at Sacred Heart University will...

Practice in a manner consistent with established legal and professional standards and ethical guidelines.

- Apply clinical-decision making skills to effectively develop and implement a clinical examination, physical therapy diagnosis, plan of care and prognosis.
- Apply self-directed, life-long learning principles from the underpinnings of problem-based learning to anticipate, adapt and respond to changes in the health care delivery system.
- Analyze, synthesize, and evaluate evidence to facilitate best patient outcomes by effective use of the professional literature and current information technologies.
- Communicate effectively with patients, families, caregivers, other disciplines and the community in ways that are congruent with situational needs.
- Adapt delivery of physical therapy services with consideration for patients’ differences, values, preferences, and needs.
- Participate in inter-professional activities for the benefit of patients, families, and community.

Admission Requirements

Students entering the program must have completed an undergraduate degree in the discipline of their choice. Students also must have completed the necessary course prerequisites prior to the start of the doctoral program and have no more than two courses outstanding at the time of application. Students are admitted to the program on a competitive basis. External applicants must submit all materials for admission consideration by the date published by the Graduate Admissions Office and apply through PTCAS. Internal applicants must submit all materials for admission consideration by the date published by the Graduate Admissions Office and apply through SHU PT Graduate Application.

Admission Requirements Include: Completion of an UG degree and all pre-requisite courses from a regionally accredited College or University Undergraduate and pre-requisite GPA of 3.2 or higher

- No grade lower than a "C" in any pre-requisite courses. Grades from one repeated course will be permitted for use in pre-requisite GPA calculation. All science prerequisite courses must be taken at a regionally accredited 4-year institution.
- Two letters of recommendation: one from a past employer, one from an academic source
- Observation of PT practice in two clinical practice settings for a minimum of 50 hours total
- GRE required (no minimum score) Successful completion of the Admission Interview

DEGREE REQUIREMENTS

The program is a three-year, 108 credit course of study offered on a full-time basis only, to allow for the professional socialization of the student and the integration of coursework. This program leads to preparation for licensure as a physical therapist.

Prerequisite Requirements:
Undergraduate prerequisite required coursework includes (see course descriptions below):

- Human Anatomy and Physiology (6-8 credits with lab)
- Biology (6-8 credits with lab)
- Chemistry (Inorganic, 6-8 credits with lab)
- Physics (Non-calculus, 6-8 credits with lab)
- Statistics (Descriptive and inferential, 3-4 credits)
- Mathematics (Pre-calculus or higher, 3-4 credits)
- Psychology (Introduction and upper level, 6-8 credits)

Please note the following:

- Catalog descriptions must match SHU catalog descriptions listed below, especially lab component
- Science prerequisite courses (A&P, Biology, Chemistry, and Physics) must be taken at a regionally accredited four-year institution
- Science prerequisite courses must be taken at a regionally accredited four-year institution. Science prerequisite courses taken at a 2 year community college will not be accepted
- No more than 2 prerequisites can be outstanding at the time of application
- AP course credit from high school, accepted by the undergraduate institution, satisfies the prerequisite requirements regardless of where the course was taken. However, AP course grades do not factor into the prerequisite GPA calculation

For SHU Undergraduate Students:

- Up to two 2-course science sequences can be taken away from SHU, such as Anatomy I & II (BI 206/208 & BI 207/209) and Chemistry I & II (CH151/153 and CH 152/154). No more than four courses total may be taken away from SHU.
- Courses taken during Study Abroad semesters count as being taken at SHU.
- It is strongly recommended (but not mandatory) that Physics be taken at SHU.
- **Must** take the last 30 credits at SHU.

**Timing of course completion:**
- Must complete all requirements for UG graduation prior to matriculation into the DPT Program
- Includes all course requirements for the Major and Core Curriculum
- Includes all PT pre-requisite courses
- Human Anatomy and Physiology and Statistics must be taken in the last 10 years

**Prerequisite Courses (45 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 111</td>
<td>Concepts in Biology I: Molecules to Cells</td>
<td>3</td>
</tr>
<tr>
<td>BI 112</td>
<td>Concepts in Biology II: Cells to Organisms</td>
<td>3</td>
</tr>
<tr>
<td>BI 113</td>
<td>Concepts in Biology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BI 114</td>
<td>Concepts in Biology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BI 206</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BI 207</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BI 208</td>
<td>Human Anatomy &amp; Physiology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BI 209</td>
<td>Human Anatomy &amp; Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CH 151</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CH 152</td>
<td>General Chemistry II</td>
<td>3</td>
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<td>CH 153</td>
<td>General Chemistry Laboratory I</td>
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<td>CH 154</td>
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<tr>
<td>MA 131</td>
<td>Elementary Statistics</td>
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<td>MA 140</td>
<td>Precalculus</td>
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<td>PY 111</td>
<td>General Physics I</td>
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<tr>
<td>PY 112</td>
<td>General Physics II</td>
<td>3</td>
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<td>PY 113</td>
<td>General Physics Laboratory I</td>
<td>1</td>
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<tr>
<td>PY 114</td>
<td>General Physics Laboratory II</td>
<td>1</td>
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<tr>
<td></td>
<td>Two psychology electives</td>
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<tr>
<td>MA 140:</td>
<td>or above</td>
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**Required Courses**

**Course Sequence Professional Year 1**

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<tr>
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<th>Course Title</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
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<tbody>
<tr>
<td>PT-611</td>
<td>Structure &amp; Function I</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>PT-621</td>
<td>Examination &amp; Documentation I</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>PT-631</td>
<td>Evaluation &amp; Intervention I</td>
<td>5</td>
<td>6</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>PT-642 - Foundations of Evidence Based Practice</td>
<td>2</td>
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**Total Credits Year 1 = 39**

<table>
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<tr>
<td>PT-740</td>
<td>Professional Practice I</td>
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<tr>
<td>PT-651</td>
<td>Clinical Experience I (8 weeks)</td>
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</table>

**Total Credits Year 1 = 39**

**Course Sequence Professional Year 2**

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<th>Course Title</th>
<th>Fall Credits</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PT-713</td>
<td>Structure &amp; Function III</td>
<td>6</td>
<td>5</td>
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<tr>
<td>PT-723</td>
<td>Examination &amp; Documentation III</td>
<td>4</td>
<td>4</td>
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<tr>
<td>PT-733</td>
<td>Evaluation &amp; Intervention III</td>
<td>4</td>
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<tr>
<td>PT-741</td>
<td>Professional Practice II</td>
<td>1</td>
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<tr>
<td>PT-743</td>
<td>Grand Rounds</td>
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**Total Credits Year 2 = 35**

**Course Sequence Professional Year 3**

<table>
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<tr>
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<th>Course Title</th>
<th>Late Spring/Summer Credits</th>
<th>Fall/Spring Credits</th>
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</thead>
<tbody>
<tr>
<td>PT-825</td>
<td>Contemporary Practice</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>PT-852</td>
<td>Clinical Experience II (10 weeks)</td>
<td>5</td>
<td></td>
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</tbody>
</table>
occurring in 2023. The PT program at Sacred Heart University received continuing accreditation proceedings for several strengths, including the high quality of its curriculum, the exceptional qualifications of its faculty, and the level of University support provided to the program. CAPTE accreditation is an ongoing process for all PT programs. The PT program at Sacred Heart University received continuing accreditation in 2014 with the next CAPTE accreditation review occurring in 2023.

Speech-Language Pathology

The Speech-Language Pathology (SLP) graduate program at SHU is designed to prepare students to meet the requirements for the Certificate of Clinical Competence in Speech-Language Pathology set by the Council for Clinical Certification in Audiology and Speech-Language Pathology, for Connecticut Licensure as a speech-language pathologist from the Connecticut Department of Public Health, and for Connecticut teacher endorsement.

Students who wish to practice as speech-language pathologists will need to complete all undergraduate prerequisites (or their equivalents), including 25 hours of observation of ASHA-certified speech-language pathologists’ practice. They must then complete a master’s degree in SLP. Graduate study in SLP requires two calendar years, including one to two summers, of graduate-level coursework and 400 hours of supervised clinical practice, all of which will be provided as part of SHU’s graduate program.

SHU’s graduate SLP program has two tracks:

• Two-year track for students with completed prerequisite coursework in communication disorders
• Three-year track for students without prerequisite coursework in communication disorders

Program Accreditation

SHU’s graduate program in SLP has been accredited by the State of Connecticut Department of Higher Education. Program approval from the Connecticut State Department of Education for teacher endorsement as a school-based SLP has also been awarded. The Master’s program in speech-language pathology at Sacred Heart University is a Candidate for Accreditation by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association, 2200 Research Boulevard, #310, Rockville, MD 20850, 800-498-2071 or 301-296-5700. Candidacy is a “preaccreditation” status with the CAA, awarded to developing or emerging programs for a maximum period of 5 years. This status is awarded to new programs that demonstrate compliance with the Standards for Accreditation as outlined in CAA’s Standards Compliance Continuum. It allows the program to matriculate and graduate students who, upon successful completion of the program, will be eligible for national certification and state licensure as speech-language pathologists.

What Makes Our Program Unique?

SHU’s SLP graduate program is the only one in Connecticut in which SLP students have the opportunity to study and work with physical therapy, occupational therapy, nursing, and education students, providing unique interprofessional preservice experiences. In addition, SHU’s SLP program utilizes an innovative model of clinical education, in which students work in real field settings from their first semester under the supervision of SHU.
clinical faculty. Unlike most SLP programs, which use on-campus clinics for initial clinical experiences, SHU’s model enables students to practice in teams and learn in authentic work environments throughout their educational program. Finally, SHU offers three areas of optional specialized study, which can be achieved by matriculating for one additional summer following the master’s program. Choosing one of these elective specializations will enhance students’ experience in (1) autism spectrum disorders, (2) language and literacy for English-language learners, or (3) medical settings.

**Expected Student Outcomes**

Graduates of the SLP program will:

- Demonstrate knowledge of basic biological, physical, and social sciences as well as statistics.
- Demonstrate the ability to integrate information pertaining to normal and disordered human development across the lifespan.
- Demonstrate knowledge of communication and swallowing disorders and differences, including the appropriate etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates in the following areas:
  a. fluency
  b. articulation
  c. voice and resonance
  d. receptive and expressive language in speaking, listening, reading, writing
  e. hearing
  f. swallowing
  g. cognitive aspects of communication
  h. social aspects of communication
  i. augmentative and alternative communication modalities
- Demonstrate current knowledge of the principles and methods of prevention, assessment, and intervention for people with communication and swallowing disorders.
- Demonstrate knowledge of standards of ethical conduct.
- Demonstrate knowledge of the integration of research principles into evidence-based clinical practice, contemporary professional issues, and professional credentialing.
- Demonstrate skills in oral and written communication sufficient for professional practice.
- Demonstrate skills in evaluation, intervention, and interaction with people with communication disorders and their families.
- Successfully complete a minimum of 400 clock hours of supervised clinical experience (including 25 observation hours) in the practice of speech-language pathology.

**Admissions Requirements: All Students**

To be admitted to the graduate program in SLP, all students must:

- Successfully complete all required prerequisites (or their equivalents) for the appropriate track by the end of the summer prior to enrollment in a graduate program. No more than one of the prerequisite courses may be repeated.
- Hold a bachelor of science or arts degree from an accredited college or university.
- Have an undergraduate cumulative 3.0 GPA or higher and a prerequisite GPA of 3.3 or higher, with no individual prerequisite course grade below a C.
- Submit Graduate Record Examination (GRE) scores.
- It is also strongly recommended that all students applying for the SLP graduate program complete the following courses or their equivalents prior to matriculation, in order to fulfill requirements of the State of Connecticut for endorsement as a school SLP:
  - PS 252 Child Development
  - ED 302 Education in the U.S.
  - ED 301 Introduction to Exceptionalities

Other admissions requirements for all students include:

- Applications submitted online through cscdas.liaisoncas.com/applicant-ux/#/login by two-year track applicants
  OR
- Applications submitted through graduate admissions at www.sacredheart.edu by three-year track applicants with non-refundable $60 application fee
- Two letters of recommendation from academic sources (e.g., former professor)
- Admissions essay describing interest in the field of speech-language pathology
- Official transcripts from all colleges and universities attended.
- No more than one SLP prerequisite or SLP graduate course may have been repeated by any applicant (two- or three-year tracks).

Please note: ALL prior schools’ transcripts MUST be submitted for review, regardless of whether or not transferred courses appear on the current school transcript.

Applicants will be invited for interviews at the discretion of the SLP department once applications are reviewed.

**ADMISSIONS REQUIREMENTS: TWO-YEAR TRACK**

In addition to the requirements already listed for all students, applicants to the two-year track must provide documentation of:

- Bachelor of science or arts degree with an overall GPA of at least 3.0.
- Twenty-five (25) hours of observation of speech-language pathology practice by an ASHA-certified SLP documented on SHU form (available from the Graduate Admissions Office)

Successful completion of the following courses or their equivalents
with no grade below C and a GPA of at least 3.3:

- Biological sciences (3 credits) (for example, BI 111 or BI 103)
- Physical sciences (3 credits) (for example, PY 103 or CH 030)
- Statistics (3 credits) (for example, MA 131)
- Social/behavioral sciences (6 credits) (PS 110 and PS 252 are highly recommended)

SLP 200 Introduction to Communication Disorders 3
SLP 210 Phonetics 3
SLP 300 Anatomy & Physiology of Speech & Swallowing 3
SLP 310 Introduction to Audiology & Hearing Science 3
SLP 320 Speech Science 3
SLP 330 Development of Language 3
SLP 340 Neurological Bases of Communication & Swallowing 3
SLP 350 Clinical Methods & Observation 3

ADMISSIONS REQUIREMENTS: THREE-YEAR TRACK

In addition to the requirements already listed for all students, applicants to the three-year track must provide documentation of:

- Bachelor of science or arts degree with an overall GPA of at least 3.0.

A Bachelor's Degree with an overall GPA of 3.0 or better, and successful completion of the following courses or their equivalents with a GPA of at least 3.3 and no grade below C:

- Biological Sciences 3 CR (e.g., BI 103 or BI 111)
- Physical Sciences 3 CR (e.g., PY 103 or CH 120)
- Statistics 3 CR (e.g., MA 131)
- Social/Behavioral Sciences 6 CR (e.g., PS 110, PS 252-Child Development Psychology or equivalent)

No more than 6 credits of SLP courses required for the two-year track may be taken prior to applying for the three-year track.

Students in the three-year track must complete the first year of preclinical coursework with a GPA of at least 3.3 in order to advance to the next level of the graduate program.

Clinical Education

Graduate students will enroll for at least 6 credits of clinical education each term of the clinical program. Students will be assigned to a clinical practicum setting or settings each term, and will spend between 12 and 40 hours per week at each setting, depending upon the placement of the practicum in the program. Each practicum assignment will be accompanied by a clinical seminar, in which students will practice clinical skills, discuss cases, and engage in clinical learning activities. During the first year of the clinical program, students will be placed in field settings in teams, accompanied by a supervisor from SHU. During the first two semesters, students with some previous clinical experience (for example, those who completed practica experiences as an undergraduate) may be assigned a one-on-one experience with a clinician at a field site, at the discretion of the Director of Clinical Education. Field placements later in the program will involve assignment of each student to a clinician at the field site. The typical sequence of clinical practica is given below; however, individual placements will be made on the basis of availability, clinical hours, and student interest.

State Authorization Reciprocity Agreements

Sacred Heart University has been approved by Connecticut to participate in the National Council for State Authorization Reciprocity Agreements. NC-SARA is a voluntary, regional approach to state oversight of post-secondary education. For information regarding professional licensure by state, visit Disclosures and Student Complaints.

Clinical Practicum Sequence

Fall Semester I
- Two to three half-days per week at educational or rehabilitation settings
- Speech, language, and hearing screenings and evaluations

Spring Semester I
- Two to three half-days per week at educational or rehabilitation setting
- Speech, language, and hearing screenings and evaluation

Late Spring, Summer Semester A & B
- Intensive clinical workshops: one four-week intensive, interprofessional programs for clients with aphasia, Parkinson's Disease, traumatic brain injury, dysfluency, etc.
- Extended school-year placements: five- to six-week daily placements
- Eight- to twelve-week adult or child externship in medical or private practice settings

Fall/Spring Semester II
- Student teaching OR field placement in medical setting or specialty pediatric/educational setting

Optional Summer II
- Placement in autism, English-language learner/literacy, or medical SLP setting, complemented by advanced coursework in specialty area, leading to an optional advanced study certificate.

DEGREE REQUIREMENTS

All students will need to have successfully completed the following undergraduate foundation coursework prior to matriculation in a graduate program in SLP:
Both the two- and three-year tracks of the SLP program are offered only on a full-time basis to allow for professional socialization, clinical placements, and the integration of clinical and academic work. Both programs lead to national certification and state licensure as a speech-language pathologist. All students must complete all academic and clinical coursework required for their track with no grade below B- and an overall GPA of at least 3.0. They must also successfully complete 400 hours of supervised clinical practicum with no grade lower than B-. Students must successfully complete the supervised clinical practicum hours, as well as required coursework, in order to earn the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language Hearing Association. Students will be placed in fieldwork sites to earn these hours by SHU's the Director of Clinical Education.

**Preclinical Coursework**

To be completed at the undergraduate level for students on the two-year track, and at the graduate level during the first preclinical year for students on the three-year track.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 200</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 400</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 210</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SLP 410</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SLP 300</td>
<td>Anatomy &amp; Physiology of Speech &amp; Swallowing</td>
<td>3</td>
</tr>
<tr>
<td>SLP 411</td>
<td>Anatomy &amp; Physiology of Speech &amp; Swallowing</td>
<td>3</td>
</tr>
<tr>
<td>SLP 310</td>
<td>Introduction to Audiology &amp; Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>SLP 412</td>
<td>Introduction to Audiology &amp; Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>SLP 320</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SLP 420</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SLP 330</td>
<td>Development of Language</td>
<td>3</td>
</tr>
<tr>
<td>SLP 430</td>
<td>The Development of Language</td>
<td>3</td>
</tr>
<tr>
<td>SLP 340</td>
<td>Neurological Bases of Communication &amp; Swallowing</td>
<td>3</td>
</tr>
<tr>
<td>SLP 440</td>
<td>Neurological Bases of Communication &amp; Swallowing</td>
<td>3</td>
</tr>
</tbody>
</table>

It is also strongly recommended that all students applying for the SLP program complete requirements for endorsement as a school SLP, including:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 252</td>
<td>Child Development Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ED 552</td>
<td>Education in the U.S.</td>
<td>3.00</td>
</tr>
<tr>
<td>ED 569</td>
<td>Introduction to Exceptionalities</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**REQUIRED GRADUATE COURSEWORK**

Coursework will be taken in five semesters by students on the two-year track, and in five semesters following successful completion of two semesters of preclinical coursework by students on the three-year track.

To graduate from the SLP master's program, each student is required to complete all coursework and clinical practica listed as "required" below as well as one course listed as "elective." The following is the typical sequence of graduate coursework for the two clinical years of the graduate program in SLP:

**Fall Semester I (16 credits)**

Students will be assigned, upon entry into the SLP Program, to either Cohort I or Cohort II.

**Cohort I**

Students in Cohort I will take the following courses during Fall Semester I:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 500</td>
<td>Speech Sound Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 501</td>
<td>Practicum Seminar I: Managing</td>
<td>1</td>
</tr>
<tr>
<td>SLP 502</td>
<td>Clinical Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>SLP 502T</td>
<td>Language Disorders in Children Birth-Five</td>
<td>3</td>
</tr>
<tr>
<td>SLP 514</td>
<td>Assessment, Diagnosis &amp; Eligibility</td>
<td>1</td>
</tr>
<tr>
<td>SLP 530</td>
<td>Language and Literacy Disorders in School-aged Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>SLP 530T</td>
<td>Language and Literacy Disorders in School-aged Children and Adolescents Tutorial</td>
<td>3</td>
</tr>
<tr>
<td>SLP 540</td>
<td>Adult Neurogenic Disorders I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Cohort II**

Students assigned to Cohort II will take the following courses in Fall Semester I:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 500, SLP 501, SLP 502, SLP 510, SLP 514, SLP 530, SLP 530T, SLP 540</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>SLP 501</td>
<td>Practicum Seminar I: Managing Behavior &amp; Service Delivery</td>
<td>1</td>
</tr>
<tr>
<td>SLP 502</td>
<td>Clinical Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>SLP 514</td>
<td>Assessment, Diagnosis &amp; Eligibility</td>
<td>1</td>
</tr>
<tr>
<td>SLP 550</td>
<td>Dysphagia</td>
<td>3</td>
</tr>
<tr>
<td>SLP 550T</td>
<td>Dysphagia Tutorial</td>
<td></td>
</tr>
<tr>
<td>SLP 560</td>
<td>Adult Neurogenic Disorders II</td>
<td>3</td>
</tr>
<tr>
<td>SLP 580</td>
<td>Disorders of Fluency</td>
<td>3</td>
</tr>
<tr>
<td>SLP 585</td>
<td>Voice &amp; Velopharyngeal Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 501, SLP 502, SLP 514, SLP 550, SLP 550T, SLP 560, SLP 580, SLP 585</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Spring Semester I (18 credits)*

**Cohort I**

Students assigned to Cohort I will take the following courses Spring Semester I:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 503</td>
<td>Practicum Seminar II: Using Evidence-based Reflective Practice</td>
<td>1</td>
</tr>
<tr>
<td>SLP 504</td>
<td>Clinical Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>SLP 515</td>
<td>Screening and Diagnostics II</td>
<td>1</td>
</tr>
<tr>
<td>SLP 550</td>
<td>Dysphagia</td>
<td>3</td>
</tr>
<tr>
<td>SLP 550T</td>
<td>Dysphagia Tutorial</td>
<td></td>
</tr>
<tr>
<td>SLP 560</td>
<td>Adult Neurogenic Disorders II</td>
<td>3</td>
</tr>
<tr>
<td>SLP 580</td>
<td>Disorders of Fluency</td>
<td>3</td>
</tr>
<tr>
<td>SLP 585</td>
<td>Voice &amp; Velopharyngeal Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 503, SLP 504, SLP 515, SLP 550, SLP 550T, SLP 560, SLP 580, SLP 585</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cohort II**

Students assigned to Cohort II will take the following courses Spring Semester I:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 500</td>
<td>Speech Sound Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 503</td>
<td>Practicum Seminar II: Using Evidence-based Reflective Practice</td>
<td>1</td>
</tr>
<tr>
<td>SLP 504</td>
<td>Clinical Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>SLP 510</td>
<td>Language Disorders in Children Birth-Five</td>
<td>3</td>
</tr>
<tr>
<td>SLP 515</td>
<td>Screening and Diagnostics II</td>
<td>1</td>
</tr>
<tr>
<td>SLP 530</td>
<td>Language and Literacy Disorders in School-aged Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>SLP 530T</td>
<td>Language and Literacy Disorders in School-aged Children and Adolescents Tutorial</td>
<td></td>
</tr>
<tr>
<td>SLP 540</td>
<td>Adult Neurogenic Disorders I</td>
<td>3</td>
</tr>
<tr>
<td>SLP 500, SLP 503, SLP 504, SLP 510, SLP 515, SLP 530, SLP 530T, SLP 540</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Late Spring/Summer 1 (11 credits)*

Each student is required to complete ONE of the three Intensive Clinical Workshops offered during the Late Spring/Summer terms.

**Late Spring I**

Students will be assigned to one Intensive Clinical Workshop (SLP 511, SLP 512 OR SLP 513) during the Late Spring OR Summer term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 511</td>
<td>Intensive Clinical Workshop in Adult Neurogenic Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SLP 512</td>
<td>Intensive Clinical Workshop in Speech &amp; Voice Disorders</td>
<td>3</td>
</tr>
</tbody>
</table>

**Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 505</td>
<td>Practicum Seminar III: Recordkeeping &amp; Documentation</td>
<td>1</td>
</tr>
<tr>
<td>SLP 506</td>
<td>Clinical Practicum III</td>
<td>4</td>
</tr>
<tr>
<td>SLP 520</td>
<td>Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>SLP 505, SLP 506, SLP 520, Required for SLP program</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cohort I**

Students assigned to Cohort I will take the following courses in Fall Semester II:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 507</td>
<td>Practicum Seminar IV: Advanced Clinical Topics</td>
<td>1</td>
</tr>
<tr>
<td>SLP 508</td>
<td>Clinical Practicum IV</td>
<td>6</td>
</tr>
<tr>
<td>SLP 570</td>
<td>Introduction to Research &amp; Evidence-Based Practice</td>
<td>3</td>
</tr>
<tr>
<td>SLP 600</td>
<td>Autism, AAC, &amp; Severe Disabilities of Communication</td>
<td>3</td>
</tr>
<tr>
<td>SLP 507, SLP 508, SLP 570, SLP 600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cohort II**

Students assigned to Cohort II will take the following courses in Fall Semester II:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 507</td>
<td>Practicum Seminar IV: Advanced Clinical Topics</td>
<td>1</td>
</tr>
<tr>
<td>SLP 508</td>
<td>Clinical Practicum IV</td>
<td>6</td>
</tr>
<tr>
<td>SLP 570</td>
<td>Introduction to Research &amp; Evidence-Based Practice</td>
<td>3</td>
</tr>
<tr>
<td>SLP 600</td>
<td>Autism, AAC, &amp; Severe Disabilities of Communication</td>
<td>3</td>
</tr>
<tr>
<td>SLP 507, SLP 508, SLP 570, SLP 600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Students assigned to Cohort II will take the following courses Fall Semester II:

SLP 570 Introduction to Research & Evidence-Based Practice 3
SLP 600 Autism, AAC, & Severe Disabilities of Communication 3
SLP 601 Practicum Seminar V: Team-Based Practice in School Settings 1
SLP 602 Student Teaching 6-9

SLP 570, SLP 600, SLP 601, SLP 602

Spring Semester II (10-16 credits)

SLP 690: Required for SLP program Spring Semester II

SLP 507, SLP 508, SLP 601, SLP 602 are also required and will be completed during the Fall or Spring of the second year, depending on the Cohort assignment.

Every graduate student is required to complete ONE of the electives offered during the fall or spring semesters of the final year of graduate study:

SLP 525, SLP 610, or SLP 680.

Cohort I

Students assigned to Cohort I will complete the following courses during Spring Semester II:

SLP 601 Practicum Seminar V: Team-Based Practice in School Settings 1
SLP 602 Student Teaching 6-9
SLP 690 Speech-Language Pathology Capstone 3

SLP 601, SLP 602, SLP 690

Cohort II

Students assigned to Cohort II will complete the following courses in Spring Semester II:

SLP 507 Practicum Seminar IV: Advanced Clinical Topics 1
SLP 508 Clinical Practicum IV 6
SLP 690 Speech-Language Pathology Capstone 3

SLP 507, SLP 508, SLP 690

ELECTIVE Summer Semester II (3-6 credits)-Specialty Certificate Option

Elective second summer coursework may be taken to complete a Specialty Certificate option. This term is not required for the Master’s degree. Specialty certificates are not recognized by state or national agencies. Students may elect to pursue them in order to enhance their ability to practice in a preferred area. Students may elect to complete a Specialty Certificate during a second Summer Semester in one of the following areas:

Autism Spectrum Disorders Specialty Certificate Option

This specialty certificate is offered in collaboration with the Farrington College of Education. The specialization will focus on learning strategies for collaborating with special education and other professionals in the education of students on the autism spectrum. The education of students with autism spectrum disorder is a high priority within school and rehabilitation settings and practitioners with advanced levels of knowledge and experience are in short supply. It should be noted that this certificate will not qualify candidates for state educator certification as they are not completing approved planned programs, nor can these candidates use these courses for purposes of cross-endorsing from SLP to another endorsement (e.g., TESOL [#111], remedial reading [#102] or the comprehensive special education endorsement [#165]). Students pursuing this elective specialization will follow the curriculum sequence below, in addition to the standard Master’s Degree curriculum:

Fall: SLP 525: Topics in Cultural and Linguistic Diversity

Spring: SLP 680: Education of Students with Autism Spectrum Disorders

Summer: SLP 611: Advanced Topics in Speech-Language Pathology

Summer: SLP 509: Specialty practicum VI

Dual Language Learners-Literacy Specialty Certificate Option

This specialty certificate is offered in collaboration with the Farrington College of Education. The specialization will focus on teaching methods for students from cultural and linguistically different backgrounds, and ensuring their success in literacy acquisition. The education of Dual Language Learners is a high priority within school settings and practitioners with advanced levels of knowledge and experience in working with English Language Learners are in short supply. It should be noted that this certificate will not qualify candidates for state educator certification as they are not completing approved planned programs, nor can these candidates use these courses for purposes of cross-endorsing from SLP to another endorsement (e.g., TESOL [#111], remedial reading [#102] or the comprehensive special education endorsement [#165]). Students pursuing this specialization will follow the curriculum sequence below, in addition to the standard Master’s Degree curriculum:

Fall: SLP 525: Topics in Cultural and Linguistic Diversity

Spring: EDR 505 OR 507: Success in Reading (Primary or Intermediate grades)
Summer: EDR 525 Teaching Students from Multicultural Backgrounds

SLP 509: Specialty Practicum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDR 505</td>
<td>Early Reading &amp; Language Arts Success(PK-3)</td>
<td>3.00</td>
</tr>
<tr>
<td>EDR 525</td>
<td>Methods: Teaching Second Language Learners</td>
<td>3.00</td>
</tr>
<tr>
<td>SLP 509</td>
<td>Specialty Practicum VI</td>
<td>1-3</td>
</tr>
<tr>
<td>SLP 525</td>
<td>Topics in Cultural &amp; Linguistic Diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

EDR 505, EDR 525, SLP 509, SLP 525

Medical Speech-Language Pathology Specialty Certificate Option

This specialty is designed to provide students with knowledge and skills for addressing the needs of clients with communication disorders in acute care and medical rehabilitation settings. Students pursuing this specialization will follow the curriculum sequence below, in addition to the standard Master's Degree curriculum:

Fall: SLP 525: Topics in Cultural and Linguistic Diversity

Spring: SLP 610: Adult Medical Speech-Language Pathology

Summer: SLP 699: Pediatric Medical Speech-Language Pathology

SLP 509: Specialty Practicum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 500</td>
<td>Specialty Practicum VI</td>
<td>1-3</td>
</tr>
<tr>
<td>SLP 525</td>
<td>Topics in Cultural &amp; Linguistic Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SLP 610</td>
<td>Medical Speech-Language Pathology</td>
<td>3</td>
</tr>
<tr>
<td>SLP 699</td>
<td>Advanced Topics in Communication Disorders</td>
<td>3</td>
</tr>
</tbody>
</table>

SLP 509, SLP 525, SLP 610, SLP 699
College of Nursing

Mary Alice Donius, EdD, RN
Dean
Phone: 203-365-7578 Fax: 203-365-7662
E-mail: doniusm@sacredheart.edu

Focusing on the Catholic Intellectual Traditions of Sacred Heart University and a caring-healing philosophy of nursing, the College of Nursing offers comprehensive graduate programs embracing spirituality, ethics, diversity, and community. Immersed in the liberal arts tradition, the College of Nursing is committed to providing a well-rounded education built upon the deep respect for the dignity of the patient and clients. All our programs within the College of Nursing are accredited by the American Association of the Colleges of Nursing's national accreditation agency, the Commission on Collegiate Nursing Education, as well as the State of Connecticut's Board of Nurse Examiners. Our quality nursing faculty have a history of successful change and innovation.

The College of Nursing offers graduate students the opportunity to earn their Master's degree in an online setting focusing on four different tracks: Clinical Nurse Leader, Nurse Management & Executive Leadership, Nurse Educator or Family Nurse Practitioner. In addition, we offer the RN a specialized program: RN-MSN, allowing the student to progress through our College earning a baccalaureate degree and master's degree in an accelerated program.

The Doctor of Nursing Practice for Family Nurse Practitioner preparation is presented in a hybrid format including online classes and onsite intensives. The post master's Doctor of Nursing Practice program is offered in two different formats: hybrid and 100% online. These programs are designed to advance nursing careers to best meet the healthcare needs of our communities.

The College of Nursing proudly focuses on service learning and campus-community partnerships, as well as interprofessional education with other colleges within the University. The College's collaboration with professional partners in the community ensures that students benefit from an integration of academic and clinical experiences. Hands-on clinical practice at local, regional and national health care institutions as well as in state-of-the-art simulation lab rooms provide exceptional learning opportunities for all students.

Advanced Graduate Certificate in Nursing Education

As the health care workforce continues to grow, the demand for qualified educators to teach and develop the next generation of nurses will increase. The Sacred Heart University (SHU) College of Nursing Advanced Graduate Certificate in Nursing Education will compliment your clinical expertise with the latest theories and strategies in teaching and learning. Following this certification, you can explore career opportunities as a clinical instructor in nursing schools or as a staff development educator in a hospital or other health care organizations. Our program curriculum covers the basic understanding of the issues surrounding nursing education to the latest advances in curriculum design and evaluation.

Course Requirements

- All course work can be completed online which provides greater flexibility and less disruption to your personal and employment obligations.
- Courses are 8 weeks in length and are offered on an ongoing basis.
- 180 practicum hours with preceptor in conjunction with NU 619, NU 690, and NU 691 are required.

Admission Requirements

- Master's degree in Nursing or related field with a GPA of 3.0 or greater
- All official transcripts
- Unencumbered RN license in state of residence
- Criminal background check
- One nursing professional reference
- Application processing fee
- Application form

CERTIFICATE REQUIREMENTS

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NU 619</td>
<td>Principles of Patient &amp; Staff Education</td>
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<tr>
<td>NU 690</td>
<td>Nursing Education Role Practicum</td>
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</tr>
<tr>
<td>NU 691</td>
<td>Capstone: Nurse Educator</td>
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</table>

Advanced Graduate Certificate in Nursing Management and Executive Leadership

The advanced certificate in Nursing Management and Executive Leadership is designed for those students who wish to move into administrative positions in health care organizations. The role of leadership in organizing and delivering high-quality health care is more important today than ever before. Sacred Heart University's Advanced Graduate Certificate Program will compliment your clinical expertise with the latest leadership theories and strategies essential to the development of your role as a nurse leader.

Course Requirements

- All course work can be completed online which provides greater flexibility and less disruption to your personal and employment obligations.
Courses are 8 weeks in length and are offered on an ongoing basis.

No practicum or clinical hours are required. Students are encouraged to select a mentor to enhance discussions.

Admissions Requirements

- Master's degree in Nursing or related field with a GPA of 3.0 or greater
- All official transcripts
- Unencumbered RN license in state of residence
- Criminal background check
- One nursing professional reference
- Application processing fee
- Application form

CERTIFICATE REQUIREMENTS

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>NU 511</td>
<td>Role Development for Nursing Management &amp; Executive Leadership</td>
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<tr>
<td>NU 576</td>
<td>Management of Financial Resources</td>
<td>3</td>
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<td>NU 617</td>
<td>Healthcare Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>NU 665</td>
<td>Quality &amp; Safety in Practice</td>
<td>3</td>
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</tbody>
</table>

Certificate Requirements

- Role Development for Nursing Management & Executive Leadership
- Management of Financial Resources
- Healthcare Delivery Systems
- Quality & Safety in Practice

POST-MASTER'S DOCTOR OF NURSING PRACTICE PROGRAM

The Post-Master's Doctor of Nursing Practice (DNP) program infuses practice-focused doctoral education with innovation and practical clinical research and scholarship designed to serve academically talented nurse practitioners, clinical nurse specialists, midwives, nurse anesthetists, nurse executives, clinical nurse leaders. Graduates of this program are prepared to teach, lead, and engage in practical, clinically focused scholarship and research. The Doctor of Nursing Practice degree is a practice doctorate requiring the completion of a DNP project focusing on translation of evidence to clinical nursing practice. This cohort program is 39 credits and is designed to be completed in a 3-year, part-time sequence. The baccalaureate degree program in nursing, the master's degree program in nursing, and the Doctor of Nursing Practice program at Sacred Heart University are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791, (http://www.ccneaccreditation.org).

The Doctor of Nursing Practice (DNP) program is designed for the nurse leader who seeks a career in nursing management, with a strong connection to clinical practice, as well as for the advanced practice nurse who wants to remain in clinical practice and have influence on healthcare outcomes at multiple levels. Students may take an elective in executive leadership (leadership) or introduction to palliative care (clinical).

Course Delivery Method

Two options exist for the student to choose from. The unique hybrid/intensive program offers classes that are held during two Friday, Saturday, and Sunday on-campus intensives per semester and supplemented with online activities. The other option is 100% online with a required on-campus orientation and one required residency over the duration of the program.

Doctor of Nursing Practice Essentials

The Essentials of Doctoral Education for Advanced Nursing Practice is the framework for the DNP program curricula.

- I. Scientific Underpinnings for Practice
- II. Organizational and Systems Leadership for Quality Improvement and Systems Thinking
- III. Clinical Scholarship and Analytical Methods for Evidence-Based Practice
- IV. Information Systems/Technology and Patient Care Technology for the Improvement and Transformation of Healthcare
- V. Healthcare Policy for Advocacy in Healthcare
- VI. Interprofessional Collaboration for Improving Patient and Population Health Outcomes
- VII. Clinical Prevention and Population Health for Improving the Nation's Health
- VIII. Advanced Nursing Practice

Admission Requirements

Admission to the Post-Master's DNP program is competitive. Students are admitted to the Post-Master's DNP program upon review and recommendation by the admissions committee based on academic, course prerequisite, and professional requirements listed below.

The criteria for admission include:

- Master of Science in Nursing or its equivalent from a college accredited by the appropriate accrediting association, with a minimum GPA of 3.2
- Current U.S. licensure as a Registered Nurse in state of residence
- Current advanced practice nursing licensure and certification documents
- Statement of professional goals
- Articulation of a focal area of clinical nursing practice interest that can be supported by the Sacred Heart University doctoral nursing faculty
- Letters of recommendation (one clinical and one academic)
- Professional portfolio with graded writing sample
- Interview with the program director
- Undergraduate or graduate statistics course within six years of admission strongly recommended

Degree Requirements
DNP students are required to design an approved plan of study in collaboration with a faculty advisor that must be satisfactorily completed, with a minimum GPA of 3.0, to earn the degree. The plan of study varies depending on the track the student pursues.

**Prerequisite Courses**

Students that have a master's degree in a field other than nursing may be required to take an additional 6 credits of master's level nursing courses in order to achieve program competencies.

**Requirements List**

**Required Doctor of Nursing Practice Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
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<tbody>
<tr>
<td>NU 700</td>
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<td>of Nursing Science</td>
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<td>NU 710</td>
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<td>Healthcare Policy,</td>
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<td>NU 720</td>
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<td>Leading Quality</td>
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<td>Initiatives &amp;</td>
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<td>Information Systems</td>
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<td>DNP Project: Proposal</td>
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<td>Clinical Scholarship</td>
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<td>and Analytical Methods</td>
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<td>Practice I</td>
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<tr>
<td>Advanced Practice II</td>
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</table>

**Total Credit Hours:** 36

**Elective Courses**

In addition to the core requirements and DNP scholarly project, students in the DNP program are required to complete 3 credits of an elective course in either Executive Leadership or Palliative Care.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
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<tr>
<td>NU 781</td>
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<tr>
<td>Introduction to Palliative Care</td>
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</table>

**Subtotal: 6.00**

**Optional Supplemental Courses**

There are also 6 credits of optional supplemental courses in nursing education offered which are not part of the degree required course credits. The education courses are offered at the discretion of the College of Nursing.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
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<tr>
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<td>Principles &amp; Curriculum</td>
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<td>Design in Advanced</td>
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<tr>
<td>Nursing Education</td>
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<tr>
<td>NU 742</td>
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<tr>
<td>Leadership in Advanced</td>
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<tr>
<td>Nursing Education</td>
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</tbody>
</table>

**Total Credit Hours:** 39

**Doctor of Nursing Practice Project**

The DNP graduate will fulfill the current need in our healthcare system by applying and translating best evidence into practice. The DNP project is the chosen modality for students to develop and/or refine the skillset needed to fulfill this important role.

The DNP project focuses on an endeavor consistent with the student's identified clinical interests. This scholarly project must be a significant, evidence-based contribution to existing nursing knowledge and be suitable for publication in a peer-reviewed journal or a book. The DNP faculty Lead for the student's committee will act as facilitator of the student's scholarship. Each student will identify a clinical practice mentor who will assist the student with the requirements of the practice project. A minimum of 360 practice hours will be used to collect and evaluate data on a specific population in a practice setting.

All DNP students are required to complete a DNP project that demonstrates practice scholarship prior to graduating from the program.

**Home Health Care Management for RNs Online**

The certificate program in Home Health Care Management is designed for nurses in management positions in Home Health Agencies to meet the State of Connecticut, Department of Public Health (DPH) requirements. DPH requires nurses in managerial positions in home care who do not have a BSN to complete at least six credits in health care management or community health from an accredited college, university or school of nursing. The online format permits students to learn at a time and place amenable to their needs.
Required Courses

NU 355  Leadership in Contemporary Nursing Practice  3 credits  (fall)
NU 382  Management of Home Health Care Agencies  3 credits  (spring)

Admission Requirements

- Students must apply for the certificate program and enroll as a special student at Sacred Heart University.
- There will be a fee for processing the application
- Students must take the courses for credit, which may later be applied to the RN-BSN degree.

Post Baccalaureate to Doctor of Nursing Practice Program/ Family Nurse Practitioner Program

The Post Baccalaureate to Doctor of Nursing Practice program with a Family Nurse Practitioner (FNP) concentration is for the BSN graduate seeking a clinical doctorate, while concentrating in the advanced specialty area of FNP. The degree program is designed to prepare qualified advanced practice nurses ready to work in primary care. This program is best suited for nurses with clinical experience, however, new graduates will be considered. This cohort program is 77 credits and is designed to be completed in a full-time 36 month sequence. A part-time option is also available. Graduates of the FNP/DNP program will be prepared to provide primary care for individuals as well as be leaders in community and population health endeavors. FNPs provide a wide range of healthcare services to individuals and families in a variety of clinical settings. They focus on health promotion and disease prevention beginning in infancy and continuing through the aging process and are educated to diagnose and treat acute and chronic diseases. The FNP/DNP program offers an excellent educational foundation in advanced practice nursing and substantial clinical experience. Graduates of the program are prepared to make independent and collaborative decisions, sound clinical judgments and be leaders in their profession. Graduates are eligible to take a national examination for certification as a family nurse practitioner and to apply for APRN licensure in Connecticut or other states based on regulatory guidelines. The baccalaureate degree program in nursing, the master’s degree program in nursing, and the Doctor of Nursing Practice program at Sacred Heart University are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791, (http://www.ccneaccreditation.org).

Course Delivery Method

This unique blended program offers students a combination of online and on-campus classes.

Doctor of Nursing Practice Essentials

The Essentials of Doctoral Education for Advanced Nursing Practice is the framework for the DNP program curricula.
- I. Scientific Underpinnings for Practice
- II. Organizational and Systems Leadership for Quality Improvement and Systems Thinking
- III. Clinical Scholarship and Analytical Methods for Evidence-Based Practice
- IV. Information Systems/Technology and Patient Care Technology for the Improvement and Transformation of Healthcare
- V. Healthcare Policy for Advocacy in Healthcare
- VI. Interprofessional Collaboration for Improving Patient and Population Health Outcomes
- VII. Clinical Prevention and Population Health for Improving the Nation’s Health
- VIII. Advanced Nursing Practice

Admission Requirements

This competitive program is designed for the academically talented student who has experience in nursing. The criteria for admission include:
- Completed online application and nonrefundable fee
- Bachelor’s degree with a cumulative GPA of a 3.2 or better
- Copy of unencumbered RN License
- One year of nursing experience preferred
- Completion of an undergraduate health assessment course (30 hours or greater or prior learning portfolio)
- Official copies of all college transcripts
- Two strong letters of recommendation
- Statement of professional goals
- Résumé
- Interview with a graduate nursing faculty by invitation only

DEGREE REQUIREMENTS

BSN to DNP students in the FNP track are required to design an approved plan of study in collaboration with a faculty advisor that must be satisfactorily completed with a minimum GPA of 3.0 to earn the degree. The plan of study requires the student to complete 77 credits.
Requirements List

Required Courses for BSN to DNP / Family Nurse Practitioner Program

All BSN to DNP students in the FNP track are required to take the following:

NU 550 Family and Community Context for Health Care (3 credits)
NU 556 Advanced Pharmacology I for the FNP/DNP (2 credits)
NU 557 Advanced Pharmacology II for the FNP/DNP (2 credits)
NU 552 Advanced Health Assessment (3 credits)
NU 566 Advanced Pathophysiology for Nurse Practitioners (3 credits)
NU 562 Primary Care I for the FNP/DNP (5 credits)
NU 604 Health Care Research and Statistical Foundations for the Advanced Practice Nurse (3 credits)
NU 622 Primary Care II for the FNP/DNP (6 credits)
NU 632 Primary Care III for the FNP/DNP (7 credits)
NU 700 Theoretical Components of Nursing Science (3 credits)
NU 710 Health Care Policy, Advocacy & Ethics (3 credits)
NU 720 Leading Quality Initiatives and Information Systems (3 credits)
NU 721 DNP Project: Topic Development (1 credit)
NU 722 DNP Project: Methodology Development (1 credit)
NU 723 DNP Project: Proposal Review (1 credit)
NU 724 DNP Project: Responsible Conduct of Research (1 credit)
NU 725 DNP Project: Implementation & Data Analysis (1 credit)
NU 726 DNP Project: Presentation, Dissemination, and Evaluation (1 credit)
NU 730 Clinical Scholarship and Analytical Methods for Evidence-Based Practice I (3 credits)
NU 740 Epidemiology and Population Health (3 credits)
NU 750 Clinical Scholarship and Analytical Methods for Evidence-Based Practice II (3 credits)
NU 760 Strategic Leadership and Collaboration in Health Care (3 credits)
NU 770 Advanced Care of Special Populations (3 credits)
NU 781 Introduction to Palliative Care (3 credits)
NU 810 DNP Scholarship and Advanced Practice I (3 credits)
NU 820 DNP Scholarship and Advanced Practice II (3 credits)

Total = 77 credits
Subtotal: 77

Doctor of Nursing Practice Project

The DNP graduate will fulfill the current need in our healthcare system by applying and translating best evidence into practice. The DNP project is the chosen modality for students to develop and/or refine the skillset needed to fulfill this important role.

The DNP project focuses on an endeavor consistent with the student’s identified clinical interests. This scholarly project must be a significant, evidence-based contribution to existing nursing knowledge and be suitable for publication in a peer-reviewed journal or a book. The DNP faculty Lead for the student’s committee will act as facilitator of the student’s scholarship. Each student will identify a clinical practice mentor who will assist the student with the requirements of the practice project. A minimum of 360 practice hours will be used to collect and evaluate data on a specific population in a practice setting.

All DNP students are required to complete a DNP project that demonstrates practice scholarship prior to graduating from the program.

Master of Science in Nursing

The University offers a Master of Science in Nursing (MSN) in four tracks: Nursing Management and Executive Leadership, Family Nurse Practitioner, Clinical Nurse Leader, and Nursing Education. Students may choose to study on a full- or part-time basis; however, they must complete their plan of study within six years. The baccalaureate degree program in nursing, the master’s degree program in nursing, and the Doctor of Nursing Practice program at Sacred Heart University are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791, (http://www.ccneaccreditation.org). “

Tracks

Nursing Management and Executive Leadership
The Nursing Management and Executive Leadership (NMEL) track prepares nurses who hold baccalaureate degrees for positions of administrative responsibility in healthcare organizations. Graduates of this program are prepared to be professional leaders and creatively advance the practice of nursing and facilitate the delivery of cost-effective care through the application and testing of administrative knowledge and skills. Emphasis is placed on the integration of finance, business management, information management, and program evaluation. There is also an accelerated RN to MSN program for registered nurses without a baccalaureate degree.

**Family Nurse Practitioner**

The Family Nurse Practitioner (FNP) track is designed to prepare students to successfully pass the American Nurses Credentialing Center (ANCC) or the American Academy of Nurse Practitioner's National Certification Examination as a Family Nurse Practitioner. In addition, a 30-hour advanced pharmacology course allows students to apply for an Advanced Practice Registered Nurse license in the state of Connecticut. Graduates of the program possess the necessary educational and experiential background to provide primary care across the lifespan, and to deliver care in numerous healthcare settings.

Sacred Heart University College of Nursing is required to meet state higher education requirements and state board of nursing regulations for all online MSN/FNP students. Students are responsible to verify the status of state authorization and Board of Nursing or equivalent approval in their state of residence.

Due to requirements of the New York Office of the Professions, Sacred Heart University College of Nursing is restricted from offering clinical placements for APRN licensure programs in the state of New York. Students from the state of New York or any other state, including Connecticut, may enroll in the Online MSN/FNP Program but MAY NOT complete any clinical practica in the state of New York. If students from the state of New York enroll in the Online MSN/FNP Program, it is with the understanding that all clinical hours MUST be accrued in a practice site in a state other than New York.

**Clinical Nurse Leader**

The Clinical Nurse Leader (CNL) track prepares nurses who hold baccalaureate degrees for the newly designed and evolving role of Clinical Nurse Leader. Graduates of this program are prepared to be professional leaders with advanced skills in patient assessment and management along with leadership and health systems skills to promote safe, high-quality, and cost-effective care in any healthcare system. Students will be prepared to pass the American Association of Colleges of Nursing's CNL Certification Examination. The major roles of the CNL are clinical-care coordinators, outcome managers, patient advocates, educators, information managers, and care team leaders. The Clinical Nurse Leader track may be done in an accelerated RN-to-MSN program as well.

**Nursing Education**

The Nursing Education track prepares nurses to assume leadership roles as vibrant faculty members in baccalaureate and associate degree programs, in staff-development roles, and in continuing- and community-education programs. The role practicum will develop the student's knowledge and skills to apply to a teaching role in a focal area of expertise.

**Program Formats**

Many of the graduate programs are offered online. Nursing Management and Executive Leadership, Clinical Nurse Leader, Family Nurse Practitioner and Nursing Education tracks can be taken exclusively online, with the exception of the clinical experience or role practicum. The Family Nurse Practitioner exclusive online track does require a campus orientation and two required onsite competency residencies during the program. For the Family Nurse Practitioner hybrid program, students must come to campus for four courses. Campus-based courses may also include online components to foster access to study materials and flexibility for students.

**Master of Science in Nursing Essentials**

*The essentials of Master's Education in Nursing is the framework for the MSN program curricula.*

I. Background for Practice from Sciences and Humanities

II. Organizational and Systems Leadership

III. Quality Improvement and Safety

IV. Translating and Integrating Scholarship Into Practice

V. Informatics and Healthcare Technologies

VI. Health Policy and Advocacy

VII. Interprofessional Collaboration for Improving Patient and Population Health Outcomes

VIII. Clinical Prevention and Population Health for Improving Health

IX. Master's-Level Nursing Practice

**Admission Requirements**

Students are admitted to the MSN program upon review and recommendation by the admissions committee based on the academic, course prerequisite, and professional requirements listed below.

Admission criteria include:

- Bachelor of Science in Nursing from an accredited college or BA/BS in related field, with a minimum GPA of 3.2 for the FNP Track. A minimum GPA of 3.0 is required for the CNL, NMEL and NE Tracks.
- Current unencumbered Connecticut RN license (or for online students, RN licensure in the state of professional practice) and residency.
- Proof of professional liability insurance
- Completed criminal background check
- Completed application, statement of professional goals, résumé, two letters of recommendation (one from a supervisor from a current or recent position in healthcare and one from a
professional nursing peer), and official copies of transcripts of all prior nursing and academic work

• Interview with graduate nursing faculty
• Undergraduate statistics course required
• Undergraduate research course recommended
• Undergraduate health assessment course (30 hours or greater required)

**DEGREE REQUIREMENTS**

MSN students are required to design an approved plan of study in collaboration with a faculty advisor that must be satisfactorily completed with a minimum GPA of 3.0 to earn the degree. The plan of study varies depending on the track the student pursues. The Nursing Management and Executive Leadership track requires 36 credits. The Family Nurse Practitioner track requires 42 credits. The Clinical Nurse Leader track requires 39 credits. The Nursing Education track requires 39 credits.

**Prerequisite Courses**

MSN applicants must have successfully completed an undergraduate statistics course, and a nursing research course is recommended. Applicants for all four tracks must also have successfully completed a basic health assessment course.

**Required Graduate Core Courses**

All MSN students are required to take the following:

- NU 501: Healthcare Policy & Ethics for Contemporary Nursing Practice: 3 credits
- NU 530: Theory & Professional Roles for Contemporary Nursing Practice: 3 credits
- NU 601: Principles of Healthcare Research for Contemporary Nursing Practice: 3 credits
- NU 602: Evidence-Based Practice for Quality Care: 3 credits
- NU 603: Principles of Healthcare Research for Evidence-Based Nursing Practice: 3 credits

NU 603: For FNP students only in lieu of NU 601 and NU 602

Total: 9–12 credits dependent on track

**GRADUATE CAPSTONE**

The graduate capstone project is a culminating experience beyond the specified coursework and represents the student's ability to formulate a project and implement it using a combination of conceptual, technical, and applied knowledge and skill defined by the MSN program competencies. The capstone is required to demonstrate competence in the scholarship of the student's selected master's track and the ability to work independently and to present the results of his or her investigation effectively. The capstone project is incorporated into course requirements for the last role practicum or role immersion course (NU 672, NU 673, NU 680, NU 681, NU 631, NU 690, NU 691 for the NMEL, CNL, FNP, and NE students.

**NURSING MANAGEMENT AND EXECUTIVE LEADERSHIP TRACK**

In addition to the core requirements and capstone, students in the MSN program in the Nursing Management and Executive Leadership track are required to complete the following plan of study:

**Required Courses**

- NU 511: Role Development for Nursing Management & Executive Leadership: 3 credits
- NU 521: Creating a Professional Work Environment: 3 credits
- NU 575: Healthcare Information Systems Resources: 3 credits
- NU 576: Management of Financial Resources: 3 credits
- NU 617: Healthcare Delivery Systems: 3 credits
- NU 665: Quality & Safety in Practice: 3 credits
- NU 672: Nursing Management & Executive Leadership Practicum: 3 credits
- NU 673: Capstone: Nursing Management & Executive Leadership: 3 credits

Practicum Hours: Minimum of 120
Total Specialty Hours: 24 credits

**FAMILY NURSE PRACTITIONER TRACK**

In addition to the core requirements and capstone, students in the MSN program in the Family Nurse Practitioner track are required to complete the following plan of study:

**Required Courses**

- NU 550: Family & Community Context for Healthcare: 3 credits
- NU 551: Advanced Pharmacology for the Nurse Practitioner: 3 credits
- NU 552: Advanced Health Assessment: 3 credits
- NU 561: Primary Care I: Comprehensive Primary Care of the Adult: 6 credits
- NU 566: Advanced Pathophysiology for Nurse Practitioners: 3 credits
- NU 621: Primary Care II: Advanced Primary Care of Families in Complex Systems: 7 credits
- NU 631: Primary Care III: Advanced Primary Care & Health Promotion of Special Populations: 8 credits

NU 631: Capstone incorporated into NU 631

Clinical Hours: Minimum of 550
Total Specialty Hours: 33 credits

**CLINICAL NURSE LEADER TRACK**

In addition to the core requirements, students in the MSN program in the Clinical Nurse Leader track are required to complete the following plan of study:

**Required Courses**

- NU 550: Family & Community Context for Healthcare: 3 credits
- NU 553: Advanced Pathophysiology: 3 credits
- NU 554: Application of Comprehensive Health Assessment Methods: 3 credits
NU 575 Healthcare Information Systems 3
NU 605 Advanced Pharmacology for the Nurse Leader 3
NU 611 Care Management & Resources Across the Continuum 3
NU 612 Disease Management & Outcomes Assessment 3
NU 680 Clinical Nurse Leader Role Practicum 3
NU 681 Capstone: Clinical Nurse Leader 3

Role Immersion Hours: Total of 400 clinical hours across 6 courses
Total Specialty Hours: 27 credits

NURSING EDUCATION TRACK

In addition to the core requirements and capstone, students in the MSN program in the Nursing Education track are required to complete the following plan of study:

Required Courses
NU 553 Advanced Pathophysiology 3
NU 554 Application of Comprehensive Health Assessment Methods 3
NU 575 Healthcare Information Systems 3
NU 588 Theoretical Basis of Teaching & Learning in Nursing Education 3
NU 589 Curriculum Development & Evaluation in Nursing Education 3
NU 605 Advanced Pharmacology for the Nurse Leader 3
NU 619 Principles of Patient & Staff Education 3
NU 690 Nursing Education Role Practicum 3
NU 691 Capstone: Nurse Educator 3

Education Role Practicum Hours: Minimum of 180
Total Specialty Hours: 27 credits

Accelerated RN-to-MSN Program

This program is for registered nurses who currently have a diploma or associate degree in Nursing. The program provides an accelerated path into the Master of Science in Nursing program. The baccalaureate upper-division Nursing major includes both undergraduate- and graduate-level courses to satisfy the requirements of the baccalaureate degree. The basis of the acceleration is the substitution of graduate credits for credits toward the Bachelor of Science in Nursing (BSN). Students are awarded a BSN after completion of 120 credits at the 300-400 level. Students progress to 500-level courses once a BSN is awarded. The baccalaureate degree program in nursing, the master's degree program in nursing, and the Doctor of Nursing Practice program at Sacred Heart University are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791, (http://www.ccneaccreditation.org).

Admission Requirements
The program is limited to academically talented students who have experience in nursing and demonstrate a commitment to nursing leadership and advanced practice. Students apply through online Admissions directly for the RN-to-MSN program.

The criteria for admission include:
- A minimum undergraduate GPA of 3.0
- RN license in state of practice
- One (1) year of nursing experience preferred
- Proof of liability insurance
- Completed application, statement of professional goals, résumé, two letters of recommendation (one from a current supervisor and one from a professional peer), and official copies of transcripts of all prior nursing and academic work
- Interview with an admissions representative for faculty review

Degree Requirements
Students will be advised by a graduate faculty member. Students are required to maintain a GPA of 3.0 while they complete the plan of study listed below. However, many requirements may be completed through challenge exams.

Validation of Prior Learning

Students may be awarded 30–36 Nursing credits through the State of Connecticut Nursing Articulation Plan. Students who graduate from schools in other states can be awarded 30 credits through endorsement of these courses. Students will be advised of their status by the Nursing faculty with credits shown as NU 290.

DEGREE REQUIREMENTS

Additional Required Courses for the BS in Nursing

Foundational Core - University and Nursing Requirements

Academic Writing:
FS 103
Art/Design/Comm.:
Can Choose From Various Courses (3 credits)

History:
HI 100

Literature:
ENG 260 Literature of Illness & Healing 3

Logic:
MA 101 Mathematics for the Liberal Arts or a higher-level Math course 3

Natural Science:
BI 161 Introduction to Microbiology and 3
BI 162 Introduction to Microbiology Laboratory 1

Philosophy:
PH 221 Historical Development of 3
Philosophy

Religion:
TRS 265 Introduction to World Religions 3
or
TRS 266 Understanding Religion 3

Social Science:
Anthropology, Economics, Political Science, Psychology, or Sociology (3 credits)
Total: 30 to 31 credits

Required Supporting Courses:
Social Science: Anthropology, Economics, Political Science, Psychology, or Sociology 3

BI 128 Nursing Anatomy & Physiology II 3
BI 129 Nursing Anatomy & Physiology II Laboratory 1
MA 131 Elementary Statistics 3
CH 120 Drugs & Their Implications to Society 3
CH 130 The Chemistry of Nutrition 3
Total: 13 credits

Catholic Intellectual Tradition Seminars
CIT 201/202 The Human Journey Seminars: Great Books in the Catholic Intellectual Tradition 3 CR each
Total: 6 credits

Thematic Liberal Arts Core
Total: 9 to 10 credits

Humanities:
Ethics (3 credits)

Social Science:
Anthropology, Economics, Political Science, Psychology, Sociology (e.g., Lifespan Development, Child Development, Global Health, Health Psychology) (3 credits)

Natural Science:
BI 126 Nursing Anatomy & Physiology I 3
BI 127 Nursing Anatomy & Physiology I Laboratory 1

Free Electives

For RN–MSN students, free electives may include:
NU 355 Leadership in Contemporary Nursing Practice 3
NU 382 Management of Home Healthcare Agencies or transfer courses 3

Total: 6 credits

Required BSN Courses for Accelerated Degree RN–MSN—All Tracks
NU 290  The Human Journey of Nursing 3
NU 315  Health Assessment for RNs 3
NU 325  Care Management: Individuals & Families 4
NU 387  Populations & Global Health Nursing 5
NU 401/NU 501 Healthcare Policy & Ethics for Contemporary Nursing Practice 3
NU 430/NU 601 Principles of Healthcare Research for Contemporary Nursing Practice 3
NU 431  Evidence-Based Practice for Quality Care 3
NU 433  Theory & Professional Roles for Contemporary Nursing Practice 3
NU 475  Health Care Information Systems

Total: 60 credits

Courses in the Nursing major are generally taken after the majority of general education courses have been completed. NU 401, 430, 431, 433, and 475 must be taken before NU 376 or 387. Students are encouraged to review the University Catalog for other policies and requirements related to timing of various course requirements, CLEP availability and timing, and credit for prior learning application procedures.

1. Students who have completed and received SHU credit for an academic writing course are exempt from Freshman Seminar.
2. BI 128 must be completed before NU 431
3. The Validation of Prior Learning is awarded upon admission and validation of courses.

Required Courses for MSN in Nursing Management and Executive Leadership

Required Courses
NU 511  Role Development for Nursing Management & Executive Leadership 3
NU 521  Creating a Professional Work Environment 3
NU 575  Healthcare Information Systems 3
NU 576  Management of Financial Resources 3
NU 617  Healthcare Delivery Systems 3
NU 665  Quality & Safety in Practice 3
NU 672  Nursing Management & Executive Leadership Practicum 3
NU 673  Capstone: Nursing Management & Executive Leadership 3

Practicum Hours: Minimum of 120
Total Specialty Hours: 24 credits

Required Courses for MSN in Clinical Nurse Leader Track

Required Courses
NU 550 Family & Community Context for Healthcare 3
NU 553 Advanced Pathophysiology 3
NU 554 Application of Comprehensive Health Assessment Methods 3
NU 575 Healthcare Information Systems 3
NU 605 Advanced Pharmacology for the Nurse Leader 3
NU 611 Care Management & Resources Across the Continuum 3
NU 612 Disease Management & Outcomes Assessment 3
NU 680 Clinical Nurse Leader Role Practicum 3
NU 681 Capstone: Clinical Nurse Leader Practicum 3

Role Immersion Hours: Total of 400 clinical hours across 6 courses
Total Specialty Hours: 27 credits

Required Courses for MSN in Nursing Education

Nursing Education Track

In addition to the core requirements and capstone, students in the MSN program in the Nursing Education track are required to complete the following plan of study:

Required Courses

NU 553 Advanced Pathophysiology 3
NU 554 Application of Comprehensive Health Assessment Methods 3
NU 575 Healthcare Information Systems 3
NU 588 Theoretical Basis of Teaching & Learning in Nursing Education 3
NU 589 Curriculum Development & Evaluation in Nursing Education 3
NU 605 Advanced Pharmacology for the Nurse Leader 3
NU 619 Principles of Patient & Staff Education 3
NU 690 Nursing Education Role Practicum 3
NU 691 Capstone: Nurse Educator Practicum 3

Education Role Practicum Hours: Minimum of 120
Total Specialty Hours: 27 credits
### Courses

#### AC - Accounting

**AC 610 - Accounting for Decision-Making & Control (3)**

This course explores the essentials of providing relevant and useful cost and managerial information to both multinational and domestic corporate managers. Ethical aspects of each of these areas are examined. Much of the classroom interaction comprises written assignments, case studies, and team presentations.

Prerequisite: WGB 602 Financial & Management Accounting.

**AC 615 - Managerial Controls & Budgeting (3)**

The basic considerations of controllership and budgeting are set forth and analyzed, and the importance of business planning and control is emphasized from a management perspective. Emphasis is on budgeting practices and theory as a tool for profit and control.

Prerequisite: WGB 602 Financial & Management Accounting.

**AC 617 - Financial Statement Analysis (3)**

This course examines current financial reporting and disclosure practices. Emphasis is on development of the ability to analyze financial statements to evaluate the current financial condition of a firm and assess its future trends. Topics include the use of various ratios to analyze income statements, balance sheets, and funds flow.

Prerequisite: WGB 602 Financial & Management Accounting.

**AC 629 - Contemporary Issues in Auditing (3)**

This course emphasizes completion of the audit engagement. Includes preparation of various reports, other services offered by CPAs, legal liability, and ethical and professional responsibilities.

Prerequisite: WGB 602 Financial & Management Accounting.

**AC 699 - Special Topics - Accounting (3)**

Emphasis is on the usefulness of accounting information in financial markets through the study of the accounting conceptual framework. Analyses include the standard-setting process, asset valuation, and income determination. Examines accounting policies, ethical issues, FASB financial accounting rules, and the impact of international accounting policies, all with a focus on application to current issues.

Prerequisite: AC 610 Accounting for Decision-Making & Control.

#### AT - Athletic Training

**AT 500 - Emergency Care in Athletic Training (6.00 Credit(s))**

Distribution: Athletic Training. Offered: Summer 1 Semester All Years.

**AT 510 - Research Design & Statistics in Athletic Training (3.00 Credit(s))**

Distribution: Athletic Training. Offered: Summer 1 Semester All Years.

**AT 532 - Evidence Based Practicum I (2.00 Credit(s))**


**AT 533 - Evidence Based Practicum II (3.00 Credit(s))**


**AT 554 - Advanced Lower Extremity Injury Management (6.00 Credit(s))**

Distribution: Athletic Training. Corequisite: Co-Req. AT-532 and AT-576. Offered: Fall Semester All Years.

**AT 555 - Advanced Upper Extremity Injury Management (6.00 Credit(s))**

Distribution: Athletic Training. Prerequisite: AT-554. Corequisite: AT 533. Offered: Spring Semester All Years.

**AT 576 - Clinical Decision Making: Neurological Pathologies (3.00 Credit(s))**

Distribution: Athletic Training. Corequisite: Co-Req. AT-532 and AT-554. Offered: Fall Semester All Years.

**AT 577 - Social and Behavioral Health (2.00 Credit(s))**


**AT 622 - Seminar: Leadership & Professional Development (3.00 Credit(s))**

Distribution: Athletic Training. Offered: Spring Semester All Years.

**AT 634 - Evidence Based Practicum III (3.00 Credit(s))**

Distribution: Athletic Training. Prerequisite: Pre-Req. AT-533. Corequisite: AT 656. Offered: Fall Semester All Years.

**AT 635 - Evidence Based Practicum IV (3.00 Credit(s))**

Distribution: Athletic Training. Prerequisite: Pre-Req. AT-634. Offered: Spring Semester All Years.

**AT 656 - Clinical Decision Making in Athletic Training (3.00 Credit(s))**

Distribution: Athletic Training. Prerequisite: Pre-Req. AT-555. Corequisite: AT 634. Offered: Fall Semester All Years.
This course discusses the concept of sustainability within a business setting. It will analyze the complex relationship between business and the environment and assess the importance of environmental and social issues. Furthermore, it aims to discuss how the talents of business might be used to solve world's environment and social problems.

Distribution: Management. Offered: Spring Semester All Years.

BU 616 - Sustainability Management Strategies (3.00 Credit(s))

This course discusses the concept of sustainability within a business setting. It will analyze the complex relationship between business and the environment and assess the importance of environmental and social issues. Furthermore, it aims to discuss how the talents of business might be used to solve world's environment and social problems.

Distribution: Management. Offered: Spring Semester All Years.

BU 621 - Comparative Management & Intercultural Communication (3)

Sensitivity to different perceptions, values, traditions, and ways of thinking are critically important in today's global workforce as organizations interact across cultures. This course explores how culture affects individuals as well as organizations and introduces frameworks for understanding how cultures may vary. Students develop strategies for effectively communicating, working with, and managing people of different cultural backgrounds.

Prerequisite: WGB 521 Fundamentals of Management.

BU 632 - Managing Change (3)

This course examines strategies and techniques for successfully introducing and managing change in organizations. Explores power, influence, leadership, motivation, and communication in the change process, as well as organization development, organizational learning, and innovation management. Student teams develop a framework for recognizing factors that influence change and a process map to manage change effectively.

Prerequisite: WGB 521 Fundamentals of Management or Exemption.

BU 635 - Human Resources & Career Development (3)

This course focuses on the role of the contemporary human resources function in organizations. Emphasis is on analysis of policies related to the organizational life cycle from hiring through termination, workforce and succession planning, compensation and benefits, career development, labor relations, and employee training. These concepts are discussed in light of working with and managing a multicultural workforce.

Prerequisite: WGB 521 Fundamentals of Management or Exemption.

BU 636 - Legal Issues in Human Resources (3)

This course examines the legal relationship between an employer and an employee in the business environment. The course includes a survey and analysis of the laws that govern the employer/employee relationship. Topics include contract law, anti-discrimination law (Title VII, ADA, ADEA, and related EEOC procedure), family and medical leave law, workers compensation law, wage and hour statutes, collective bargaining, and union organizing. The objective of this course is to offer the student the necessary familiarity with prevailing workplace legal issues to enable the student to help recognize and prevent potential liability and efficiently work with legal counsel. Special attention is given to how these issues are dealt with as companies expand globally.

Prerequisite: HR 610 Performance Management.

BU 639 - Innovation Management (3)

This course will cover the definition of innovation, the barriers and enablers for making innovation real in companies, the core principles for innovation management (foresight, ideation, discovery-driven planning, rapid prototyping, open platforms, wisdom of crowds, and technology adoption and diffusion), and how innovation management is being applied by market leaders and companies in highly competitive industries.

Prerequisite: WGB 521 Fundamentals of Management or WGB 612 Leading & Influencing with Integrity.

BU 654 - Introduction to Business Analytics (3)

This course introduces the field of business analytics by covering statistical and quantitative methodology for data analysis and managerial decision-making. Some of the topics include regression, forecasting, risk analysis, simulation, linear programming, data mining, and decision analysis. The course will emphasize on conducting analysis in a spreadsheet environment including XLMiner and Tableau.
BU 655 - Introduction to Database Management (3)

This course covers the concepts and design for Relational Database Management Systems (DBMS) and the Structured Query Language (SQL) needed to define and manipulate data. Students will learn the concept of database and data structure, data warehouse, and data mining. They will also learn how to create conceptual, logical and physical designs of relational databases. We will use a Microsoft Access database to design the entity-relationship diagrams (ERD) and implement a working database. The course covers methods for adding data, updating data, extracting data, producing readable output, and creating and manipulating tables and creating and managing constraints using SQL.

BU 664 - Negotiations (3)

Negotiation is the art and science of securing agreements between two or more interdependent parties. Hence, the purpose of this course is to develop an understanding of the psychological and strategic dynamics of negotiation. The course is grounded in the major concepts and theories of bargaining, negotiation, and mediation and is designed to use a combination of simulations and analysis to build one’s own personal experience in the classroom and in the real world.

BU 665 - International Business (3)

This course describes the scope of international business and studies multinational enterprises in light of cultural, historical, political, and economic factors. Trade theories are examined in the context of international economics and finance. The focus then turns to the management of global operations, from initial entry into international markets to strategy development for the multinational enterprise.

BU 667 - Team Management (3)

This course examines the use of teams to accomplish organizational strategies. Topics include: team leadership, goal setting, group dynamics, group decision-making, and diversity and multicultural issues.

Prerequisite: WGB 521 Fundamentals of Management.

BU 667 - Contemporary Issues in Global Management (3)

This course explores a variety of current issues and emerging trends affecting global business, utilizing a cross-disciplinary approach to the management of today’s global enterprises.

Prerequisite: WGB 521 Fundamentals of Management or Exemption.

BU 699 - Special Topics - Management (3)

This course number is used for courses offered on a one-time basis or for courses being piloted.

Prerequisites will vary according to the specific course topic.

CH - Chemistry

CH 521 - Advanced Organic Chemistry (3)

Explores the effects of structure and environment on reaction rates and equilibria and the use of statistical and quantum mechanics in organic chemical reactions. Topics include: organic reaction mechanism, Huckel theory, orbital symmetry, photochemistry, and standard concepts of physical organic chemistry.

Prerequisite: CH 222 Organic Chemistry II (or equivalent).

CH 522 - Organic Synthesis (3)

Surveys three general classes of reactions: reduction, oxidation, and the formation of carbon-carbon bonds. Each reaction is used as a tool in chemical synthesis.

Prerequisite: CH 222 Organic Chemistry II (or equivalent).

CH 524 - Special Topics in Organic Chemistry (3)

Topics include heterocyclic chemistry, medicinal chemistry, polymer chemistry, supramolecular chemistry, organometallic chemistry, radical and photochemistry, and combinatorial chemistry. Course title is shown on the student's transcript.

CH 525 - Supramolecular Chemistry (3)

This course explores the definition and concepts and aims to understand the structure, function, and properties of self-assembled multicomponent supramolecular assemblies of atoms, ions, and molecules.

Prerequisite: CH 222 Organic Chemistry II.

CH 526 - Medicinal Chemistry & Pharmacology (3)

A basic neuropharmacology/neurochemistry course in which principles underlying the actions of neural transmission, neurotransmitters, and medications are addressed. Chemicals that affect the CNS are presented, including routes of drug administration, pharmacokinetics, pharmacodynamics drug-receptor interactions, and drug metabolism. In addition, mechanisms of action, therapeutic effects, adverse effects, and therapeutic indications are noted for major classes of drugs and for commonly used drugs within each class.

CH 529 - NMR Spectroscopy & Lab (3)

The theory and principles of nuclear magnetic resonance and spectroscopy are presented to allow the physical and chemical properties of molecules, particularly organic, to be examined. Detailed information about molecular structure, dynamics, properties, and chemical environment not only in chemistry but also in biochemical and medical compound synthesis and applications are presented, analyzed, and discussed. The lab is a hands-on introduction to modern NMR spectroscopy. Students will gain experience with a wide range of techniques on a high field (400 MHz) NMR spectrometer. They will also have the opportunity to manipulate NMR data using provided software designed specifically for our spectrometer. By the end of the course the
student will be proficient in use of NMR spectrometry as applied to a variety of organic compounds.

**CH 530 - Physical Chemistry (3)**

This course explores advanced kinetics and quantum mechanics.

Prerequisite: CH 331 Physical Chemistry I; co- or prerequisite: MA 253 Calculus III (or permission of the program director).

**CH 531 - Advanced Physical Chemistry I: Molecular Structure (3)**

Topics in quantum chemistry, molecular structure, group theory, and applications of these topics to spectroscopy.

Prerequisite: CH 332 Physical Chemistry II.

**CH 532 - Advanced Physical Chemistry II: Molecular Dynamics (3)**

Topics in statistical thermodynamics, collision theory, and reaction dynamics and mechanism.

Prerequisite: CH 332 Physical Chemistry II.

**CH 533 - Biophysical Chemistry (3)**

Explores the physical processes involved in living systems including molecular thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Two 75-minute lectures per week.

Prerequisite: CH 331 Physical Chemistry I.

**CH 534/534L - Organic Structure Determination (3)**

This course focuses on identification and structure determination of organic molecules by modern spectroscopic techniques. Emphasis is on IR, NMR, CMR, and mass spectrometry. The course features hands-on work in NMR and FT-IR.

Prerequisite: CH 222 Organic Chemistry II (or equivalent) and CH 351 Instrumental Analysis (or equivalent).

**CH 539 - Special Topics in Physical Chemistry (3)**

Topics include: magnetic resonance spectroscopy, statistical mechanics, and mathematical and computer concepts in chemistry. Course title is shown on the student's transcript.

**CH 545 - Bioinformatics (3)**

Covers basic computer programming and database design, a basic review of biochemistry, biomolecular sequence comparisons and alignments, biomolecular structure prediction, biomolecular function prediction, and data analysis to solve theoretical problems and application problems using bioinformatics programs.

**CH 547 - Computation Chemistry & Molecular Modeling (3)**

This course provides an introduction to computational chemistry that is suitable for graduate students and advanced undergraduate students. Topics covered include a historical introduction to the subject, quantum mechanics, molecular mechanics, a brief introduction to statistical mechanics, and a short review of thermodynamics. Students are required to solve theoretical problems and application problems using computational software (software that students might be required to purchase). Example problems and applications are drawn from organic chemistry and biochemistry.

**CH 549 - Special Topics in Biochemistry (3)**

Topics include: carbohydrate chemistry, enzyme kinetics, endocrinology, electrically excitable cells, computer-aided access to proteins and databases, cell motility, and chemical concepts in genetic engineering. Course title is shown on the student's transcript.

**CH 550 - Instrumental Analysis (3)**

A prerequisite to CH 551

This course explores theory and practice of instrumental methods of analysis, spectrophotometric, electroanalytical, and chromatographic methods of separation and quantification.

Prerequisite: CH 252 Analytical Chemistry and CH 331 Physical Chemistry I (or permission of the program director).

**CH 551 - Advanced Analytical Instrumentation I: Spectroscopy (3)**

This course focuses on the fundamentals and practical aspects of analytical spectroscopy. Special emphasis is given to theory and instrumentation; methods and applications are covered.

Prerequisite: CH 351 Instrumental Analysis.

**CH 552 - Advanced Analytical Instrumentation II: Chromatography (3)**

This course focuses on the fundamentals and practical aspects of analytical separation and chromatography. Special emphasis is given to theory and instrumentation; methods and applications are covered.

Prerequisite: CH 351 Instrumental Analysis.

**CH 553 - (CH 355) Advanced Inorganic Chemistry (3)**

The physical and chemical properties of the elements and their compounds are correlated with their positions in the periodic table. Bonding theory and coordination chemistry are emphasized. A grade of B or better required to earn the 3 credits.

Prerequisite: CH 331 Physical Chemistry I (or equivalent).

**CH 554 - Special Topics in Electroanalytical Chemistry (3)**

Principles and techniques of electrochemistry and electrochemical equilibrium with practical experience in context of electroanalytical chemistry include: potentiometry, amperometry, coulometry, and voltammetry. Course title is shown on the student's transcript.
CH 556 - Chemical Applications of Group Theory (3)
This course presents basic principles of group theoretical methods. Topics include: molecular symmetry, normal coordinate analysis, molecular bonding and energy levels, and theoretical basis for selection rules.
Prerequisite: CH 331 Physical Chemistry I (or equivalent).

CH 559 - Special Topics in Inorganic Chemistry (3)
Topics include: electronic spectra of transition metal complexes, reactions of transition metal complexes, ionic liquids, and bioinorganic chemistry. Course title is shown on the student's transcript.

CH 561 - Environmental Chemistry (3)
A prerequisite to CH 565
This course focuses on the chemical aspects of the human environment. Examines the sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments and the effects of technology thereon.
Prerequisite: CH 221 Organic Chemistry I (or equivalent) and MA 151 Calculus I (or equivalent).

CH 563 - Biochemical Analysis (3)
Explores theory and methods in analytical spectroscopy, chromatography, and electrochemistry including UV-visible spectroscopy, fluorescence, luminescence, Raman, NMR, GC-MS, HPLC, and voltammetry with special emphasis on applications to biochemistry. Two 75-min lectures per week. Offered every three semesters.
Prerequisite: CH 351 Instrumental Analysis.

CH 565 - Environmental Sampling & Analysis (3)
Discusses methods and protocols of environmental sampling and analysis in water, air, and biological matrices. Addresses EPA quality assurance and quality control plans. Laboratory and fieldwork include: sampling of surface and groundwater, performing chemical and biological analyses of water, monitoring treated effluent quality control, and detecting hazardous contaminants.
Prerequisite: CH 561 Environmental Chemistry.

CH 567 - Experimental Design (3)
The objective of this course is to teach students the statistical tools used by chemists to design, conduct, and analyze experiments effectively and efficiently, and also to teach students how to obtain information for characterization and optimization of systems. Students will learn how to use Minitab software to conduct their analysis.
Prerequisite: Knowledge of basic statistics.

CH 571 - Polymer Chemistry (3)
An introduction to polymer chemistry through a study of step and chain polymerization and copolymerization as well as block and graft copolymers. Polymerization techniques in solution, emulsion, and microemulsion are discussed as well as polymer structure and characterization with an overview of the properties of commercial polymers.
Prerequisite: CH 222 Organic Chemistry II (or equivalent) and CH 331 Physical Chemistry I (or equivalent or permission of program director).

CH 590 - Chemical Information: Sources & Technology (3)
Information is a vital key to success in today's chemical industry. The premier chemical information sources will be reviewed with emphasis on Chemical Abstracts Service and Beilstein. Chemical information retrieval applications will be highlighted including STN International, Scifinder, and Crossfire in addition to Internet resources. Students will gain an appreciation for chemical database design and content as well as formulating queries for keyword and structure-based searches.

CH 597 - Computational & Bioanalytical Chemistry & Lab (3)
This course is split into two different but fully integrated sections: (a) a two-hour (in silico) class and (b) a three-hour (in vitro) lab. During the class (in silico) students will study and apply computational methods to molecular biochemical problems, yielding predictions about the structure and activity of various biochemical molecules. During the lab (in vitro), students will test the in silico predictions against empirical reality. Students will then be required to analyze and to provide an integrated and coherent interpretation of their in silico and in vitro results. This format will introduce students to the well-established field of bioanalytical chemistry, the emerging field of computational biochemistry, and the vital relationship between the two. This class/lab will take advantage of HyperChem software, NMR 400 spectrometer, and available analytical chemistry and biochemistry instrumentation.
Prerequisite: CH 331 Physical Chemistry I and CH 341 Biochemistry.

CH 598 - Comprehensive Exam - Oral (1)
Chemistry graduate students (non-thesis track) are required to pass an oral comprehensive test (after the completion of 34 credits in coursework) in fulfillment of the MS degree.

CH 599 - Thesis (3+3 CH (6 credits))
Original research under the supervision of faculty member(s) leading to a written thesis.

CJ - Criminal Justice

CJ 500 - Foundations of Criminal Law & Procedure (3)
This course provides an in-depth analysis into United States criminal law through the model penal code and an in-depth analysis of the U.S. Supreme Court cases that have shaped
criminal justice. Students will apply criminal law and procedural acts of law as practiced throughout the country.

CJ 501 - Theories & Analysis of Crime Causation & Deviance (3)

This course examines the development and application of theories of crime causation and social deviance. The course includes an assessment of the issues and problems involved in controlling crime and deviance in society. Students learn about the nature of criminal behavior and the impact of this behavior on the victims, and study the development of programs and policies to control crime and assist the victims.

CJ 502 - Critical Issues in the Administration & Management of the Criminal Justice System (3)

This course examines the current problems and issues facing the American criminal justice system. The course explores the role of the courts and correctional system, access to the justice system, controversial policies such as the use of force and discretion, and organizational and legal issues related to decision-making within the criminal justice system.

CJ 503 - Law, Society, & Ethics (3)

This course focuses on constitutional and ethical issues as they affect the operation of the criminal justice system. Topics examined include legal issues related to punishment and the ethical responsibilities of criminal justice agents.

CJ 504 - Issues in the Administration of the Adult & Juvenile Correctional Systems (3)

This course explores the operation and nature of the American correctional system. The course examines the juvenile justice system as well as the adult correctional system. Theories and philosophies of correctional administration and the conditions that generate delinquent behavior are examined as well as current critical issues such as overcrowding, alternatives to incarceration, and efforts to maintain family cohesion.

CJ 505 - Criminal Law (3)

This course examines various topics in substantive criminal law as they affect the operation of the criminal justice system. Topics may include standards of evidence, defenses, and punishments.

CJ 506 - Victimology (3)

This course examines the victim through history. Course explores the victim movement and the nature and extent of criminal victimization and its effect on American society.

CJ 507 - Organizational Procedures (3)

This course examines the criminal justice system from an organizational perspective. Students will explore fraud control, risk analysis, and corporate crime control through case studies.

CJ 508 - Capital Punishment (3)

This course examines the theoretical, legal, and ethical issues involved in capital punishment.

CJ 509 - Criminal Behavior & the Family (3)

This course studies theories and research concerning the socialization experience and their impact on behavior. Topics examined include child abuse and neglect, parental substance abuse, disciplinary techniques, single parent families, and more.

CJ 510 - Criminal Profiling (3)

This course studies the process of identifying characteristics associated with individuals who become criminal sociopaths. Sociological theories of crime causation are used in the examination of criminal typology.

CJ 511 - Emergency Management (3)

This course examines the policies and systems necessary to govern in situations of conflict and uncertainty. Explores appropriate responses to serious incidents and disasters. Evaluates early warning systems and prevention strategies. Students learn the techniques involved in planning and preparing for crises and forecasting potential crisis situations.

CJ 512 - Mental Health & The Criminal Justice System (3.00 Credit(s))

Introduction and exploration of the criminal justice system as it deals with an increasing number of clients with mental health issues.

Distribution: Criminal Justice. Offered: As Needed Contact Department.

CJ 513 - Issues in National Security (3)

This course examines the changes in American policy fostered by the terrorist attacks of 9/11/01. Students study the organizations and resources developed since 9/11/01 to defend national security. The course explores the role played by all the components of the criminal justice system in providing for the security of the nation. Also studied are the policies and practices that have been developed for this purpose by the various agencies that represent the criminal justice system. Specifically, students study the adjudication process as it relates to issues of national security and the correctional practices employed to maintain national security.

CJ 514 - Domestic & International Terrorism (3)

This course examines the history, current developments, and responses to both international and domestic terrorism. Emphasis is on the examination of law enforcement response to terrorism and the sociological models of consensus and conflict in an effort to better understand the nature of terrorism. Assesses the strategies, funding, and use of media of terrorists and examines the efforts of terrorist victimization.

CJ 515 - Budgetary Planning in Public Agencies (3)
CJ 516 - Community Based Corrections (3.00 Credit(s))

Studies the purpose of Juvenile and Adult community based corrections. Addressed issues related to offenders being managed in community settings to include the empirical effectiveness and social consequences of policy.

Distribution: Criminal Justice. Offered: All Semesters All Years.

CJ 581 - Methods of Research Design & Statistical Analysis (3)

This course must be taken at the graduate level. An undergraduate course in this subject cannot be substituted for the graduate course. Examines the research process and is designed to provide students with an understanding of the principles and practices of criminal justice empirical research. More specifically, methods of research and data analysis, as applied to the field of criminal justice, are presented. The application of these methods to criminal justice practice is demonstrated through various exercises. To better prepare capable professionals, students are taught both the language of scientific discourse and the ability to appraise empirical studies critically. To better prepare practitioners who are fair and respectful toward individuals from diverse backgrounds, research ethics, and sensitivity to populations-at-risk are promoted.

CJ 601 - Internship/Practicum Experience in Criminal Justice (3)

Students use their theoretical knowledge in a practical environment. Students are required to spend 150 hours interning in a criminal justice agency or use their current criminal justice work experience to apply theory. Students must observe and assist in the everyday operations of the agency. They are required to maintain a log of their activities and confer weekly with the faculty advisor to discuss their individual progress. The class meets regularly with the professor so that students may share their internship/practicum experiences. Upon completion of the 150 hours, the student will prepare a two-part paper. Those fulfilling the requirements through their current work experience will also prepare a paper. The first part of the paper will consist of a literature review on a topic related to the internship. The second part of the paper will consist of a description of the work experience including the topics provided by the instructor/advisor.

Prerequisite: Permission of program director.

CJ 650 - Criminal Justice Thesis (3)

The student works with a mentor to develop a research project. The research project culminates in a thesis and an oral presentation of the thesis to faculty and students in the program.

Prerequisite: Completion of 27 seven credits required by the program and the submission of a thesis proposal approved by the department.

CJ 698 - Criminal Justice Comprehensive Examination (No credit is awarded for this exam.)

Students are eligible to take this exam at the end of the semester in which they complete the required 30 credits for the degree.

CM - Communication and Media Studies

CM 501 - Media, Culture, & Communication (3)

An advanced survey of media history, theory, and analysis that examines the impact of communication technologies on U.S. society and global media culture. It also offers an overview of the development of the major media industries and professions, with a particular focus on journalism and public relations.

CM 502 - Professional Communication in the Digital Age (3)

Students learn the techniques of effective communication within organizational and professional contexts. Students acquire the methods necessary to communicate effectively between organizations and a variety of consumers and publics. The course uses the professions of public relations and journalism as its two comparative case studies. Special attention is given to the ways in which digital media and communication technologies (e.g., social networking, web-based multimedia, blogging/vlogging, mobile Internet) are used by professional communicators in these fields.

CM 503 - Media Ethics in a Professional Context (3)

Examination of ethical issues in both journalism and public relations through the use of guidelines established by the Society of Professional Journalists (SPJ) and the Public Relations Society of America (PRSA). Students will become familiar with ethical foundations and perspectives and apply those principles using case studies.

CM 505 - The Art of Storytelling in Film & Television (3)

Examines theories of narrative and explores the historical development of narrative in film and television. Film and television narratives will be grounded historically in relation to other media and storytelling traditions.

CM 515/615 - Directing for Film & Television I and II (3 CH each)

In Directing I, students explore the grammatical rules, stylistic techniques, and narrative elements of cinematic and television storytelling by completing short, nondialogue exercises and two sound exercises shot and edited in video. In Directing II, students direct a screenplay or script developed by a different student. Students will gain a firm understanding of a director's work on script, floor plans, staging, camera, and storyboards.

CM 517 - Multimedia Production I (3)

A multimedia production course that teaches students the tools and skills necessary to produce and manage digital content in the contemporary communication environment. Students design and develop regularly updated online content. Students will learn image creation and manipulation, document design, and techniques of publication and distribution as they engage with the world of digital communications.
CM 518 - Multimedia Production II (3)
A multimedia production course that is focused on delivering to students the tools and skills necessary to produce and manage digital content in the contemporary communications environment. The primary focus of this course is the production of video-based stories and projects. Students will develop, write, shoot, and edit productions in HD video. Projects will include both the construction of original stories and the coverage of live events. In this course, students will learn lighting, sound, cinematography, and editing as they engage with the world of digital communications.

CM 525/625 - Writing for Film & Television I and II (3 CH each)
Students complete several short screenplays or scripts during the first semester and complete a feature screenplay or a television pilot or spec script during the second semester. Topics include dramatic theory, narrative structure, characterization, dialogue, adaptation, and the unique demands of the specific media, as well as pragmatic matters of format and the marketplace.

CM 535 - Producing for Film & Television I (3)
Students learn all major aspects of line producing. Students will create a script breakdown and budget for the project they will produce by using industry-standard software. Students will learn the business of film and television distribution, including legal and financial aspects, management of the creative team, and marketing strategies.

CM 540 - Foundations in Media Literacy (3)
In this course, students will explore the theoretical foundations of media literacy. This class will provide an overview of the interventionist and cultural studies frameworks that underlie existing approaches to media literacy. Students will examine these approaches for sites of convergence and divergences.

CM 541 - The Great Debates of Media Literacy (3)
This course introduces students to the seven great debates of media literacy. This course will explore these debates in terms of protectionism and vulnerable populations, the centrality of school-based initiatives and specialized subjects, and the role of media production, popular culture, political and ideological underpinnings, and corporate sponsorship in media literacy initiatives.

CM 542 - Media Literacy: Design & Implementation (3)
This course will introduce students to the key components of designing and implementing media literacy initiatives. Students will interrogate case studies in terms of population, curricular goals, and measurement. Throughout the course students will be designing and revising their own media literacy initiative and preparing it for implementation.

CM 543 - Children & Media (3)
This course will explore media consumption by children. This course will examine children as vulnerable audiences, media effects on children, and children's multiplatform use of media. Overall, this course will interrogate the media's impact on the individual and the culture.

CM 544 - Teens & Media (3)
In this course, students will explore teens and their use of media. Throughout the course we will examine teenagers as a unique audience with a distinctive relationship to media culture. The course will provide an overview of teen media usage, habits, and media effects as well as impact on identity and culture.

CM 545 - Health & Media (3)
From advertisers marketing a variety of "healthy" lifestyles to the impact media usage can have on our physical and mental health, this course explores the relationship between health and media. In addition to examining key concepts in media and health students will analyze the ethical implications of media health messages.

CM 546 - Race & Representation (3)
While race itself is a mythic social construction, the effects of our racial imaginings are all too real. In this course we will explore the history of racial representation in the U.S., ranging from the colonial period to the age of Obama in order to engage in critical analysis of the production, content, and impact of racial representations in media.

CM 547 - Gender, Identity, & Media (3)
This course introduces students to the intersections between gender, sexuality, and identity. In particular, students will explore how gender and sexuality are portrayed in the media and how these media representations impact the individual and society.

CM 548 - Media & Social Movements (3)
This course introduces students to social movement theory with special attention given to how media has played a role in social change. Students will explore the representation of social justice initiatives in the media as well as how media technologies are used to foster change.

CM 550 - Sport Communication in the Digital Age (3)
This course teaches effective communication strategies and techniques within an organizational and professional context for the sports industries. The course uses the professions of public relations and journalism as its foundation. Special attention is given to the ways in which digital media and communication technologies are used by professional communicators in these fields with an emphasis on writing and layout for web distribution.

CM 551 - Sport, Culture, & the Media (3)
Sporting culture impacts the American public through economic and ideological institutions that structure our perceptions of the world. In contemporary society, sport is both big business and personal recreation, and yet, despite its influence on American culture, sport remains a relatively unexplored segment of popular culture. In this class we will pay particular attention to the images and narratives of sporting media that construct representations of class, masculinity, gender, and nation in and around everyday mass-mediated athletic activities. This course is an examination of sports and media in our everyday lives.
CM 555 - Sports Media Production (3)

This course is a multimedia production course that teaches students the tools and skills necessary to produce and manage content in the contemporary sports communication environment. In particular this course focuses on building video and audio production skills. Students will develop, shoot, and edit multimedia HD productions.

CM 556 - Sports Event Production (3)

In this course, students will acquire the fundamental skills needed to produce live multimedia sports events. Students will move through various production roles such as camera operators, technical directors, titles and graphics supervisors, and more as they become proficient in the skills necessary to capture and distribute live video of sporting events.

CM 561 - Studio Sports Broadcasting (3)

This course will introduce students to basic methods and technologies of sports media television studio production. Students will learn how to operate studio cameras and use lighting instruments, as well as the fundamentals of audio engineering, planning and managing a television studio production, and creating a sports television show from pre-production to post-production.

CM 562 - Sports Journalism (3)

Students develop the skills to produce both written and multimedia sports stories as they analyze current sporting media and construct their own work. Throughout this course, students will be partnered with specific SHU athletic teams and will cover their games throughout the semester.

CM 563 - Social Media & Journalism (3.00 Credit(s))

Students in this course will learn of the social, historical and ethical issues that surround and develop journalism focusing on the expansive impact of social media. These issues be examined and analyzed in connection to the professional world in which the students will enter. Through applied learning, the course will give students a foundation in engaging with digital tools that help shape the message needed to inform the mass audience. Students will produce, podcasts, blogs and use other forms of social media to address these issues.

Distribution: Communication. Offered: Fall Semester All Years.

CM 565 - Sport Communication & Social Media (3)

This course explores the role of social media in the sports industry. In this course, students will interrogate the sociological impact of these new media platforms on sports communication and develop the skills necessary to create integrated, ethical, and professional social media campaigns.

CM 566 - Sports Media in a Professional Context (3)

In this course, students will examine the role of sports media industries and their impact on content and professional advancement through sports organizations. This course explores ethics in a professional context as well as the foundations of the sports media industry and its relation to the communications field.

CM 594/694 - Capstone in Film Production I and II (3 CH each)

Students work collaboratively on each other's projects while also completing an individualized film capstone project. Students will be given the opportunity to focus on their desired area of specialization (e.g., screenwriting, producing, directing, cinematography, post-production).

CM 595/695 - Capstone In Television Production I and II (3 CH each)

Students work collaboratively on each other's projects, while also completing an individualized television capstone project. Students will be given the opportunity to focus on their desired area of specialization (e.g., screenwriting, producing, directing, cinematography, post-production).

CM 598 - Script Analysis (3.00 Credit(s))

This course reinforces to students the theory and practice of writing and designing a visual story by exploring how to read and analyze cinematic narrative.

Distribution: Communication.

CM 599 - Special Topics in Communication (3)

An advanced course in the theory and history of communication and media. This course integrates significant production assignments as part of MACOMM's commitment to applied learning. Topics are chosen based on the interests of the MACOMM cohort and in response to changes in the communication and media environment. Course title is shown on the student's transcript.

CM 600 - Special Topics in Multimedia Production (3)

An advanced course in media production. Topics are chosen based on the interests of the MACOMM cohort and in response to changes in the communication and media environment. Course title is shown on the student's transcript.

CM 617 - Advanced Multimedia Production (3)

Building on the tools and experiences gained in Multimedia Production I and II, students in this course refine and master their multimedia production skills. In this practicum-based class, projects will include still and moving image creation and manipulation, and the design and management of web-based platforms to display these sounds and images. The course centers on the creation, organization, and distribution of media artifacts in the service of digital communications.

CM 620 - Special Topics in Film & Television Studies (3)

Special topics course focusing on a particular historical, theoretical, and/or methodological area or subject within film and television studies. Courses capitalize on timely topics and a faculty member's particular expertise. Course title is shown on the student's transcript.
CM 621 - Special Topics in Film & Television Production (3)
Special topics course focusing on a particular genre or area of production or post-production. Courses capitalize on timely topics and a faculty member's particular expertise. Course title is shown on the student's transcript.

CM 627 - Capstone in Communication (3)
An advanced course tailored to students' areas of interest in the communication field. The focus of the class is on acquiring skill sets specific to students' career interests and the latest developments within the industry.

CM 635 - Commercial & Promotional Production (3)
An advanced companion course to CM 535, students apply the following practices in commercial and promotional contexts: script breakdowns, budget creation, production agreements, DP reel selection, crew hiring, location and tech scouting, SAG paperwork, and permissions and permits. Legal and ethical issues in relation to producing, shooting ratio, set protocols, shot lists, and scheduling are also covered.

CM 640 - Social Media & Culture (3)
Social media has altered how we communicate with each other on the individual and cultural level. This course explores the micro and macro impact of social media on health, identity, consumerism, and democracy.

CM 641 - Media Industries (3)
In this course, students will interrogate the role of political economy in media literacy. Throughout the course students will review the foundations of media economics such as growth, globalization, integration, and concentration and explore how these factors impact media content. Students will also learn the historical context and cultural impact on media regulation and ownership.

CM 642 - Visual Literacy (3)
This course focuses on the skills necessary to create and interpret visual images and the key ethical questions facing both producers and consumers of visual messages in the new media age. This course looks back at the rise of modern visual culture and forward to emergent trends. We will explore theories that address how visual images work along with their impact.

CM 643 - Media Aesthetics (3)
This course is an introduction to the formal elements of composition and structure in visual media. In this class students will develop the language to articulate what films, videos, photographs, or advertisements look like, what formal or stylistic choices were made in their production, and what distinguishes one media artifact from another.

CM 644 - Media & Violence (3)
This course invites students to explore the complexities of how violence is represented in the media. Throughout the course students will interrogate the intersections between gender, race, and violence with special attention given to cultivation theory.

CM 645 - Media & Body Image (3)
We are constantly bombarded by images of beauty and idealized bodies in the media. Students will be introduced to communication, feminist, psychological, and sociological theory in order to deconstruct these images and explore how they contribute to the complex concepts of body image and body satisfaction.

CM 646 - Alcohol Advertising (3)
In this course, students will learn to analyze alcohol advertisements. Concepts such as rebellion, addiction, disconnection, violence, and consumerism will be studied as they relate to both historical and current advertisements. An emphasis will be placed on the addictive nature of alcohol and other substances including cigarettes, sex, and food.

CM 647 - Multimedia Health Promotion (3)
This course introduces to the key components of health promotion. Students will explore the sociocultural factors surrounding health issues and the need for public health initiatives. Throughout the course students will analyze health promotion strategies and create their own multimedia health campaigns.

CM 656-657 - Sport Communication Practicum I and II (3 CH each)
Faculty-supervised internal placement with SHU Athletic Communications or SHU sports show based on the student's area of interest.

CM 692/698 - Capstone I and II (3 CH each)
Faculty-supervised placement in a school, nonprofit, or media organization to implement a media literacy initiative.

CM 696/697 - Internship I and II (3 CH each)
Faculty-supervised placement with professional media outlet or communications company in student's area of interest.

Prerequisite: Completed 6 credits with 3.0 GPA; internship application must be approved by MACOMM director.

CM 698/699 - Digital Portfolio & Mentorship I and II (3 CH each)
Offers qualified students a supervised mentorship experience with a working professional or faculty member in the student's area of interest. Students are required to deliver public presentations of their completed portfolios.

Prerequisite: For MACOMM: Completed 24 credits; mentorship agreement must be approved by MACOMM director.

CS - Computer Science and Information Technology
CS 500 - Introduction to Structured Programming (3)

This is an introductory course in computer programming using a structured programming language. Representative topics include program development, flow-charting, iteration, selection, procedures, functions, and arrays.

CS 501 - Introduction to Data Structures (3)

A continuation of CS 500, utilizing a structured programming language and classes to further implement multidimensional arrays and other data structures including linked lists, stacks, queues, trees, and more. This course also provides introduction to recursion.

Prerequisite: CS 111 Introduction to Structured Programming or CS 500 Introduction to Structured Programming (or equivalent).

CS 504 - Introduction to Programming Using Scripting (3)

This course will provide an introduction to programming using Python. Topics covered include basic programming concepts, control statements, loops and branching structures, string processing, functions, and design with classes.

Prerequisite: CS 504 Introduction to Programming Using Scripting (or Permission of Department).

CS 505 - Computer Networks (3)

Students in this course will study networks and data communication concentrating on the Internet model. This is a laboratory-based course that includes Wireshark labs. Students will review Hexadecimal and Binary number systems. Topics such as the Internet Protocol Stack, protocols, routing, packet-switching networks, LANs, and error handling are studied.

Prerequisite: CS 504 Introduction to Programming Using Scripting (or Permission of Department).

CS 550 - Dynamic Webpage Development (3)

This course provides a comprehensive overview of Dynamic Webpage Development in which students will learn to create and publish standards compliant HTML documents. Topics include, HTML5 & CSS3 basics, advanced CSS, page layouts, Responsive Web Design, HTTP, clients, servers, JavaScript and jQuery intro, Content Management Systems (CMS) and Bootstrap. This course covers the most current Web Design and Web Authoring tools available for developing HTML documents and posting pages on the World Wide Web. At the end of the course, students will be able to plan, design, and implement a web site using current standards and best practices.

Prerequisite: CS 500 Introduction to Structured Programming (or Permission of Instructor).

CS 551 - Introduction to Object-Oriented Programming with Java (3)

Provides an introduction to the fundamental concepts of object-oriented analysis (OOA), design (OOD), and programming (OOP), and how object-oriented languages differ from procedural languages. Notation is used to teach the concepts of abstraction, encapsulation, modularity, hierarchy, and polymorphism. This course is designed for both programmers and analysts. Both C++ and Java are used to implement these object-oriented concepts.

Prerequisite: CS 501 Introduction to Data Structures.

CS 552 - Windows Interface Design (VB.net) (3)

This course introduces the fundamentals of writing Windows applications, event-driven programming, and the GUI. Topics include dialogues, menus, controls, data types, scope and life of variables, objects and instances, fonts and graphics, simple file I/O, and other DLL procedures. VB.net is used in implementing various Windows applications.

Prerequisite: CS 501 Introduction to Data Structures.

CS 553 - Web Design with JavaScript (3)

This course covers web programming using Microsoft's web development technologies: Active Server Pages (ASP), ASP.NET Web Forms, and ASP.NET Model View Controller (MVC). These technologies allow for powerful web site creation by combining the .NET Framework with standard HTML. The class is presented in a tutorial style that focuses on both theory and application. The student will successfully learn how to implement the theory by building web sites using the Microsoft technologies. The class will also cover other relevant topics such as integrating databases with a website and effective site functionality.

Prerequisite: CS 554 Fundamentals of Interactive Multimedia (3)

CS 554 - Fundamentals of Interactive Multimedia (3)

Students develop multimedia applications of their own design using Adobe Premiere Pro CC. This course explores principles of timeline-based effective interactive multimedia design from concept definition, storyboarding, multimedia development, and authoring to testing and revision. Techniques covered will include sound, graphics, photographs, animation, and text. You can edit virtually any type of media in its native format and create professional productions for film, TV and web. Adobe After-Effects will also be utilized in this course.

Prerequisite: CS 550 Introduction to Structured Programming.

CS 555 - Web Programming with ASP.NET (3)

This course covers web programming using Microsoft's web development technologies: Active Server Pages (ASP), ASP.NET Web Forms, and ASP.NET Model View Controller (MVC). These technologies allow for powerful web site creation by combining the .NET Framework with standard HTML. The class is presented in a tutorial style that focuses on both theory and application. The student will successfully learn how to implement the theory by building web sites using the Microsoft technologies. The class will also cover other relevant topics such as integrating databases with a website and effective site functionality.

Prerequisite: CS 552 Windows Interface Design (VB.net) and CS 603 Database Design (Oracle).
CS 558 - Advanced Topics in ASP.NET (3)

Build on the basics of the first ASP.NET class and develop more efficient web applications. The class will focus on some advanced ASP.NET topics such as API Web Services, building Custom Components, LINQ, and Entity Framework. The class is presented in a tutorial style that focuses on both theory and application. The student will use either C# or VB.NET to program the ASP.NET web applications that access a SQL Server database.

Prerequisite: CS 557 Web Programming with ASP.NET.

CS 559 - C# Programming (3)

The C# programming language is introduced within the scope of object oriented programming principles. Emphasis is placed on data types, control structures, arrays and collections, exceptions, classes, methods and properties, events and debugging. Students also learn various implementation best practices related to coding in general along with inheritance, encapsulation, and polymorphism.

Prerequisite: CS 501 Introduction to Data Structures.

CS 560 - Networking Applications (3)

This hands-on course provides an in-depth introduction to IP addressing, TCP/IP, routing of IP packets, Internet protocol, TCP, DHCP, DNS, and network management, and a brief introduction to network security including use of firewalls, proxy servers, and footprint analysis.

Prerequisite: CS 621 Principles of Data Communication (or Permission from Department).

CS 563 - Animation for the Web (3)

An introductory web animation course. Students will produce interactive multimedia for the web and beyond. The course will cover the interface and tools used to develop animations such as shape and motion tweening, motion guide path, masking, development of scenes, movie clips and button symbols. Students will create a variety of animated content such as animated cartoons, advertisements, games, and other interactive content to publish on platforms such as HTML5 Canvas, Flash Player & Air, WebGL, or custom platforms such as Snap SVG. Basic ActionScript will be covered in this class.

CS 571 - Computer Gaming (3)

An object-oriented approach to programming digital objects. An introduction to the theoretical and practical elements for creating and producing a video game. In this course the student becomes familiar with the Unity 3D platform using the C# language. Special attention is paid to utilizing primitives for efficient prototyping, creating gameplay events, player feedback, and creating the game design document.

Prerequisite: .

CS 572 - OOP with C# and Games (3)

An object-oriented approach to computer graphics using C#. Topics covered will include classes, instantiation, event listeners, polymorphism, encapsulation, event handlers, functions and methods, and basic game logic.

Prerequisite: CS 571 Computer Gaming.

CS 573 - Advanced Game Programming (3)

A game-oriented programming course focusing on advanced graphics techniques using OpenGL.

Prerequisite: CS 572 OOP with C# and Games.

CS 583 - Theory of Computer Gaming (3)

Creating a video game is more than writing code to control events. This course examines the thinking behind computer game development. By looking at thoughtful writings and actual games we address topics like fun; conflict, catch-up strategy, gameplay, emotion, surprise, endogenous value, level design, feedback, surprise, problem statements, flow, rules and randomization. Throughout the course each student works to complete a game development document that leads to a game prototype. This prototype is utilized in player testing to see what happens when a game idea becomes reality to players.

Prerequisite: May be taken at same time as CS 571.

CS 602 - Advanced Data Structures and Algorithms (3)

Explores the relationship between data structures and algorithms with a focus on space and time efficiency. This course will review recursion, data abstraction and complexity analysis, multilists, trees (including balanced binary trees, binary trees, and Btrees), hash tables, external sorting, graphs, and algorithm design techniques.

Prerequisite: CS 501 Data Structures and Calculus .

CS 603 - Database Design (Oracle) (3)

This course discusses goals and techniques in the design, implementation, and maintenance of large database management systems: physical and logical organization; database logic; Structured Query Language, entity-relationship models; normalization; basics of database programming.

Prerequisite: CS 501 Introduction to Data Structures.

CS 604 - Advanced Software Engineering (3)

This advanced programming course reviews the latest trends in software engineering covering broad topics that lead to high quality software: waterfall and agile software development life-cycle (SDLC), object oriented programming, functional programming,
UML diagramming, SOLID principles, clean code, continuous integration and continuous delivery, test driven development, QA automation, architecture with a focus on microservices and event based systems, scalability, fault tolerance, cloud based designs, containerization, monitoring, and web application security.

Prerequisite: CS 501 Introduction to Data Structures and CS 551 Introduction to Object-Oriented Programming with Java (or Permission of Department).

CS 605 - Discrete Structures and Logic (3)

Reviews the mathematical concepts and foundations of logic for computer science: sets, relations and functions; Boolean algebras; graphs; propositional and predicate logic; notions of logical consequence and provability; soundness and completeness of inference methods; resolution; unification; and introduction to theorem proving.

Prerequisite: CS 501 Introduction to Structured Programming and Calculus.

CS 611 - Operating/Multiprogramming Systems (3)

Examines resource management (including memory allocation and management, virtual memory), process scheduling, protection, deadlocks, concurrency, file systems, I/O systems, distributed OS.

Prerequisite: CS 502 C: Advanced Programming.

CS 614 - Theory of Computation (3)

Reviews the theory of the power and limitations of computation, different major computational model, and computers: finite automata, context-free grammars, Turing machines, equivalence of computing paradigms (Church-Turing thesis), undecidability, intractability.

Prerequisite: Permission of Instructor.

CS 615 - Programming in Unix (3)

Discusses main issues of Unix OS programming and administration. Explores the popular Unix file system, regular expressions and their uses, filters awk, stream editor, shell programming, perl, and basics of system administration.

Prerequisite: CS 611 Operating/Multiprogramming Systems (or Permission of Instructor).

CS 616 - Machine Learning (3)

This course provides a theoretical and a practical understanding of machine learning techniques. It offers the concepts, the intuitions, and the tools the students need to actually implement programs capable of learning from data. A large number of techniques is covered, from the simplest and most commonly used such as linear regression to some of the Deep Learning techniques. The course materials are supported with lab sessions using Python programming language.

CS 617 - Artificial Intelligence (3)

Addresses foundational principles making computers learn, plan, and solve problems autonomously; and driving modern intelligent agents on real-world applications for contemporary problems, such as deep learning, and data flows.

CS 620 - Information Analysis and System Design (3)

The primary objective of this project-based analysis and design course is to allow students to role-play and perform realistic and current techniques to develop and document effective solutions to computer-based information system problems. Students will learn to assess the needs of and involve the user, develop respect for differences related to culture, communication styles and gender, use design techniques to formulate solutions to design problems, lead and collaborate in groups, develop formal presentations and other projects, develop project management skills, scheduling, and milestone development. Students will be presented with a practical approach to system modeling, object technology, and Unified Modeling Language, recognize community and social responsibility in the development of software.

Prerequisite: CS 501 Introduction to Data Structures.

CS 621 - Principles of Data Communication (3)

A survey of modern data communication techniques including data communication and local networking, hardware (e.g., terminals, modems, multiplexors), nodal and host processor architecture, packet switching, network control, protocols, software management, and security.

Prerequisite: CS 501 Introduction to Data Structures.

CS 622 - Network Security I (3)

Is there a security problem in computing? How do IT and network managers interface with business managers to create a security system that meets the needs of both sides of the business? How does network security support the business mission and how many resources is business willing to give to support network security? This course addresses these complex network security issues. Among the topics covered are: conventional encryption and message confidentiality, public key cryptography and message authentication, encryption applications, e-mail security, Intrusion Detection, Data Loss Prevention, IP security, Web security, firewalls, security in mobile networks, and other network security issues.

Prerequisite: CS 621 Principles of Data Communication and CS626 Intro to Cyber Security.

CS 625 - Cryptography (3)

This course covers theoretical and practical aspects of modern applied computer cryptography. Topics include block and stream...
courses; hash functions, data authentication, and digital signatures. Special emphasis is given to public-key cryptosystems. The course includes use of various encryption methods in different programming systems.

Prerequisite: CS 622 Network Security I (or Permission of Instructor).

CS 626 - Intro to Cybersecurity (3)

What is Cybersecurity? What is a threat, risk, vulnerability, and how do you protect against the constantly changing cyber world? Securing an organization's cyber environment is everyone's responsibility. This course covers the following topics: Introduce Cyber-Security Concepts, Cyber-Security Threats, Cyber-Security Attack Types, Cyber-Security History, Approaches to securing the organization, Protections from Cyber-Security Threats, Other recent cyber security risks & challenges.

Prerequisite: Prerequisites may apply.

CS 627 - System Security (3)

How do you secure the critical infrastructure that supports our cyber-security landscape? What threats and attacks do systems constantly face? This course will address these complex issues in securing the system & applications that run in today's organizations. Among the topics covered are: Secure System Hardening, Access Controls, Security System, Management, Secure Administration, Security Monitoring, Secure Back-ups, Application Security Concepts, Other security issues.

Prerequisite: CS 626 Cybersecurity.

CS 628 - Security Management (3)

All of the new security technologies require good management to maintain effectiveness. With so many new technologies, how do we make the security technology effective? Where do we start? How do we measure and plan to improve a company's security posture? This course will address these complex issues about managing security within an organization. Among the topics covered are: Policy & Information Security Program Development, Incident Response, Identity Access Management, Security Governance, Security Risk Management, Vulnerability Management, Security Metrics.

Prerequisite: CS 626 Intro to Cybersecurity.

CS 629 - Ethical Hacking (3)

This course introduces students to the security threat of computer hacking and system vulnerabilities and exploits. The course will introduce techniques and hacking skills that black-hat hackers use to compromise systems. The class will teach students how to perform white-hat hacker and ethical hacking techniques to safeguard a computer network.

Prerequisite: CS 622 Network Security I, CS 626 Intro to Cybersecurity, CS 627 System Security.

CS 630 - Cloud Computing (3)

This course presents a number of cloud computing tools and technologies, including virtualization, web services, data analysis, and integration. Upon completing this course, students will have theoretical knowledge of contemporary cloud computing tools, and practical experience in administering/maintaining them. Students are expected to have administrative access to a computer, to (i) install relevant cloud-based tools, and (ii) gain practical skills.

Prerequisite: CS 501 Data Structures.

CS 631 - Data Warehousing (3)

This course provides a comprehensive review of data warehousing methodologies and technologies. Areas of study include analysis and collection of business data requirements, dimensional modeling, the loading of data using extraction, transformation, and loading (ETL) processes, creating and reporting from multi-dimensional data marts (OLAP). SQL Server projects and labs provide hands-on experience in the areas of data warehouse design, construction, loading, and reporting.

Prerequisite: CS 603 Database Design (Oracle).

CS 632 - Advanced Database Topics (3)

This course will provide students with an advanced understanding of database technology. Topics include constraints, triggers, storage, indexing, disks and files, query evaluation and optimization, transaction management and concurrency control, XML and security.

Prerequisite: CS 603 Database Design (Oracle).

CS 633 - Advanced Database Programming (3)

This course provides students with a thorough understanding of database programming. Emphasis is placed on the data layer from the Three-tier architecture pattern. Students create front-end applications to hit large-scale backend databases. SQL Server T-SQL and stored procedures are used to retrieve data from various data stores.

Prerequisite: CS 603 Database Design (Oracle).

CS 635 - Digital Forensics (3)

In this course students will learn how to understand and differentiate between file systems and operating systems; explain in detail the FAT file system; be exposed to the NTFS file system; identify Windows and registry artifacts; understand hashing and its uses in digital forensics; understand Fourth Amendment considerations when searching and seizing digital evidence, chain of custody; use hardware write blockers to perform data acquisitions using methods and tools discussed in class; perform
basic data recovery; understand file signatures and its uses and be introduced to memory (RAM) forensics and analysis.

Prerequisite: CS 505 Computer Networks (or Permission of Department).

CS 636 - Secure Programming Techniques (3)

It all starts with programmers: every computer system today runs some type of software in its core, and as a result is ground zero for all security concerns. Using Microsoft's proven Secure Development Lifecycle as a model, this course will provide an introduction on how to set up a secure development environment, go over best practice models, and secure programming techniques in Java or .NET frameworks, as well as common web application languages such as client-side JavaScript and SQL database programming.

Prerequisite: CS 626 Intro to Cybersecurity.

CS 637 - Professional Responsibility: Cybersecurity: Policies & Practice (3)

This course will examine the issues associated with cyber security from business, technical and ethical perspectives. What does it mean to be a Cybersecurity professional? Topics include but are not limited to: network neutrality, corporate and government policies, digital divide, child pornography, intellectual property, hacking and phishing, malware as big business, treaties and their limits. The course will also examine recent bills being considered by the US government as well as the EU and other countries. Examples taken from the real world such as how to handle the cyber security of installed medical devices, insulin pumps, pacemakers, and the tradeoffs between providing external access for EMTs and keeping out hackers will be explored.

Prerequisite: Permission of Department.

CS 638 - Concepts in Dynamic and Script Programming (3)

This course will provide an introduction to dynamic programming and scripting languages using any dynamic language that can also be used for scripting such as Python, Perl, PHP, TCL, or LUA. Topics covered include flow processing, regular expressions, binding, object-oriented concepts, shell scripting, frameworks and design libraries, script debugging, and exception handling.

Prerequisite: CS 501 Introduction to Data Structures or CS 504 Introduction to Programming Using Scripting.

CS 639 - Vulnerability Management (3)

This course will provide lectures on vulnerability and compliance management for multiple systems and perform hands-on experience with Tenable Nessus (one of the industry-leading vulnerability and compliance scanning tools). It will provide students with a working knowledge and understanding of vulnerability and compliance management, and expose students to new system and application vulnerabilities that are identified on a daily basis and demonstrates the techniques for managing them.

The purpose of this course is to teach students how to identify vulnerabilities, plan to remediate them, and track to make sure they do not return.

Prerequisite: CS 626 Intro to Cybersecurity, CS 627 System Security, CS 622 Network Security I.

CS 640 - Special Topics in Computer Science (3)

Presents one-time and first-time offerings of courses on current topics. Course title is shown on the student's transcript.

Prerequisite: Determined at the time of course offering.

CS 641 - Securing the Cloud (3)

Cloud computing is rapidly becoming a popular choice for hosting everything from entire operating systems, and software, to service (IaaS, PaaS, SaaS) applications such as websites, databases, email, data backup, and so forth. The course will provide an introduction to securing cloud technologies and applying best practices. Learn the unique challenges posed by this type of platform and how to properly configure and secure cloud based assets.

Prerequisite: CS 626 Intro to Cybersecurity, CS 622 Network Security, CS 627 System Security.

CS 642 - Securing the Client/Server (3)

A prerequisite to CS 650 and CS 652

Clients and servers run operating-system (OS) software as well as many applications, each presenting a unique concern from a security perspective. This course provides an in-depth look at how to properly harden today's most popular operating systems: Microsoft Windows, Apple OS X, and Linux. This course covers built-in security features of each OS and how best to utilize these and other third-party applications to set up a secure system. The course will also teach students how to secure services and applications provided with these OSs, such as Sendmail and MS Exchange, MySQL and MS SQL Server, Apache, and MS IIS.

Prerequisite: CS 626 Intro to Cybersecurity.

CS 645 - Advanced Digital Forensics (3)

This instructor-led course provides the knowledge and skills necessary to install, configure, and effectively use the AccessData forensic software tool set to conduct digital/computer forensic investigations. There will be a significant amount of hands-on, in-class work. At the completion of this course, each student will have the opportunity to take the AccessData Certified Examiner (ACE) test. Upon a successful completion of the test, the student will have earned the ACE certification. The AccessData forensic tools covered in this course include Forensic Toolkit (FTK), FTK Imager, Password Recovery Toolkit (PRTK), and Registry Viewer. The platform for this course will be the Windows Operating System.

Prerequisite: CS 635 Digital Forensics.

CS 650 - Big Data Analytics (3)
Data Science and Big Data Analytics is about harnessing the power of data for new insights. The course covers the breadth of activities and methods and tools that Data Scientists use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with lab sessions using the R programming language, MapReduce and Hadoop.

CS 651 - Big Data Infrastructure (3)

This course provides an overview of the infrastructure of Big Data. In reviewing the state of the practice it examines: Business Intelligence vs. Data Science, Analytical Architecture, Drivers of Big Data, Big Data Ecosystem, and Roles for Big Data Teams. The Data Analytics Life Cycle, which includes Discovery, Data Preparation, Model Planning, Model Building, Communication, and Operationalization, is studied. Big Data analytic methods provide the student with a gentle introduction to R, Exploratory Data analysis, Statistical evaluation methods, and Data Visualization.

Prerequisite: CS 650 Introduction to Big Data.

CS 652 - Algorithms for Statistical Learning (3)

The course introduces modern methods for statistical learning (prediction). Students learn how to apply these methods using the programming language R (or Python). In particular, the course includes: (1) the subject of statistical learning, prediction accuracy and model interpretability, supervised and unsupervised learning, regression vs. classification; (2) model accuracy, measuring the quality of fit, bias-variance trade-off; (3) linear regression and its extensions, multiple linear regression, qualitative predictors; (4) resampling methods, cross-validation, bootstrap; (5) linear model selection and regularization: subset selection, shrinkage methods (in particular, ridge and lasso), dimension reduction methods; (6) non-linear models, splines; (7) tree-based methods, decision trees, random forests, boosting; (8) support vector machines, maximal margin and support vector classifiers.

Prerequisite: CS 650 Introduction to Big Data.

CS 661 - Game Design and Development Using 3D (3)

The course will cover Open GL and/or some advanced tools of DirectX or other appropriate software that will facilitate the integration of 3D action and movement in a game designed for the course. The students will work in teams (if appropriate) to complete a 3D game during the course. Topics covered include: world creation, polygons, textures, transformations, shaders, transform.

Prerequisite: CS 573 Advanced Game Programming.

CS 662 - Game Design, Development and Implementation (3)

In this course students work as a team to develop an innovative, original computer game. Group responsibilities include project planning and documentation, teamwork, presentations, and demonstrations. Students learn the technical skills involved in game architecture, including advanced character animation and nesting, game physics, sound syncing and editing, lighting simulation techniques, and game balance. Special attention will be paid how the game and player interact. Through a focus on iterative development, the student focuses on process as continuously evolving.

Prerequisite: CS 571 Computer Gaming.

CS 663 - Game Design for Mobile Devices (3)

In this course students explore the process required to design and build content and games for mobile devices. Students will learn how to structure and optimize code as well as employ user interface controls. Memory-awareness, limited performance, security, and limited resources will be covered. Of particular importance is learning how mobile players play. Mobile game design requires a short time for each game event. This course explores what that use model means for the developer.

Prerequisite: CS 662 Game Design, Development, & Implementation.

CS 664 - Advanced Topics in Multiplayer Gaming (3)

The course considers the technical, programming, and creative aspects for developing an effective multiplayer game. Topics covered include server requirements, virtual machines, connection techniques, live player chat, authoritative client and authoritative server choices, latency and clock simulation, lobby systems, real-time competitive games, cooperative game-play avatars, virtual worlds, and user homes. Consideration is also given to why people play games. Is your game for collaboration, for completion, to meet up with other people, or to go on an exploring mission with friends.

Prerequisite: CS 661 Game Design & Development Using 3D and CS 662 Game Design, Development, & Implementation.

CS 670 - Research Project Seminar (3)

Required for students pursuing the non-thesis option in their program of study, the student works with a faculty advisor in defining a short research or implementation project. For a research project, the student surveys relevant literature, critically analyzes the state of the art, and possibly synthesizes improvements. For an implementation project, the student implements and tests a solution to the chosen problem; the project could involve a combination of research and implementation. At the end of the project, the student writes a report approved by the faculty member and makes a public presentation of the work.

Prerequisite: Determined by faculty advisor.

CS 690 - Thesis I (3)

A prerequisite to CS 691

Required for the thesis option, the student works with a faculty advisor in defining a substantial research or implementation project. For a research project, the student surveys relevant literature, critically analyzes the state of the art, and synthesizes improvements. For an implementation project, the student implements and tests a solution to the chosen problem, comparing
it with other work, if any; the project could involve a combination of research and implementation. At the end of this course, the student should have a well-defined problem, have surveyed relevant literature, and have made partial progress toward the completion of the work. The student should be ready to make a brief presentation of the work in progress, as required by the advisor. By the end of this course, a proposal describing the work should be written and approved by a thesis committee chosen by the student and the advisor, according to University policy.

Prerequisite: Determined by faculty advisor.

**CS 691 - Thesis II (3)**

A continuation of CS 690, this course is required for the thesis option. By the end of this course, the student completes the work remaining in the project started in CS 690, as defined by the written proposal. A thesis must be written and defended in front of the thesis committee. The presentation portion of the thesis defense is open to the public.

Prerequisite: CS 690 Thesis I.

**DBF - Finance**

**DBF 900 - Business Strategy, Ethics, & Research (1.5)**

This DBA orientation seminar introduces students to the requirements of writing research papers. It also elaborates on the nature, uses, and objectives of doctoral-level applied research. Students learn how to construct arguments, devise and test analytical models, and write publishable studies.

**DBF 901 - Career Transition Seminar (1.5)**

A program-concluding special seminar that overviews career trajectories for DBA in Finance graduates in both business and academic institutions. It also covers professional networking strategies.

**903 - Comprehensive Examination (0)**

Comprehensive exam is aimed at testing a student's proficiency in the major finance concentration areas. It measures a student's general progress and competence in the knowledge of advanced concepts, theoretical precepts and analytical techniques in the field of finance.

**904 - Doctoral Thesis Defense (3)**

The doctoral dissertation is the final requirement within the educational framework of the SHU DBA in Finance program. The doctoral dissertation needs to fulfill three major objectives: a. Reflect on the doctoral candidate's advanced knowledge in the discipline of finance; b. Demonstrate the candidate's applied financial research proficiency; c. Design an original, novel solution to practical problem which will contribute to best practices in finance.

**ED - Education**

Note: Only those courses numbered 500 and higher apply to the MAT degree. Candidates admitted as Sacred Heart University undergraduates to the five-year program may apply methods courses to the MAT degree.

**ED 501 - Role of the Teacher (3.00 Credit(s))**

An educational foundations course, this course is designed to address the needs, problems, and tasks that confront teachers. Participants explore their unique and changing roles as teachers.

Distribution: Teacher Education.

**ED 510 - (See EDR 510)**

**ED 511 - Secondary Curriculum: Biology (3.00 Credit(s))**

Explores National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of biology curriculum in the secondary classroom is emphasized. Candidates develop subject-specific curricula appropriate to biology. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

**ED 512 - Secondary Curriculum; Chemistry (3.00 Credit(s))**

Explores National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of general science curriculum in the classroom is emphasized. Candidates develop subject specific curricula appropriate to chemistry. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

**ED 513 - Secondary Curriculum: English (3.00 Credit(s))**

Explores National Council of Teachers of English (NCTE) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of general science curriculum in the secondary classroom is emphasized. Candidates develop subject specific curricula appropriate to English. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

**ED 514 - Secondary Curriculum: General Science (3.00 Credit(s))**
Explores National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation general science curriculum in the secondary classroom is emphasized. Candidates develop subject-specific curricula appropriate to general science. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

ED 515 - Secondary Curriculum: Mathematics (3.00 Credit(s))

3 CH* Explores National Council of Teachers of Mathematics (NCTM) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of curriculum in the secondary classroom is emphasized. Candidates develop subject-specific curricula appropriate to math. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

ED 516 - Secondary Curriculum: Social Studies (3.00 Credit(s))

Explores National Council for the Social Studies (NCSS) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of curriculum in the secondary classroom is emphasized. Candidates develop subject-specific curricula appropriate to social studies. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

ED 517 - Secondary Curriculum: Spanish (3.00 Credit(s))

Explores American Council on the Teaching of Foreign Languages (ACTFL) and state curriculum standards for grades 7-12. Philosophical, psychological, and practical implementation of curriculum in the secondary classroom is emphasized. Candidates develop subject-specific curricula appropriate to Spanish. Students will also examine and discuss a number of current curriculum issues that impact the secondary school. The content of this course will focus primarily on putting theory into practice. To that end, this course will emphasize the practical aspects of how a school district writes curriculum with an emphasis on both process and product.

Distribution: Teacher Education.

ED 518 - (See EDR 518)

ED 522 - Integration of the Arts in the Classroom (3)

The arts are critical to education and learning. Through the arts, academic skills are enhanced and creativity and persistence are developed. This course balances the study of leading theories of arts education with experiential learning. Candidates actively engage in a broad spectrum of integrated arts to enhance creativity and artistic confidence.

ED 523 - Multicultural Education (3.00 Credit(s))

This course is designed to foster understanding of diversity. Candidates attain problem-solving and listening skills necessary for attitudinal changes for appreciation of diversity. Group process activities are presented to help students understand biases and stereotypical assumptions and how these affect decisions in the classroom. Portions of this course are experiential. There is a 15-hour field experience requirement in which candidates interact with persons of different cultural, linguistic, religious, socioeconomic, and ethnic backgrounds.

Distribution: Teacher Education.

ED 526 - (See EDL 626)

ED 527 - Distance Learning: Methods of Instructional Design (3)

Participants develop online lessons for use in professional development training and PK-12 classroom instruction. Methods of instructional design for online settings target the creation and selection of multimedia such as digital lectures, instructional videos, and simulations. Key skills for effective online instruction are explored including learner engagement, discussion management, collaboration, and community building. (Online learning)

ED 531 - Secondary Methods: Biology (3.00 Credit(s))

This course explores the methodology of teaching biology in secondary schools including the examination of the standards of the National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore biology with peers. This course is intended to bridge the gap between theories of education, biology content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 532 - Secondary Methods: Chemistry (3.00 Credit(s))

This course explores the methodology of teaching chemistry in secondary schools including the examination of the standards of the National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore chemistry with peers. This course is intended to bridge the gap between theories of
This course explores the methodology of teaching English in secondary schools including the examination of the standards of the National Council of Teachers of English (NCTE) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore English with peers. This course is intended to bridge the gap between theories of education, English content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 534 - Secondary Methods: General Science (3.00 Credit(s))

This course explores the methodology of teaching general science in secondary schools including the examination of the standards of the National Science Teachers Association (NSTA) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore general science with peers. This course is intended to bridge the gap between theories of education, general science content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 535 - Secondary Methods: Mathematics (3.00 Credit(s))

This course explores the methodology of teaching mathematics in secondary schools including the examination of the standards of the National Council of Teachers of Mathematics (NCTM) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore mathematics with peers. This course is intended to bridge the gap between theories of education, math content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 536 - Secondary Methods: Social Studies (3.00 Credit(s))

This course explores the methodology of teaching social studies in secondary schools including the examination of the standards of the National Council of the Social Studies (NCSS) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore social studies with peers.

This course is intended to bridge the gap between theories of education, social studies content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 537 - Secondary Methods: Spanish (3.00 Credit(s))

This course explores the methodology of teaching Spanish in secondary schools including the examination of the standards of the American Council of Teachers of Foreign Languages (ACTFL) and state curriculum standards for grades 7-12, as well as current trends in teaching methods and techniques. Participants will prepare unit and lesson plans with related assessment procedures on a variety of topics and acquire teaching experience by presenting lessons and working collaboratively to explore Spanish with peers. This course is intended to bridge the gap between theories of education, Spanish content area knowledge, and the realities of working in the secondary school environment.

Distribution: Teacher Education.

ED 540 - Irish Education Comparative Perspectives (3.00 Credit(s))

Based in the Gaeltacht region of West Kerry, the course compares the education system in Ireland with that of the United States. Topics addressed include curriculum and instruction, funding and governance, teacher preparation, multiculturalism, language policy, and contemporary school reform. Candidates are introduced to the students and teachers of Dingle, Ireland and experience the Irish educational system in an up-close and personal way. Candidates will observe classrooms in action, learn from Irish teachers and administrators, and meet teacher candidates and their professors. Open to all students in FCE teacher preparation programs, the course counts in lieu of ED 523 Multicultural Education, ED 552 Education in the United States, or an MAT elective.

Distribution: Teacher Education.

ED 542 - Practicum: Elementary Language Arts & Social Studies (3.00 Credit(s))

This elective course affords initial certification and MAT candidates the opportunity to tutor a struggling reader under the supervision of SHU faculty or certified personnel. Candidates learn how to administer a variety of informal literacy assessments and design an intervention plan that meets the diverse needs of each student. Working under the direct supervision of trained faculty, candidates acquire first-hand experience in delivering literacy instruction to diverse populations, while engaging in shared self-reflection. Following tutoring sessions, teacher candidates participate in collaborative problem solving and shared self-reflection to discuss their practice.

Distribution: Teacher Education.

ED 543 - Practicum: Elementary Mathematics & Science (3.00 Credit(s))

This course is designed to provide teachers with opportunities to explore curriculum approaches, teaching and assessment strategies, classroom management, and other critical issues in
teaching at the elementary childhood (grades K - 5) levels. The course will provide a one on one experience for tutoring students in math and science skills. Working under the direct supervision of trained faculty, candidates acquire first-hand experience in delivering math and science instruction to diverse populations, while engaging in shared self-reflection. Following tutoring sessions, teacher candidates participate in collaborative problem solving and shared self-reflection to discuss their practice.

Distribution: Teacher Education.

ED 544 - Elementary Curriculum & Methods: Language Arts (3.00 Credit(s))

A prerequisite to EDR 505 and 507. A study of methodology in the areas of reading instruction and language arts for elementary education candidates consistent with the National Reading Panel's recommendations for the inclusion of explicit instruction of phonemic awareness, phonics, fluency, vocabulary, and comprehension into a research-based literacy framework for beginning teachers. This course addresses ACEI standards for reading, writing, and oral language and prepares the candidate for the CT Foundations of Literacy Exam.

Distribution: Teacher Education.

ED 554 - Elementary Curriculum & Methods: Language Arts (3.00 Credit(s))

A prerequisite to EDR 505 and 507. A study of methodology in the areas of reading instruction and language arts for elementary education candidates consistent with the National Reading Panel's recommendations for the inclusion of explicit instruction of phonemic awareness, phonics, fluency, vocabulary, and comprehension into a research-based literacy framework for beginning teachers. This course addresses ACEI standards for reading, writing, and oral language and prepares the candidate for the CT Foundations of Literacy Exam.

Distribution: Teacher Education.

ED 545 - Principles & Practices in Bilingual Education (3)

This course meets requirements for bilingual certification.

ED 552 - Education in the U.S. (3.00 Credit(s))

This course discusses current issues in education, explores their historical and philosophical roots, and critically examines possibilities for the future of education. This course is offered as a hybrid course with a combination of face-to-face and online classes. Includes a three-hour service-learning experience in a PK-12 educational setting.

Distribution: Teacher Education.

ED 553 - Educational Psychology (3.00 Credit(s))

This course considers the application of psychological principles to educational theory and practice. Candidates explore the many ways of thinking about knowledge, teaching, and learning. Major theories of learning and development are introduced, and consistent themes and concepts are identified. Includes a fifteen-hour service-learning experience in a PK-12 educational setting.

Distribution: Teacher Education.

ED 554 - Elementary Curriculum & Methods: Reading, Writing & Language Arts (3.00 Credit(s))

A prerequisite to EDR 505 and 507. A study of methodology in the areas of reading instruction and language arts for elementary education candidates consistent with the National Reading Panel's recommendations for the inclusion of explicit instruction of phonemic awareness, phonics, fluency, vocabulary, and comprehension into a research-based literacy framework for beginning teachers. This course addresses ACEI standards for reading, writing, and oral language and prepares the candidate for the CT Foundations of Literacy Exam.

Distribution: Teacher Education.

ED 555 - Elementary Curriculum & Methods: Social Studies, Health & Physical Education (3.00 Credit(s))

Examines the scope and sequence of the curriculum, as well as content and methods of instruction, in elementary grades. Special attention is on lesson and unit planning/skill development utilizing application of current research in effective mathematics and science instruction. Emphasis is on the student as a learner and the role of the teacher as facilitator of math and science investigation. This course addresses ACEI standards for social studies and health.

Distribution: Teacher Education.

ED 556 - Elementary Curriculum & Methods: Mathematics & Science (3.00 Credit(s))

Candidates learn the basic concepts, scope, and sequence of instruction and current methodology in elementary mathematics and science. Attention is given to lesson and unit planning/skill development utilizing application of current research in effective mathematics and science instruction. Emphasis is on the student as a learner and the role of the teacher as facilitator of math and science investigation. This course addresses ACEI standards for math and science.

Distribution: Teacher Education.

ED 557 - Human Computer Interaction: PK to 12 (3.00 Credit(s))

This project-based seminar course introduces game theory and investigates the ways that individuals learn from interactive computer environments. The use of digital games in educational contexts is explored. Participants use Web 2.0 technologies, portable applications, and Game Maker® software to design entry-level games that are aligned with the PK-12 curriculum. No prior computer programming or art skills are required. (Online learning)

Distribution: Teacher Education.

ED 562 - Computer Art & Desktop Publishing (3)

This course introduces the methods for using Photoshop(r) along with portable applications for creating, editing, and integrating computer graphics and/or digital images into the PK-12 curriculum. Personal marketing materials are also developed through the use of Web 2.0 technologies. No prior art experience is required. (Online learning)

ED 565 - Classroom Management: Elementary (3.00 Credit(s))

This course explores teaching strategies for managing an elementary classroom and the standards found in Connecticut's Common Core of Teaching that pertain to classroom management. Candidates learn practical approaches for the establishment of procedures and routines. This course is designed for teachers and candidates in training who are interested in effective classroom management and the promotion of a safe, orderly, and inviting place in which to teach and learn. The course will initially focus on
This course is designed to give participants the opportunity to understand the power and importance of story as an educational tool. Candidates encounter a wide variety of stories from many different cultures, learn to identify resources for finding stories, develop skills in telling stories with ease and enthusiasm, and learn to evaluate the qualities that make stories age-appropriate for various grade levels. Participants are encouraged to develop their own personal style of storytelling through class exercises and listening to professional storytellers in person and on media. Candidates also explore ways to integrate storytelling into many areas of the curriculum and to aid children in developing their own storytelling ability.

Distribution: Teacher Education.

ED 574 - Professional Development: Phase II (3.00 Credit(s))

Candidates will implement the professional development plan designed in ED 573 through three phases: pre-implementation, implementation, and post-implementation. Candidates will coordinate and arrange for professionals, paraprofessionals, or community members to participate. Candidates reflect on performance based on feedback from the audience, instructor, and self-reflection. Reflection considers instructional design, instructional delivery, assessment, and integration of technology. This course serves as part of the culminating requirement for advanced MAT non-licensure candidates-practicing teachers.

Distribution: Teacher Education.

ED 578 - Education Technology (3.00 Credit(s))

This course emphasizes the integration of technological resources into primary and secondary classroom settings for the purpose of fostering student learning, creativity, and innovation. Legal issues along with the methods for using technology to collect and analyze student data are introduced. A three-hour field experience in a diverse PK-12 educational setting is required. A PC with Microsoft Office® and Internet access is recommended. (Blended or online learning)
ED 581 - Student Teaching Seminar: Biology (6.00 Credit(s))

The student teaching field experience in secondary biology, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Science Teachers Association (NSTA) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 582 - Student Teaching Seminar: Chemistry (6.00 Credit(s))

Student teaching field experience in secondary chemistry, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Science Teachers Association (NSTA) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 583 - Student Teaching Seminar: English (6.00 Credit(s))

Student teaching field experience in secondary English, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Council of Teachers of English (NCTE) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 584 - Student Teaching Seminar: General Science (6.00 Credit(s))

Student teaching field experience in secondary general science, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Science Teachers Association (NSTA) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 585 - Student Teaching Seminar: Mathematics (6.00 Credit(s))

Student teaching field experience in secondary mathematics, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Council of Teachers of Mathematics (NCTM) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 586 - Student Teaching Seminar: Social Studies (6.00 Credit(s))

Student teaching field experience in secondary social studies, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses National Council for the Social Studies (NCSS) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 587 - Student Teaching Seminar: Spanish (6.00 Credit(s))

Student teaching field experience in secondary Spanish, in conjunction with a weekly student teaching seminar, is the culminating experience of the certification program. Field experience addresses American Council on the Teaching of Foreign Languages (ACTFL) standards. The application for a field placement is submitted to the Director of Clinical Experiences the semester prior to the semester in which the candidate is placed. Student teaching is conducted only in the fall and spring semesters, and is ten weeks for interns/work experience and twelve weeks for non-interns/work experience. A student teaching fee is assessed.

Distribution: Teacher Education.

ED 588 - Creativity/Talented & Gifted (3.00 Credit(s))

In this course, students explore comprehensive curriculum for gifted learners including planning, adaptation, process, and integration. The facilitation of creative behavior is explored both experientially and theoretically.

Distribution: Teacher Education.

ED 589 - Student Teaching Seminar: Elementary (6.00 Credit(s))

Student teaching field experience in elementary education, in conjunction with a weekly student teaching seminar, is the
ED 590 - Master's Project (3.00 Credit(s))
This course is designed for candidates who need to complete the culminating requirement for the Master of Arts in Teaching. Candidates conduct research on a specialized topic and design a project based on this research.

ED 592 - Technology and Creativity (3.00 Credit(s))
This course provides participants with an in-depth study of the technological resources currently available for use in educational environments. Participants create inquiry based learning activities for the classroom. A three-hour field experience is required in this course. (Blended learning)

ED 597 - Comprehensive Examination (3.00 Credit(s))
The course is offered to students as an option for completing the culminating requirement for the Master of Arts in Teaching. The purpose of the course is to provide venues for student to synthesize the content of the MAT program. Students will examine and critique theories, practices, and current issues related to effective design of the American school system and teaching practices therein. Students will read selected books, journal articles, and research. Based on the readings, students will discuss, debate, and analyze topics in depth, leading to the design of an ideal school. These activities will help students to prepare for a final examination in which students will be asked to incorporate what they have learned in other coursework as well as in this course.

ED 599 - Seminar: Special Topics (3.00-6.00)
This course is designed to satisfy the MAT seminar requirement. Content of the seminar and its subtitle will vary. Recent and continuing topics appear below. Emerging Technologies This graduate course provides participants with opportunities to collaborate and reflect on the ways mobile technologies such as the iPhone®, iPad®, and iPod Touch® can be used to enhance teaching and learning. Participants will explore these technologies through hands-on activities and the assessment of apps. Instructional materials are also created. (Blended learning) Learning to Learn The seminar will examine the latest information on learning theories and how they may be applied to teaching and learning. Through a series of readings, class discussions, and video footage, participants will be engaged in an in-depth study of the following topics: the many facets of learning, cognitive development including information regarding brain structure and function, inquiry-centered learning, conceptual thinking and mapping, multiple intelligences, and the appropriate uses of various kinds of formative and summative assessment models. Legal Issues for Educators This course is designed to help participants become aware of legal issues that affect schools, districts, and individuals within a school setting. Most teachers are unaware of the legal precedents that drive school-related decisions, and of the legal burdens implicit in educating and supervising students. This course will examine the legal standards to which teachers are held, and explore areas where teachers often unwittingly fall short of those standards. Participants will learn skills for avoiding problem areas, thereby saving themselves, their students, and their schools legal problems, money, and heartache. The course will also undertake a review of historical and current civil rights and constitutional issues, as well as current cases concerning educating students with special needs. Public Education as Social Change Agent Many question society's standards, and some claim that schools must play an important role in improving the moral climate. Students in this seminar address the critical issues facing our country and answer the following questions: What kind of society do I want to help create? How can schools and my discipline contribute to my vision of society? Students will also evaluate various approaches to values education.

ED 600 - Characteristics of Effective Schools (3.00 Credit(s))
Examines the characteristics of effective schools and studies the implications that effective school practices have on improving learning, teaching, and leadership. Research findings, selected readings, and experts in the field who make presentations all contribute to exciting class discussions and stimulating weekly sessions.

ED 601 - Elementary Curriculum (3.00 Credit(s))
Provides an overview of the teaching profession in Costa Rica through active involvement in K-11 bilingual classrooms. Participants engage in hands-on activities in classrooms under the supervision of a master teacher. Activities include teaching assistance, tutoring, student group work, and school projects based on personal talents and content area. Participants reflect upon the implications of teaching and learning in a multicultural and multilingual environment. Course may serve in lieu of ED 523 Multicultural Education or serves as an MAT elective.

ED 603 - Seminar in Education (3.00 Credit(s))
This seminar includes a discussion of the writing of eminent scholars in the field of education. Candidates analyze their thoughts to see if they are addressing the real problems of the real classroom. Selected professionals are invited to speak.

Distribution: Teacher Education.
ED 609 - Differentiated Instruction (3.00 Credit(s))

Assists K-12 teachers in recognizing and nurturing the multiple intelligences of their students. Teachers develop strategies to incorporate the recognition and application of multiple intelligences into their classroom practice.

Distribution: Teacher Education.

ED 610 - The Teacher Leader (3.00 Credit(s))

Explores the role of the teacher leader. Emphasis on creating cultures in our schools that support educator development and student learning in the academic content areas. Centered on Domain One of the Teacher Leader Model Standards, topics include defining teacher leadership, exploring formal and informal teacher leadership roles, adult learning theory, facilitation of group learning and discussion, facilitating conversations and building consensus, organizational change and the change process, and other skills to create inclusive cultures for professional growth (and student learning).

Distribution: Teacher Education.

ED 627 - Societal Issues in Adolescence (3.00 Credit(s))

Focuses on the current school and community responses to problems such as substance abuse, AIDS, gender issues, and more. Through classroom presentations, speakers, and audiovisual materials, candidates gain practical insight and understanding of contemporary issues in adolescent life. Also offered as a blended option with a combination of face-to-face and online classes.

Distribution: Teacher Education.

ED 638 - Assessing Student Learning: Elementary (3.00 Credit(s))

Introduces elementary teachers to the purposes of classroom and large-scale assessments and their design. The application of assessments and interpretation of their results are addressed with a focus on diverse classroom learners. The course emphasizes the alignment of curriculum standards, instruction, and assessments.

Distribution: Teacher Education.

ED 639 - Assessing Student Learning: Secondary (3.00 Credit(s))

Introduces secondary teachers to the purposes of classroom and large-scale assessments and their design. The application of assessments and interpretation of their results are addressed with a focus on diverse classroom learners. The course emphasizes the alignment of curriculum standards, instruction, and assessments.

Distribution: Teacher Education.

ED 641 - Inquiry in the Academic Disciplines (3.00 Credit(s))

Explores the methodologies and investigative techniques used in the humanities, social sciences, and natural sciences. In addition to surveying frameworks of understanding in the academic disciplines relevant to curriculum in the secondary schools, the course relates discipline-specific ways of knowing to what students encounter in their everyday lives.

Distribution: Teacher Education.

ED 642 - Special Projects in Educational Technology (3.00 Credit(s))

This research course provides advanced practical experience in the implementation and evaluation of computer technology as it relates to administration, curriculum, and instruction. A field experience enables participants to conduct action research in a diverse PK-12 classroom setting. Methods for data collection and analysis are introduced. (Online learning)

Distribution: Teacher Education.

ED 644 - Emerging Technologies (3.00 Credit(s))

Explores emerging technologies and their practical application to PK-12 teaching and learning contexts. Provides a practical framework for educators who have taken an introductory course in education technology to broaden their repertoire. Integrates cutting-edge technologies into K-12 teaching and learning.

Distribution: Teacher Education.

ED 657 - Professional Seminar: Elementary (3.00 Credit(s))

This seminar fulfills the culminating activity in the MAT program for students seeking teacher certification. For candidates who will teach at the elementary school level, this course addresses the application of effective teaching techniques through a synthesis of the knowledge and skills acquired throughout the MAT program. Seminar components focus on creating an engaging classroom environment, planning and instructing for active learning, and assessing and demonstrating professional responsibility. Candidates will explore concepts coordinated with the Connecticut State Department of Education's Teacher Education and Mentoring program (TEAM).

Distribution: Teacher Education.

ED 658 - Professional Seminar: Secondary (3.00 Credit(s))

This seminar fulfills the culminating activity in the MAT program for students seeking teacher certification. For candidates who teach at the secondary level, this course addresses the application of effective teaching techniques through a synthesis of the knowledge and skills acquired throughout the MAT program. Seminar components focus on creating an engaging classroom environment, planning and instructing for active learning, and assessing and demonstrating professional responsibility. Candidates will explore concepts coordinated with the Connecticut State Department of Education's Teacher Education and Mentoring program (TEAM). Also offered as a blended option with a combination of face-to-face and online classes.

Distribution: Teacher Education.

ED 661 - Multimedia Design & Programming for Educators (3)
EDL 605 - Advanced Curriculum (3.00 Credit(s))

This course engages prospective administrators in the investigation of what really matters in a school, the application of concepts and principles for sound curriculum design, and the examination of how a focus on standards and learning for understanding deepens curriculum and assessment work. The course involves reading, thought, and discussion on educational research, and study of concrete curricular, instructional, and assessment practices. Operating principles obtained from different sources and created by instructor and candidates will guide the learning in and from the course.

Distribution: Leadership/Literacy.

EDL 610 - The Teacher Leader (3.00 Credit(s))

Explores the role of the teacher leader. Emphasis on creating culture in our schools that support educator development and student learning in the academic content areas. Centered on Domain One of the Teacher Leader Model Standards, topics include defining teacher leadership, exploring formal and informal teacher leadership roles, adult learning theory, facilitation of group learning and discussion, facilitating conversations and building consensus, organizational change and the change process, and other skills to create inclusive cultures for professional growth (and student learning).

Distribution: Leadership/Literacy.

EDL 626 - Assessment and Evaluation (3.00 Credit(s))

This course focuses on the use and interpretation of educational assessment data, and the translation of those data into school improvement plans. Current trends and issues, the examination of multiple methods of assessment, and methods of data systems and data analysis are examined. Statistical methods for analyzing and tracking student assessment data, including trend analysis, are utilized. A working knowledge of the basic Microsoft Office Suite (Word, Excel, and PowerPoint) is beneficial to successful participation.

Distribution: Leadership/Literacy.

EDL 635 - Teacher Supervision/Evaluation/Staff Development (3.00 Credit(s))

This course provides an opportunity for prospective school administrators to develop and practice the skills essential to the improvement of teaching through effective evaluation and supervisory practices. The connection between supervision, evaluation, and staff development is made explicit. The CT law on teacher evaluation is studied, and instruments such as the CT Competency Instrument and TEAM portfolios are critically analyzed and discussed.

Distribution: Leadership/Literacy.

EDL 650 - Educational Law & Finance (3.00 Credit(s))

This course provides an overview of the origin and legal status of public and private schools and the legal rights and responsibilities of administrators, parents, students, school board members, and teachers. Attention is given through the case study approach to those contemporary legal issues that concern the operations and management of schools.

Distribution: Leadership/Literacy.

EDL 654 - Leadership: Contemporary Education Problems (3.00 Credit(s))
This course provides an opportunity for prospective administrators to examine leadership styles as they relate to effective school practices. Administrative leadership theories are investigated, discussed, and applied within a case study format. Students analyze schools as evolving social systems and, from a policy perspective, apply different decision-making models in responding to solutions of authentic educational problems.

Distribution: Leadership/Literacy.

EDL 655 - Distinguished Lecture Series (3.00 Credit(s))

Students have the opportunity to hear lectures delivered by distinguished guest lecturers, each of whom has particular expertise in an area of school administration. Lecture topics include: the urban principalship, restructuring schools, data analysis for continuous school improvement, teacher fair dismissal, technology and vision building, and more. Readings and assignments are frequently presented in case study format.

Distribution: Leadership/Literacy.

EDL 689 - Education Leadership Literature Review (3.00 Credit(s))

A seminar designed to provide candidates with the knowledge and skills required to conduct a systematic review of educational literature. Candidates will be taught how to perform each step of the review process and will then apply it to a topic of their choosing for their thesis. Candidates read and critique qualitative and quantitative educational literature. Finally, candidates will gain a basic conceptual foundation to research philosophy, terminology, methods, and practices.

Distribution: Leadership/Literacy.

EDL 690 - Education Research Seminar (3.00 Credit(s))

A seminar designed to increase candidate awareness and use of educational research techniques, specifically toward the improvement of teaching and learning. Multiple methods of research designs are examined. Candidates will explore quantitative, qualitative, and mixed research designs and discuss the research setting, how to select participants, instrumentation and delimitation/limitations of various research designs. Thematic and statistical techniques are introduced. Candidate's thesis will be based on an authentic school-related problem and develop their own research that will be implemented during EDL 691.

Distribution: Leadership/Literacy. Prerequisite: Pre-req EDL-689.

EDL 691 - Thesis Seminar (3.00 Credit(s))

A formal seminar is utilized to offer direction and advice to those candidates in the implementation phase of their research study. Candidates then collect and analyze the resulting data, draw conclusions, and complete their final thesis. EDL 691 is considered the culmination of the Certificate of Advanced Studies program.

Distribution: Leadership/Literacy. Prerequisite: Take EDL690.

EDL 695 - Technology & Information Management (3.00 Credit(s))

Designed for candidates to investigate, examine, synthesize, and present their findings regarding the two major applications of computer technology in PK-12 school districts. The application areas are administrative and curriculum and instruction. Individual and team assignments and group discussions provide a platform for developing and constructing understanding of these applications. A working knowledge of the basic Microsoft Office Suite (Word, Excel, and PowerPoint) is beneficial to successful participation.

Distribution: Leadership/Literacy.

EDL 696 - Administrative Internship I (3.00 Credit(s))

This 250-hour administrative internship requirement prepares future administrators with the opportunity to relate theory and practice in administration. Under the direct supervision of a practicing administrative mentor, the program is coordinated and supervised by a Sacred Heart University supervisor. This requirement is an essential component of the 092 program. The internship is normally arranged after the candidate has completed 6 credits of the program.

Distribution: Leadership/Literacy. Prerequisite: Pre: 2 EDL courses.

EDL 697 - Administrative Internship II (3.00 Credit(s))

This 120-hour administrative internship requirement prepares current and future administrators by providing an opportunity to relate theory and practice in administration. Under the direct supervision of a practicing administrator mentor, the program is coordinated and supervised by a Sacred Heart University supervisor.

Distribution: Leadership/Literacy.

EDL 698 - Administrative Practicum (3.00 Credit(s))

Distribution: Leadership/Literacy.

EDL 699 - Special Topics (3.00-6.00)

Distribution: Leadership/Literacy.

- EDL 930 Leading School Systems for Improved Student Learning

This course is the first in the sequence leading to eligibility for the 093 Superintendent of Schools certification. It includes an overview of the major responsibilities of the position of superintendent of schools. Candidates develop a Mission, Vision and Theory of Action for district leadership. They use data and educational research to prepare a long-range District Improvement Plan, including implementation, assessment, accountability and coherence with school and departmental improvement plans. A theme throughout this course and those that follow is an emphasis on the legal, moral and ethical considerations of each issue.

- EDL 931 Effective Utilization of the Human and Financial Resources
This course, the second in the Superintendent Certification Program, enables candidates to learn the basic concepts of human resource management and financial management of a school district to support the improvement of achievement for all students. Candidates learn and apply best practices in recruitment, selection, orientation, professional learning and evaluation of educational personnel as well as a collaborative and comprehensive approach to budget development that results in an equitable distribution of resources to improve student learning.

- **EDL 932 Leading Core Operations of a School System**

In this third course in the Superintendent Certification Program, candidates learn how to plan, manage and improve all major aspects of school district operations. These include emergency management, school facilities, construction projects, technology, transportation, complaint resolution, the Freedom of Information Act, Special Education processes, and others. Through the study of best practices and data collection, candidates learn to assess and improve the effectiveness of the core functions of a school district.

- **EDL 933 Effective Policy Governance and Community Involvement**

This course teaches candidates about Superintendent/School Board relationships, developing effective communication and partnership with the community at large, and how to develop and implement policies that will further the Mission of the school district. Candidates also learn about the impact of critical state and federal education policies on local school districts.

- **EDL 934 Internship**

This course provides the candidate with an immersion experience with an experienced and successful superintendent of schools. For most of the internship, the candidate works in a district other than his/her own, although the final project for this course is a Capstone that seeks to solve a critical district-wide instructional issue in the candidate’s home district. Within the framework of the Leadership Standards, candidates may customize the internship experience to fill gaps in their knowledge and skill set. This course is three credits and runs through both fall and spring semesters to give the candidate the full breadth of experience throughout a superintendent’s work year. The internship spans a minimum of 125 hours in the mentor superintendent’s district and 100 hours in the intern’s home district (completing the Capstone).

**EDR - Reading and Language Arts**

**EDR 505 - Early Reading & Language Arts Success(PK-3) (3.00 Credit(s))**

This course examines the fundamentals of a comprehensive literacy program for the diverse learner in today’s classroom, focusing on foundations of reading and the integration of writing, including phonemic awareness, phonics, fluency, vocabulary, comprehension, and the integration of writing. Historical trends provide context for exploration of the grand learning theories that have generated evidence-based instructional strategies for teaching reading.

**EDR 507 - Developmental Reading & Language Arts (4-6) (3.00 Credit(s))**

This course focuses on models, methods, materials, and best practices in teaching reading in the middle grades, with an emphasis on structural analysis, comprehension, fluency, and writing. Examines current issues and trends in literacy and reading instruction.

**EDR 510 - Content Area Reading Instruction (Grades 7-12) (3.00 Credit(s))**

This course teaches candidates about Superintendent/School Board relationships, developing effective communication and partnership with the community at large, and how to develop and implement policies that will further the Mission of the school district. Candidates also learn about the impact of critical state and federal education policies on local school districts.

**EDR 518 - Reading & Language Arts: Balanced Literature (3.00 Credit(s))**

This course examines research-based classroom elementary literacy instruction that meets the needs of diverse learners. Emphasis is on the components of reading instruction, including phonemic awareness, phonics, fluency, vocabulary, and comprehension, contextualized within best practices for explicit and data-based small group instruction. (Available at Griswold campus only.)

**EDR 520 - Methods of Teaching & Evaluation Writing Process (3.00 Credit(s))**

This course examines best practices in writing instruction from pre-K to grade 12.

**EDR 525 - Methods: Teaching Second Language Learners (3.00 Credit(s))**

This course explores the study of language acquisition of students who are English language learners, whose dominant language is one other than English. Students examine the necessary education support that research indicates is necessary to acquire English literacy. Candidates develop and support personal philosophies after studying models.

**EDR 527 - Organization, Administration and Supervision: Reading & Language (3.00 Credit(s))**
This course focuses on the application of theory, research, and best practices in literacy instruction and coaching in the field. Candidates refine the knowledge and skills acquired from previous CLSP courses by practicing the skills of collaboration, coaching teachers in effective literacy instructional practices, designing classroom-embedded professional development, and providing leadership for school-wide change.

Prerequisite: Take EDR-555.

EDR 537 - Process Writing: Middle (3.00 Credit(s))
Distribution: Leadership/Literacy.

EDR 538 - Process Writing: K-12 (3.00 Credit(s))
Candidates study the methods of teaching writing as a process from beginning stages of written expression to more complex development. The writing process is explored in depth and instructional strategies are examined.

Distribution: Leadership/Literacy.

EDR 540 - Advanced Diagnosis & Remediation I (3.00 Credit(s))
This course, designed for candidates who are pursuing reading certification, explores the selection, administration, and interpretation of a variety of criterion and norm-referenced assessments that effectively utilize screening, progress monitoring, diagnostic, outcome measures, and the integration of technology to evaluate student reading performance.

Distribution: Leadership/Literacy.

EDR 541 - Advanced Diagnosis & Remediation II (3.00 Credit(s))
This is the second of two courses that builds on the candidate's understanding of the administration and interpretation of assessment data from multiple sources including screening, diagnostic, progress monitoring, and summative instruments using traditional and online resources. Candidates draw on their understanding of test administration, scoring, and analysis of a variety norm-referenced and criterion referenced assessments in data analysis and interpretation. They collaborate with other teachers, administrators, and resource personnel for examining student data and performance-based assessments.

Distribution: Leadership/Literacy. Prerequisite: Take EDR-555.

EDR 545 - Assessment & Evaluation CT Model (3.00 Credit(s))
Focuses on teacher interpretation of psycho-educational assessment data and grouping for effective instruction to meet the needs of diverse populations. Current tests, as well as protocols for data analysis are examined and discussed. Prerequisite: CLSP candidate.

EDR 550 - Clinical Experience I (3.00 Credit(s))
Candidates assess struggling readers with a variety of reliable and valid instruments, use data-based instruction in developing intervention plans to address the diverse needs of each child, and have opportunities to develop their skills as reading professionals in working with colleagues and communicating with parents. Prerequisite: completion of EDR 540
Prerequisite: TAKE EDR-540.

EDR - Language Arts Practicum (3)
This elective course affords initial certification and MAT candidates the opportunity to tutor a struggling reader under the supervision of SHU faculty or certified personnel. Candidates learn how to administer a variety of informal literacy assessments and design an intervention plan that meets the diverse needs of each student. Working under the direct supervision of trained faculty, candidates acquire first-hand experience in delivering literacy instruction to diverse populations, while engaging in shared self-reflection. Following tutoring sessions, teacher candidates participate in collaborative problem-solving and shared self-reflection to discuss their practice.

Distribution: Leadership/Literacy.

EDR 555 - Clinical Experience II (3.00 Credit(s))
Candidates provide literacy intervention to small groups of children in a public school setting. Includes multiple opportunities for candidates to discuss their practices through collaborative problem-solving and peer coaching. Prerequisite: TAKE EDR-550.

EDR 560 - Children's Literature (3.00 Credit(s))
Examines a variety of genres of children's literature to cultivate students' interest in books and develop methods for incorporating literature into classroom experiences. Criteria for selecting children's books are included. Multicultural literature and the dramatic arts are emphasized.

Distribution: Leadership/Literacy.

EDR 562 - Middle School Literature (3.00 Credit(s))
This course examines early chapter books from the works of local author Patricia Reilly Giff to the Harry Potter phenomena with a focus on the American Library Association awards and links. Motivating students and the development of lifetime reading habits is the major focus of this course.

Distribution: Leadership/Literacy.

EDR 564 - Young Adult Literature (3.00 Credit(s))
Young-adult literature is studied from the perspective of the developmental psychology of adolescents. Traditional and classic literature is presented, as well as contemporary authors and popular fiction. Techniques, motivational strategies, and procedures that result in the development of lifetime reading habits are explored. Participation in the publishing of book reviews through the SHU website and the utilization of technology within classrooms is paramount.

Candidates assess struggling readers with a variety of reliable and valid instruments, use data-based instruction in developing intervention plans to address the diverse needs of each child, and have opportunities to develop their skills as reading professionals in working with colleagues and communicating with parents. Prerequisite: completion of EDR 540
Prerequisite: TAKE EDR-540.

EDR - Language Arts Practicum (3)
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EDR 569 - Structured Literacy (3.00 Credit(s))

This course employs a highly structured sound-by-sound approach for teaching word decoding and spelling, incorporating traditional phonics and Visual-Auditory-Kinesthetic-Tactile (VAKT) methodology, and is particularly effective for struggling students and students who have been identified with dyslexia, or any of a variety of language-based learning disabilities. Participants examine procedures for teaching letters and sounds, utilizing the phonics generalizations to decode regular and irregular spelling patterns, and structures for teaching explicit comprehension.

EDR 650 - Reading Interventions (3.00 Credit(s))

Designed to reflect the most current reading research in meeting the diverse needs of students who require intensive intervention, this course begins with an emphasis on current legislation and moves into a model for the implementation of best practices.

EDR 615 - Grant Writing (3.00 Credit(s))

Assists students in developing the knowledge and skills necessary for effective grant-seeking activity in both public and private sectors. Priority is supporting remediation for underserved populations in priority school districts. The culminating product is a grant application prepared for submission.

EDR 620 - Special Topics In Technology K-6 (3.00 Credit(s))

This course examines the processes, programs, and accomplishments of technology in the classroom, featuring a special focus on computer-generated reading instruction and record keeping.

EDR 621 - Special Topics in Technology 7-12 (3.00 Credit(s))

Distribution: Leadership/Literacy.

EDR 690 - Practicum: Teaching Fellowship-Staff Development (3.00 Credit(s))

Candidates in the Certificate of Advanced Studies undertake this teaching practicum for the opportunity to practice working with colleagues to gain expertise in providing consultation and coaching to colleagues under the mentorship of experienced faculty. The practicum is completed in a faculty member's course where the faculty member remains the primary instructor for the course. In each instance, evidence is provided to document in-class instruction and a range of supervisory and reflective experiences.

EDR 691 - Practicum In Consulting (3.00 Credit(s))

This is the first of two courses in which candidates analyze district and school student-performance data and conduct a review of literature in preparation for the design of a professional development plan that addresses an area of need in literacy. The plan is presented to faculty and colleagues for critique and formative feedback as part of an individual capstone project that is completed in EDR 692.

Prerequisite: Take EDR-555;

EDR 692 - Applied Reading & Language Arts Research (3.00 Credit(s))

Candidates have the opportunity to implement the proposal that was designed in EDR 691. Candidates conduct a literacy based, multimedia presentation within the school or district and present it at SHU's annual literacy conference.

Distribution: Leadership/Literacy. Prerequisite: Take EDR-691.

EDR 698 - Reading Instruction (3.00 Credit(s))

Distribution: Leadership/Literacy.

EDR 699 - Literacy Textbook Instruction (3.00 Credit(s))

Distribution: Leadership/Literacy.

EDS - Special Education Courses

EDS 572 - Identification & Evaluation of Students with Disabilities (3.00 Credit(s))

This course covers assessment concepts and processes including legal, referral, evaluation, and eligibility, as well as assessment for instructional decision-making. Identifying and assessing any student is a complex process mediated by state and federal guidelines, individual rights, cultural issues, and school resources. Assessments emphasize developmentally appropriate education advanced through a holistic, strengthbased picture of all learners, including those with disabilities and those from culturally/linguistically diverse backgrounds. Special attention will be placed on working with students who have English language learning needs. Assessments for the course are designed to use relevant assessment data to develop an appropriate Individualized Education Program (IEP). Candidates select and administer both formal and informal assessment tools that are appropriate and exceptionality specific. Candidates also consider the role of the parent or caregiver in assessment and collaboration. Candidates investigate the transition from birth to three (IDEA Part C) to the PK-12 education system.
EDS 573 - Program and Educational Planning for Student with Disabilities (3.00 Credit(s))

This course addresses requisite knowledge and skills to plan, implement, and evaluate individualized programs for students with disabilities. Emphasis is on teaching and supporting students within regular classes and typical school activities. Representative topics include learning characteristics of students with severe disabilities, program planning and IEP development, assessment and instructional planning in foundation skills for typical routines, communication, assistive technology, supporting participation in the general education curriculum, social skills, and facilitating peer relationships. Candidates investigate current trends and guiding principles of quality programs, as well as special educator roles and responsibilities. Candidates prepare for conducting IEP meetings and monitoring progress.

Distribution: Leadership/Literacy. Prerequisite: Take EDS-572 and EDS-573 and EDS-574.

EDS 582 - Special Education Practicum I (6.00 Credit(s))

This practicum accompanies EDS 581 Special Education Seminar I. The full-time placement for six weeks involves practical training in and hands-on experience with special education and related services. The practicum experience permits an in-depth focus on one disability category.

Distribution: Leadership/Literacy.

EDS 583 - Special Education Seminar II (3.00 Credit(s))

This seminar focuses on collaboration, co-taught classrooms, and other inclusive practices. The seminar explores characteristics of disability deficits across IDEA classification areas. Seminar sessions help the candidate process, synthesize, and reflect on work in the classroom/school setting. Candidates share experiences and ask for critiques on work samples from peers and the professor. Guest speakers range from parents/parent advocates to administrators.

Distribution: Leadership/Literacy. Prerequisite: Take EDS-572 and EDS-573 and EDS-574.

EDS 584 - Special Education: Practicum II (6.00 Credit(s))

This full-time, six-week summer practicum placement focuses on a second disability category while enabling the candidate to act as a collaborative co-teacher in a special education environment. Candidates participate fully in IEP development, monitoring, and planning, as well as attend IEP meetings. These experiences afford the opportunity to work with a multidisciplinary team to meet the concerns and needs of children and youth with disabilities. Candidates also work on daily communication skills and collaborative techniques with families leading to development of a parent engagement plan. The practicum supports candidates to address unit, state, and Council for Exceptional Children standards.

Distribution: Leadership/Literacy. Prerequisite: TAKE EDS-572 AND EDS-573 AND EDS-574.

EDS 680 - Education Of Students With ASD (3.00 Credit(s))

Distribution: Leadership/Literacy.

EX - Exercise Science and Nutrition

EX 401 - Advanced Applied Physiology (4)

This course provides an in-depth overview of work physiology, including cellular respiration, ventilation, cardiovascular dynamics, muscle physiology, the endocrine system, environmental aspects of exercise, and the anthropometric, histologic, and biochemical adaptive response to physical training. The processes of the gastrointestinal tract will be explored as well.

EX 403 - Research Methods (4)

This course provides an introduction to the fundamental concepts of research design, measurement, statistical analysis, and scientific inquiry as these concepts apply to understanding and evaluating published research. Upon completion of this course, students should be able to make informed decisions about the relevance of published research to their own practice and research.

EX 404 - Nutrition & Chronic Disease Prevention (3)

This course will investigate the dietary influences on prominent chronic diseases (e.g., cardiovascular disease, cancer, neurodegenerative diseases, osteoporosis). Additional emphases will be placed on understanding disease mechanisms, developing a wide spectrum of food knowledge in order to not provide rigid
diets, functional foods, and analyzing various types and fundamental flaws of nutrition research.

**EX 411 - Professional Seminar (2)**
This course addresses professionally oriented activities associated with presentation and publication that is peer reviewed or community oriented such as presenting at conferences and administering health-related programming. This course collaborates with the Life and Sport Analysis Clinic/SHU Wellness program.

**EX 412 - Functional Anatomy (4)**
This course provides a review of human anatomy and movements. Both computer-based simulations and the cadaver lab will be utilized.

**EX 413 - Healthcare in the U.S. (1)**
This course provides an introduction to the U.S. healthcare system, orienting students to its overall structure, functions, and processes. Strengths and weaknesses of the current healthcare environment will be discussed. The U.S. healthcare system will be compared to other healthcare systems around the world. Students will be encouraged to consider strategies for improving access to quality healthcare for all Americans.

**EX 414 - Exercise Prescription for Endurance Athletes (2)**
This course covers advanced concepts in exercise prescription for endurance athletes. Consideration for special-case athletes, such as the diabetic or overweight athlete, will also be explored.

**EX 415 - Fundamentals of Movement Screening (1)**
This course will expose students to various movement screens that are used in the movement sciences for injury prediction and return to play decisions. This course will explore the validity and reliability of these screens along with proper procedures for testing and evaluation of results. This course will also expose the student to basic corrective approaches to dysfunction identified through the movement screening process.

Distribution: Exercise Science. Offered: Spring Semester All Years.

**EX 416 - Applied Pharmacology in Exercise Science (2)**
This course is designed to provide the student with an understanding of the mechanism by which drugs alter the living cell as it relates to the physiological manifestation of disease. Beginning with an overview of concepts such as general pharmacology, pharmacokinetics, and pharmacodynamics, this course will build to apply these general principles to disease states relevant to the Exercise Science Professional. Upon completion of this course, the student will have a strong understanding of drug therapeutics relevant to clinical situations and specific patient populations.

Distribution: Exercise Science. Offered: Spring Semester All Years.

**EX 521 - Advanced Clinical Testing & Prescription I (3)**
Clinically and field-based assessment tests of neuromuscular fitness and function used prior to exercise prescription and for use in outcomes data collection are reviewed. Physical assessment tests such as functional, assessments of activities of daily living, strength, power, and flexibility tests will be examined. Chronic disease-specific assessments involving analog scales and questionnaires will be practiced.

**EX 522 - Physical Activity & Behavioral Science (3)**
Using an ecological approach, theories and studies relative to lifestyle and behavior modification are examined. Best practices for promoting physical activity in communities will be reviewed. Changing physical activity behavior among special populations (e.g., children, older adults, minority populations) will also be examined.

**EX 523 - Clinical Nutrition (3)**
The focus of this course includes theories and mechanisms of obesity as well as the efficacy of dietary treatments. Nutritional challenges related to special populations (e.g., children, elderly, pregnant) and selected nutrient deficiencies will be addressed, as well as the efficacy and safety of herbal supplements.

**EX 524 - Advanced Clinical Testing & Prescription II (4)**
Clinically and field-based assessment tests of cardiovascular fitness, pulmonary function, and metabolic or immune disorders used prior to exercise prescription and for use in outcomes data collection are reviewed. Clinical diagnostic tests such as EKGs, blood lipids, and stress tests will be examined as well chronic disease-specific assessments including analog scales and questionnaires.

**EX 531 - Nutrition & Performance (3)**
This course studies the effects of acute and chronic exercise on nutrient requirements and fluid needs. Macronutrient metabolism, the influence of nutrient timing, and the ergogenic efficacy of dietary supplements receive substantial attention.

**EX 532 - Coaching Methods (3)**
This course investigates effective coaching methods from a physiologic, psychological, and administrative framework. Students will be guided through an analysis of contemporary research and critical evaluation of current practices resulting in the development of an applied personal coaching methodology. In the process, this course addresses the promotion of interpersonal skills and the understanding of individual differences as they relate to human performance.

**EX 533 - Advanced Concepts in Strength & Conditioning (4)**
This course examines advanced concepts, theory, controversies, and techniques utilized in strength and conditioning program design. Validity and reliability of common performance tests and training techniques will be explored. The laboratory portion of the course will include performance test administration as well as program design and technique instruction.

**EX 534 - Applied Biomechanics (3)**
This course provides a thorough evaluation of the mechanical basis of human movement. Fundamental mechanical principles affecting human movement during locomotion and a variety of daily activities are considered. Techniques and methods of mechanics, quantitative video analysis, isometric and isokinetic muscle force, electromyography, and research evaluation are incorporated into laboratory projects.

**EX 560 - Thesis Preparation (3)**

Issues in research design and statistical analysis within the context of a proposed thesis are explored. A prospectus including a full review of literature and study design will be the end product of the course. Receiving a grade in the course will be contingent upon submitting an IRB application.

**EX 561 - Thesis Completion (3)**

Data collection and analysis will be performed, culminating in the results and discussion sections of the thesis.

**EX 562 - Clinical Graduate Project I (3)**

The graduate project includes initiation or continuation of 500 clinical hours in a clinical exercise setting and preparation for track-specific certification exams. The supporting online course specifically addresses best practice via review of research, position stands, and anecdotal clinical experiences among students and faculty during the semester.

**EX 563 - Clinical Graduate Project II (3)**

This continuation of the graduate project includes completion of clinical hours and continued preparation for track-specific certification exams. The supporting course provides an overview of the hospital environment and allied health professions and includes projects associated with attendance at a related professional meeting selected by the student.

**EX 564 - Performance Graduate Project I (3)**

The graduate project includes initiation or continuation of 500 hours in a performance-oriented setting(s) and preparation for track-specific certification exams. The supporting course focuses on organization and administration issues within the context of an exercise facility. Facility and personnel management, safety issues, and finance will be discussed.

**EX 565 - Performance Graduate Project II (3)**

This continuation of the graduate project includes completion of internship hours and continued preparation for track-specific certification exams. This course will provide continued exploration of periodization and program design with a primary focus on controversies within the strength and conditioning field.

**FN - Finance**

**FN 661 - Global Financial Markets & Institutions (3)**

This course analyzes modern financial markets from the risk/management and risk measurement perspective. Presents overviews of key theories and recent developments in international securities markets. Emphasis is on managing risk on the balance sheet at various financial institutions. Implications of monetary policy decisions by international monetary authorities are also examined.

Prerequisite: WGB 603 Financial Management.

**FN 662 - Corporate Finance (3)**

This course examines corporate finance topics including working capital management, financial analysis, leverage, capital structure, capital budgeting, and valuation. Emphasis is on creating financial models to analyze issues.

Prerequisite: WGB 603 Financial Management.

**FN 663 - Global Investments (3)**

This course describes the various theories of investments, the limitations of those theories, and the various types of investments available to individual and institutional investors globally, together with their potential returns and risks. The range of alternative investments is covered as well as newer ways of trading securities (e.g., high frequency trading, front running, and dark pools). Students are also required to establish and track three separate portfolios and write a research paper on an ethical aspect of the securities market.

Prerequisite: WGB 603 Financial Management.

**FN 665 - International Financial Management (3)**

This course features a study of financial management concepts and techniques applied to international operations. Topics include foreign currency spot and forward trading, exchange rate systems and determination, country risk assessment, taxation and regulatory issues of non-U.S. markets, and sources and uses of funds for multinational corporations.

Prerequisite: WGB 603 Financial Management.

**FN 668 - Portfolio Management (3)**

This course develops the student's ability to evaluate securities in the context of a portfolio. Topics include: portfolio construction rules based on risk and return goals, valuation measures, and risk-reduction techniques using derivative products.

Prerequisite: WGB 603 Financial Management and FN 663 Global Investments.

**FN 669 - Alternative Investments (3)**

This course examines financial concepts applied to current issues in finance such as risk management products and techniques.

Prerequisite: WGB 603 Financial Management.

**FN 670 - Mergers, Acquisitions, & Joint Ventures (3)**
Examines the role of each of these strategies as part of the whole restructuring process faced by corporations in their attempt to compete and grow in the United States and abroad. Emphasis is on each method's strategic and financial advantages. Group analysis of cases and computer applications are utilized.

Prerequisite: WGB 603 Financial Management.

**FN 672 - Derivatives & Risk Management (3)**

Featuring an overview of derivative securities and their use in corporate strategy and risk management, this course employs quantitative methods to analyze, design, price, and use derivative instruments in a managerial context. Basic derivative contracts such as forward, futures, options, and swaps are covered, as well as the pricing of these claims, arbitrage, and hedging in these markets. Students apply the analytical models to real-life situations through case studies.

Prerequisite: WGB 603 Financial Management.

**FN 673 - Mathematics for Finance Practitioners (3)**

Risk managers need to have a sound understanding of mathematics and statistics. The course covers important statistical concepts including volatility, regression analysis, and hypothesis testing. Popular models of risk measurement such as Value-at-Risk, factor analysis, Monte Carlo simulations, and stress testing are studied. Functioning of the mathematical/statistical concepts is demonstrated with practical risk management problems (e.g., bond pricing, portfolio credit risk, and optimal hedging).

**FN 674 - Advanced Risk Management (3)**

The complexity of the global financial system makes understanding risk management essential for anyone working or planning to work in the financial sector. As the real economy is also exposed to financial risk, risk management has become more important to non-financial corporates and institutions. Students will become familiar with financial risk assessment and management and the regulations applicable for financial institutions. They will learn how important market participants, such as banks, insurance companies, pension funds, and mutual and hedge funds are looking at risk measurement and management. Risk mitigation strategies are explained. Various risk types such as market risk (interest rate risk, cross-currency risk, etc.), credit risk, operational risk, and systemic risk are covered, and risk management strategies and instruments are analyzed. Recent risk management topics such as counterparty credit risk for derivatives, central clearing, and collateralization will be covered.

**FN 675 - Financial Regulatory Compliance (3)**

This course is designed to enable students to understand the laws, regulations, and reporting requirements necessary for financial firms to do business in the United States. It will also serve as an introduction to a career in compliance.

**FN 699 - Financial Crisis & Risk Management (3)**

Risk management is becoming more important and more complex, while at the same time being viewed by regulators and investors as an essential and integral part of investment governance. The advent of new investment strategies (e.g., hedge funds and private equity) and new investment vehicles (e.g., CDOs and SIVs) has made risk more difficult to measure and manage. This course reviews and assesses various techniques, both quantitative and qualitative, for the measurement and management of risk including how to price credit default swaps, counterparty credit risk, stress testing, and portfolio risk.

**FN 901 - Advanced Corporate Finance (3)**

The purpose of this course is to provide a background for understanding the major research directions in corporate finance. Topics include theory of the firm, capital structure, external financing decisions, payout policy, agency problems, corporate control and governance, investment decisions, and the role of financial institutions in corporate transactions.

Prerequisite: DBF 900 Business Strategy, Ethics, & Research.

**FN 902 - Investment & Asset Pricing (3)**

This course is an advanced treatment of portfolio choice and asset pricing theory. Topics include expected utility maximization, stochastic discount factors, arbitrage, mean-variance analysis, representative investors, and beta-pricing models. Single-period and dynamic models are studied.

Prerequisite: DBF 900 Business Strategy, Ethics, & Research.


Students learn in this lab-based course mathematical statistics along with applications to business decisions. The main topics include: probability, random variables, normal and non-normal distribution, hypothesis testing, linear and non-linear regressions, analysis of variance, and nonparametric statistics. A special emphasis is on cross-sectional, panel, and stochastic analyses of financial data. The course material is particularly useful to professionals who aim at quantitative positions at financial institutions and consulting firms.

Prerequisite: DBF 900 Business Strategy, Ethics, & Research.

**FN 904 - Quantitative Research Methods II (Financial Econometrics) (3)**

This second lab-based quantitative research methods course covers the analytical material comprised within the growing discipline of financial econometrics. The course material encompasses time-series analyses and their applications to financial processes. Students gain foundations of modeling and forecasting key financial variables, including asset prices, returns, interest rates, financial ratios, default, and more. They become familiar with modern, state-of-the-art estimation methods of high-frequency financial data (such as ARCH-class tests, ARMA, Value at Risk models, and impulse response functions).

**FN 905 - Price Theory (3)**
The course overviews key concepts of microeconomic analysis. It is designed for students with a sound quantitative preparation. The material delineates the main theories of the firm, the consumer, and the market. It includes modern analytical techniques of general equilibrium and welfare economics, along with their econometric verification. In addition, it examines basic concepts of the economics of information, including price signaling, moral hazard, and multiple equilibria.

Prerequisite: DBF 900 Business Strategy, Ethics, & Research.

**FN 906 - Global Financial Markets & Institutions (3)**

The course examines equity, fixed income, and derivative markets in the global context. The advanced analytical material focuses on modeling market trends, cycles, and volatility. It examines impact of monetary, fiscal, and regulatory policies on market dynamics. It highlights new research on financial crisis, banking, and credit markets. Major risks faced by financial institutions are thoroughly covered.

Prerequisite: DBF 900 Business Strategy, Ethics, & Research.

**FN 907 - Doctoral Field Seminar I (3)**

This is an advanced seminar examining modern theories and concepts in several sub-fields of finance. These functional areas include: A.) fixed income securities, B.) investments, C.) market microstructure, D.) derivative securities, E.) international finance, and F.) portfolio management. The course normally covers both seminal and recent literature in one, two, or three of these functional areas. The current selection of the specified areas is consistent with the specific expertise of the departmental faculty and may be expanded in the future. The required readings include a set of appropriate seminal research papers from areas covered in a single course. The seminar will conclude with a specific guided research project conducted in an individual financial institution.

Prerequisite: FN 901 Advanced Corporate Finance and FN 902 Investment & Asset Pricing.

**FN 907A/908A - Fixed Income Securities (3)**

The lecture material in this course provides an analysis of various fixed income products and their trading and pricing. Examined are their applications for achieving financial goals including capital formation, interest rate risk management, and portfolio diversification. Topics covered include treasury, agency, corporate, and municipal bonds, floating rate bonds, mortgage-backed securities, term structure modeling, immunization, credit risk management, credit derivatives, and interest rate derivatives including swaps, caps and floors, and swaptions. The lecture material also includes the valuation of fixed income securities, the management and hedging of fixed income portfolios, and the valuation and usage of fixed income derivatives. Some of the contracts analyzed in the course include pure discount bonds, coupon bonds, callable bonds, floating rate notes, interest rate swaps, caps, floors, swaptions, inflation-indexed bonds, and convertible bonds.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 907B/908B - Investments (3)**

The course focuses on risk, return, and the institutional structure of equity, bond, and derivative securities markets. It overviews modern theories of portfolio analysis and performance evaluation, as well as cutting-edge methods employed in managing portfolio choices and asset allocation. Students gain familiarity with analytical methods used in projecting individual stock and bond performance such as discounted cash flows, factor models, value versus growth, and an analysis of factors affecting the risks and returns of individual securities.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 907C/908C - Market Microstructure (3)**

The lecture material in this course reviews the fundamental theories and models of market microstructure such as the inventory model, sequential trading model (e.g., Glosten-Milgrom model, Easley model, O'Hara model), and strategic trading models (e.g., Kyle model) as they apply to markets for equities, currencies, and fixed income securities. The content of the course will also focus on issues related to limit order market, information and price discovery, trading cost and liquidity, and market depth. Using super-high-frequency data, students work with models of the limit-order markets, optimal order execution, optimal order slicing, and maker-versus-taker strategies. Quantitative, technical analyses include stochastic and deterministic trends, momentum, oscillation, arbitrage trading, pair trading, implementation, and methods of back-testing. Students learn to formulate and back-test various trading strategies, developed upon understanding the mechanics of market microstructure.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 907D/908D - Derivatives Securities (3)**

The material in this course covers a comprehensive and in-depth treatment of valuation methods for derivative securities. Extensive use is made of continuous time stochastic processes, stochastic calculus, and martingale methods. The main topics to be addressed include A.) European option valuation, B.) exotic options, C.) multi-asset options, D.) swaps, E.) stochastic volatility, F.) American options, and G.) the role of derivatives in modern financial risk management.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 907E/908E - International Finance (3)**

This course features a comprehensive survey of the structure and dynamics of international financial markets and their linkages to domestic markets. Topics include the global profile of capital movements, the Eurocurrency markets and major money markets, international capital markets including bonds and syndicated credits, and the foreign exchange market. An emphasis will be
placed on the hedging techniques and tools used to reduce the risks associated with international financial markets.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 907F/908F - Portfolio Management (3)**

This course provides an advanced treatment of the theory and practice of modern portfolio management. Topics include quantitative concepts, portfolio analysis, capital asset pricing theory, performance measurement, efficient market hypothesis, portfolio management process, use of derivative securities, ethical and legal considerations, and professional standards. The course will also provide students with a concise introduction to recent results on optimal dynamic consumption-investment problems. Lectures will also cover standard mean-variance theory, dynamic asset allocation, asset-liability management, and lifecycle finance. The focus of this course is to present a financial engineering approach to dynamic asset allocation problems of institutional investors such as pension funds, mutual funds, hedge funds, and sovereign wealth funds. Numerical methods for implementation of asset allocation models will be presented.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 908 - Doctoral Field Seminar II (3)**

A continued advanced seminar examining modern theories and concepts in the functional areas of finance other than those selected in FN 907. As in FN 907, the functional areas include: A.) fixed income securities, B.) investments, C.) market microstructure, D.) derivative securities, E.) international finance, and F.) portfolio management, as well as G.) the custom-designed seminar in European financial stability.

Prerequisite: FN 901 Advanced Corporate Finance and FN 902 Investment & Asset Pricing.

**FN 908G - European Financial Stability (3)**

This DBA field seminar examines trends and the current regulatory framework of European financial markets and institutions. The background material will be covered in introductory classes at WCOB in Fairfield, followed by a visit to Luxembourg where students will take specialized seminars at the SHU Luxembourg campus and visit high-level officials at the European Stability Mechanism, the European Investment Bank, and the European Parliament. A special emphasis is given to proliferation of sovereign risk in the euro area and the future of the euro.

Prerequisite: FN 902 Investment & Asset Pricing, FN 904 Quantitative Research Methods II (Financial Econometrics), and FN 912 Empirical Methods in Finance.

**FN 909 - Research Methods & Dissertation Design in Finance (3)**

The course provides a survey of modern research methodology in the field of finance. The course material focuses on leading models of financial analyses, seminal studies, recent literature, and bibliographical sources. A special emphasis is on writing skills for advanced financial studies. Students learn to formulate motivation and underlying hypotheses; they gain skills for developing advanced analytical models. The course material also emphasizes advanced estimation techniques of financial models. Students learn to test underlying hypotheses and formulate practical policy conclusions.

Prerequisite: FN 901 Advanced Corporate Finance and FN 902 Investment & Asset Pricing.

**FN 910 - Finance Dissertation Research Seminar I (3)**

This seminar features interactive in-class, lab-based instruction leading to formulation of a motivation and hypothesis for a specific finance dissertation project. It concludes with the development of a dissertation proposal.

Prerequisite: Comprehensive Field Examination.

**FN 911 - Finance Dissertation Research Seminar II (6)**

This seminar features in-class, lab-based, and individualized instruction emphasizing empirical testing and articulation of policy applications of a specific analytical model or a set of models utilized in a DBA dissertation.

Prerequisite: FN 910 Finance Dissertation Research Seminar I.

**FN 912 - Empirical Methods in Finance (3)**

This course is an introduction to empirical research in finance, covering the techniques most often used in the analysis and testing of financial economic theory. The course covers both time-series and cross-section methods. Topics include event studies, empirical tests of asset pricing models, forecasting relationships, return predictability in the time-series and cross-section, asset pricing anomalies, and specification and identification issues in corporate finance.

Prerequisite: FN 901 Advanced Corporate Finance.

**FN 913 - Advanced Financial Risk Management (3)**

The course provides a comprehensive overview of various types of financial risk and the techniques employed to manage them. The material covers standard risk identification and measurement models as well as alternative models addressing options and structured credit risks. Real-world complexities of risk modeling are discussed, along with the background on financial innovation, liquidity, leverage, and financial crises.

Prerequisite: FN 912 Empirical Methods in Finance.

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**HINF - Healthcare Informatics**

**HINF 410 - Information Technology Overview (3)**
An overview of technologies that support healthcare information systems. This includes system software, system analysis and design, data management, networks and data communication, information processing distribution schemes, information systems architecture, system standards, and security.

HINF 412 - Introduction to Healthcare & Information Technology (1-3)

Technology is transforming how healthcare is delivered and in the process bringing together disparate groups of people to work together collaboratively. This course will provide an overview of information technology including system analysis and design, data and network management, and information systems architecture and how each directly impacts clinical healthcare personnel. The students will also be introduced to the terminology, practices, and processes found in clinical and business operations. Communication between direct patient care individuals and technology personnel will be explored and appropriate methods fostered.

This course has two areas of focus. Topic I will focus on information technology in healthcare. Topic II will focus on healthcare delivery in the United States.

HINF 415 - Convergence of Healthcare & Information Technology (3)

Technology is transforming how healthcare is delivered and in the process bringing together disparate groups of people to work together collaboratively. This course will provide an overview of information technology including system analysis and design, data and network management, and information systems architecture and how each directly impacts clinical healthcare personnel. The students will also be introduced to the terminology, practices, and processes found in clinical and business operations. Communication between direct patient care individuals and technology personnel will be explored and appropriate methods fostered.

HINF 420 - Introduction to the Language & Culture of Healthcare (3)

Introduction to organization, economic, culture, policy, and terminology of healthcare for non-health professionals. This also introduces the students to fundamental terminology, practices, and processes found in clinical and business operations.

HINF 501 - Foundations in Healthcare Informatics (3)

This course features a high-level overview of healthcare informatics. Overviews of the following topics will be included: administrative and clinical software applications, healthcare systems acquisition, leadership skills, electronic health records, change management and organizational behavior, workflow design and reengineering, communications specific to the information systems leaders, healthcare information exchanges, and evidence-based medicine. A high-level look at the healthcare industry and recent government mandates will also be explored.

Prerequisite: Permission of program director.

HINF 502 - Healthcare Industry & Policy (3)

An in-depth view of the major players such as hospital, insurance, government, pharmaceutical, and support vendors and information systems role will be discussed. Patient safety, medical error, and healthcare quality improvement will be major topics. A portion of this class will deal with current government healthcare policies and mandates (e.g., healthcare reform) and the complexities of application in the current healthcare information systems environment. The class will take an in-depth look at the HIPAA regulations such as entity definitions, information disclosures, and privacy notices. Government mandates that affect privacy, security, and electronic health records will also be discussed.

HINF 503 - Effective Communications (3)

In addition to a formal study of various forms of communications, this course will focus on developing oral and written communication skills needed to educate and influence organizational stakeholders and decision-makers to adopt healthcare information systems. Students will hone their communication skills via simulations, in-class presentations, and case studies. Various management methods via Skype, teleconference, and e-mail will also be practiced.

HINF 504 - Business of Healthcare Information Technology (3)

Introduces the student to the business of healthcare at both an industry and individual business level. Includes department design, management of capital and operating budgets, budget planning process, strategic planning, and concepts necessary for the preparation and interpretation of financial statements. Additionally, the vendor identification and selection process as well as contract management will be discussed as it pertains to the healthcare environment.

Prerequisite: HINF 501.

HINF 505 - Healthcare Operations (3)

Health care organizations face numerous challenges, including rising costs, increasing complexity, and quality issues, all while confronting an increase in demand for limited resources. This course examines the operations of the entire healthcare organization and its management, including the role of strategic planning and governance, clinical and non-clinical support services, quality improvement, environment-of-care and facilities management, personnel and staffing, finance, information technology, and marketing.

Prerequisite: HINF 501.

HINF 550 - Workflow Design & Reengineering (3)

This course introduces process mapping and workflow management. The intricacies of observing, recording, analyzing, and improving processes within the healthcare setting will be discussed and analyzed. Issues arising from the development, dissemination, implementation, and use of health information technologies (information systems, monitoring systems, etc.) on individuals and organizations will be explored. The concepts of usability, learnability, likeability, ergonomic, and universal design of solutions will also be discussed in depth. Social and ethical issues will also be introduced.
Prerequisite: HINF 501.

HINF 552 - Evidence-Based Practice & Clinical Decision Support (3)

A prerequisite to HINF 601

In this course, evidenced-based practice (EBP) qualitative and quantitative methodologies will be analyzed within the scope of the healthcare industry. Topics include identification, interpretation, and evaluation of research information sources, research design, data collection, computer-based data analyses, and privacy and protection of human subjects. Clinical decision support (CDS) technologies, which provide tools for the healthcare providers' decision-making, will be examined and debated. Data warehouses will also be discussed as they relate to facilitating and optimizing the research methodologies.

HINF 600 - Special Topics in Healthcare Informatics (3)

This course represents designated new or occasional courses that may or may not become part of the department's permanent course offerings. Prerequisites are established by the department as appropriate for the specific course.

Prerequisite: Permission of program director.

HINF 601 - Healthcare Information Exchange (3)

This course explores evaluation and management of health information between healthcare facilities, government agencies, and consumer health records (PHR) including issues, standards, technologies, and system configurations. Electronic health records will be covered conceptually to understand their impact on HIEs. Technical components (data exchanges, interoperability, data mining, and warehouse) as well as policy issues will be discussed and debated. Privacy and security aspects regarding electronic health information exchange will be explored. Current legal requirements driving policies and procedures as well as business and best practices regarding the creation, storage, processing, access, auditing, and utilization of clinical data will be explored.

Prerequisite: HINF 502 and HINF 552.

HINF 602 - Clinical & Business Intelligence (3)

Utilization and leveraging of healthcare data can drive improvements in our nation's entire healthcare system as well as in the medical and economic wellness of patients through sharing practical guidance and unbiased information on how to harness these healthcare data and facilitating problem-solving, solution sharing, and education through the collection and analyzing of healthcare data.

Prerequisite: HINF 501.

HINF 610 - Electronic Health Records (3)

This course is designed to provide an understanding of specific skills required to collect and maintain electronic health data in our current technical and political environment. Examines overviews and issues specific to various types of hospital systems, methods used to interface between systems, and operational issues typical of hospital systems. The course also includes a study of controlled medical vocabularies typically used to define various types of health data as well as a survey of existing and evolving government-driven standards and regulations.

Prerequisite: HINF 500.

HINF 611 - Project Management (3)

This course serves as an introduction to managing healthcare information projects, including the development of the project charter and scope with emphasis on developing the competencies and skills required to successfully lead teams of technical, clinical, and professional specialists through workflow and work process redesign activities within a healthcare organization or system. Topics also include project initiating, planning and development, project management tools, budgeting, human resource management, project monitoring, and controlling and project closure. Advanced-level skills in using PM methodologies to create realistic project plans, schedule tasks and resources effectively, appropriately communicate with all stakeholders, and derive meaningful milestone deliverables to track and report progress for both simple and complex projects.

Prerequisite: HINF 503 and HINF 501.

HINF 612 - Emerging Technologies (3)

The concepts and latest progress on emerging technologies such as health exchanges, biometrics, wireless, mobile, and web technologies will be discussed. Biomedical technologies will also be explored. Examines trends and drivers of innovation both generally and in healthcare and how emerging technologies are adapted and evaluated. Introduces how emerging technologies are applied to improve health records, computerized provider order entry (CPOE) systems, regional health information organizations, personal health records, telemedicine, new imaging systems, robotic surgery, pharmacogenomics, and national-level biosurveillance.

Prerequisite: HINF 550.

HINF 613 - Legal Aspects of Healthcare Information Technology (3)

This course explores the extent to which law can implement or facilitate sound healthcare policy. The course will cover the following major areas: employment and contract law, patient rights (e.g., provider disclosure), healthcare accountability (e.g., medical error liability), and healthcare access (e.g., universal coverage). Particular attention will be paid to the balancing act between the patient's desires for available information over the Internet with IT security that ensures patient privacy. Topics such as informed consent, electronic records over the Internet, remote patient monitoring, and wireless technology privacy concerns will also be discussed.

Prerequisite: HINF 501 and HINF 502.

HINF 614 - Strategic Application of Information Technology in Healthcare (3)
This course examines the strategic application of information technology in healthcare organizations. The course focuses on the challenges facing the healthcare informatics administration with respect to organizational structure, alignment with enterprise strategy, portfolio management, and regulatory compliance. In addition the course looks at how the application of IT can transform healthcare delivery in the current environment.

**HINF 615 - Population Health (3)**

Population health focuses on the health and well-being of entire populations. Populations may be geographically defined, such as neighborhoods, states, or countries, or may be based on groups of individuals who share common characteristics such as age, gender, race-ethnicity, disease status, employee group membership, or socioeconomic status. With roots in epidemiology, public health, and demography, a key component of population health is the focus on the social determinants of health and "upstream" collaborative interventions to improve population health and variance identify and reduce health disparities and reduce healthcare costs. Given the shifting health care environment-from fee-for-service to value-based care-health administrators and managers who are able to apply epidemiological and demographic tools to measure analyze evaluate and improve population health will be well positioned for positions in healthcare as the field continues to evolve.

**HINF 616 - Consumer Health Informatics & Technologies (3)**

Consumer health informatics (CHI) is rapidly expanding and aims to give individual health care consumers, their families, and communities the information and tools that they need to become more engaged in their health and health care. In this course, students become familiar with a range of CHI applications, including the needs/problems that the applications address, their theoretical bases, their technical architectures, and relevant evaluation results. Students acquire an ability to evaluate existing applications intended to help individuals adopt and maintain health-protective behaviors and to generate theory-informed design and implementation strategies for CHI applications.

**HINF 621 - Database Design (Oracle) (3)**

Prerequisite: Granted Permission of program director. Crosslisted as: CS 603.

**HINF 622 - Information Analysis & System Design (3)**

This course discusses the design, analysis, and management of information systems: system lifecycle management, hardware and software selection and evaluation, the role of information systems in decision support and other functional areas of business, project management, systems development and analysis, module design, and techniques to reduce system complexity.

Prerequisite: Permission of program director.

**HINF 625 - Field Experience I (3)**

This field experience/internship is a practical learning experience arranged with a variety of healthcare organizations to provide a supervised short-term educational experience for students in the Healthcare Informatics program. An internship allows a student to develop professionally through a work experience under the guidance of leaders in the fields of healthcare informatics and healthcare information technology. As an extension of the curriculum, the internship experience affords the student an opportunity to apply her/his theoretical knowledge and technical skills in a practical manner gaining valuable training, which will better enable her/him to perform with a higher level of skill and confidence. Required for full-time students.

**HINF 626 - Field Experience II (3)**

This field experience/internship is a practical learning experience and is a continuation of HINF 625. Arranged with a variety of healthcare organizations, it provides a supervised educational experience for students in the Healthcare Informatics program. An internship allows a student to develop professionally through a work experience under the guidance of leaders in the fields of healthcare informatics and healthcare information technology. As an extension of the curriculum, the internship experience affords the student an opportunity to apply his/her theoretical knowledge and technical skills in a practical manner gaining valuable training, which will better enable him/her to perform with a higher level of skill and confidence.

Prerequisite: HINF 625 Field Experience I.

**HINF 660 - Capstone Project (3)**

The capstone project involves practical work and research in a major area of healthcare information systems through student-led projects. This course provides an opportunity to integrate knowledge gained in the classroom with a real-world problem. All projects require a weekly seminar and are guided by faculty members who serve as mentors. Projects may be completed on-site within a healthcare facility. Students who currently work in the healthcare industry may develop a capstone at their current place of employment with the approval of the employer. Capstone will be taken as one of the last two courses in the students' program of study, after students have successfully completed the required core courses.

**HR - Human Resource Management**

**HR 605 - Analytics, Metrics, & Problem-Solving for HR Professionals (3)**

This course is designed to give students a basic understanding of analytics and metrics that are frequently used in the human resources field. A primary objective of the course is to teach students how to use statistics to make data-driven decisions regarding workplace issues as well as strategic human resource issues. Additionally, coursework will focus on developing students into informed consumers of statistical information and developing skills to manage analytical vendors. The course will include hands-on experience conducting statistical analyses using basic univariate, bivariate, and multivariate statistics and basic modeling skills to solve common problems in the HR field. Focus will be placed on interpretation of data and implementing decisions that are data driven.

**HR 607 - Introduction to Human Resource Management (3)**
This course features in-depth exploration of the contemporary human resources function and the fundamental human resources processes. The course provides an introduction to the key areas in human resources and the issues confronting organizations today. Particular emphasis is placed on recruitment and selection, training and development, performance evaluation systems, and compensation and benefits.

**HR 610 - Performance Management (3)**

This course examines systems and processes for evaluation and improvement of employees' performance. Systematic and organizational processes for setting performance standards, monitoring, documenting, and evaluating performance will be reviewed. Performance improvement interventions will also be evaluated. Particular attention will be placed upon performance as a strategic issue and application in the students' work environment. Current best practices will be considered in the discussion.

Prerequisite: HR 607 Introduction to Human Resource Management.

**HR 611 - Workforce Management & Talent Development (3)**

In an effort to be competitive, organizations of all types must efficiently manage their workforce in order to achieve organizational goals. Human resource professionals need to understand how to manage an organization's human capital needs including workforce planning and forecasting, training and leadership development, succession planning, globalization and diversity of workforce, outsourcing/rightsizing, and the contribution of human capital to organizational development. This course will focus on how organizations can best manage and develop their workforce in order to achieve short-term and long-term organizational goals.

Prerequisite: HR 607 Introduction to Human Resource Management.

**HR 612 - Strategic Human Resources (3)**

The strategic impact that HR leaders have on their organizations has never been more important given the value of human capital and our changing world economy. It is critical for HR leaders to maintain their competitive edge and bring broad business skill sets to their role. The focus of the class will be the development of critical thinking, strategic planning, and business strategy skills, and the implementation of those processes within the HR organization.

Prerequisite: HR 610 Performance Management and HR 611 Workforce Management & Talent Development.

**HR 613 - Diversity & Inclusion (3)**

Diversity in the workforce is a critical issue for all organizations. As organizations become more global in nature, an organization's workforce becomes more ethnically and culturally diverse. This course will explore the strategic issues with managing, motivating, and engaging diverse workforces to meet organizational objectives. Particular emphasis will be placed on developing cultures of inclusion for all members of an organization's workforce.

Prerequisite: BU 636 Legal Issues in Human Resources.

**HR 615 - Finance for HR Managers (3)**

Fundamental education in the use of financial statements and financial management increases business credibility within the organization. This course provides an introduction to the basic financial statements (balance sheet, cash flow, and income statement) from an end user's perspective, not a detailed accounting perspective. Topics within financial management will include analysis of firm performance and techniques to assess new business opportunities.

**HR 620 - Personnel Psychology (3)**

This course examines the application of psychological research, employment law, and ethical principles to human resource problems in organizations. It focuses on applications designed to make employees and organizations more effective and create organizations that are satisfying places to work. Particular attention is given to hiring practices, including recruitment, screening, and selection; training and development; and performance evaluation.

**HR 631 - Managing a Global Workforce (3)**

This course focuses on helping the student develop an international perspective of the human resource management (HRM) function. Students will examine the unique demands of global firms and their consequential impact on strategic human resource management issues. Specific focus will be on the role of culture and differences in attitudes in requiring both a localization of practices in different countries/regions and a global integration of business practices across the organization.

**HR 632 - Compensation (3)**

An effective compensation program is foundational in building a successful HR function. While their on many factors that impact the effectiveness of HR, a strong compensation program can make a big difference. This class will cover compensation from the most basic level to some of the more advanced facets including building a compensation structure, determining fair market value for a job, creating variable compensation programs that drive performance and how to compensate executives. At the end of this course, you will have a strong and general understanding of how to manage compensation in an organization.

Distribution: Management. Offered: Spring Semester Odd Years.

**HR 633 - Human Resources Consulting (3)**

Senior leadership in most organizations consistently tries to improve efficiency and performance and satisfy needs on a regular basis by retaining consultants. This course is designed to engage students on how to be a successful human resources/organizational development consultant. The focus will be on: analyzing, consulting as a profession; examining consulting as a business; developing and implementing consulting methodologies; employing tools and measurement approaches for consulting; and defining and sustaining success. Students will be required to work independently and in teams concentrating on application, engagement, analysis and thought leadership.
This course focuses on how different aspects of an organization can affect employee engagement. In this course, we will take an in-depth look at the practices and systems within the workplace that can impact engagement. By the end of the course, students should demonstrate an understanding of the different theories of motivation and engagement. The ultimate goal of this course is for students to understand what factors increase or decrease an employee's engagement and how to effectively use this knowledge to maximize the efficiency of an organization.

Distribution: Human Resources. Offered: Spring Semester All Years.

HR 638 - Compensation & Benefits (3)
Compensation and benefits is the cornerstone of many human resource strategic plans. This course will give students an in-depth understanding of the design and implementation of compensation and benefit systems. Topics covered will include pay for performance systems, compensation equity across global locations, integrating compensation systems and performance systems, executive compensation, and team-based performance systems.

HR 689 - Capstone & Applied Research Project (3)
This course is the final required course in the program. Students should have successfully completed all required courses before enrolling in this course. Students will develop a project plan or research proposal for their final project in this class. The course will cover acceptable project ideas, problem statements, literature reviews, research and project evaluation methodologies, and project plans. Each student is required to complete a proposal ready for consideration of review and approvals.

Prerequisite: Completion of core or permission of program director of MSHRM.

HR 690 - Internships (3)
Distribution: Human Resources. Offered: As Needed Contact Department.

HR 695 - Independent Study (3)
Distribution: Human Resources. Offered: As Needed Contact Department.

HR 699 - Internship (3)

MFIM - Masters Finance and Investment Management

MFIM 600 - Calculus & Linear Algebra (3)
This course reviews the basics of mathematics in preparation for advanced courses in the MFIM program. Topics include multivariate calculus, optimization, integration, differential equations (ODEs and PDEs), linear algebra, and matrix operation.

MFIM 601 - Probability & Statistics (3)
This graduate-level treatment of the theory of probability and mathematical statistics includes probability spaces and finite counting techniques, random variables and distribution functions, density, mass functions, and expectation. The course also examines the standard random variables, multivariate distributions, functions and sums of random variables, limit theorems (weak and strong law of large numbers and the central limit theorem), theory of estimators, maximum likelihood techniques, theory of estimation, hypothesis testing theory, decision analysis, and Bayesian methods.

MFIM 602 - Financial Management (3)
The course is intended to provide an understanding of the role of modern financial theory in investment management and to present a framework for addressing current issues in the management of financial assets. Topics to be covered include time value of money, stock and bond valuation, project and firm valuations, risk and return measures, portfolio management, basic CAPM and APT, diversification, and hedging.

MFIM 636 - Quantitative Finance I (3)
This course introduces advanced methodological tools required to do research in finance and investment analysis. Topics include basic theory of statistical inference with linear models, general linear models, Heteroskedasticity models, time series models, analysis of variance, discriminate analysis, factor analysis, and non-parametric tests. Emphasizes modern portfolio theory. This course will also cover asset pricing models (preferences, utility functions, risk aversion, basic consumption model, the mean-variance frontier, factor models, and robust preferences) and options pricing and risk management (arbitrage pricing in a complete market, delta-hedging, risk measure, and Value at Risk).

Prerequisite: MFIM 601 Probability & Statistics and MFIM 602 Financial Management.

MFIM 638 - Financial Analysis & Firm Valuation (3)
This course focuses on fundamental analysis and firm valuation. The knowledge and skills required for financial analysis of firms reporting under U.S. GAAP and IFRS are introduced first, followed by techniques for fundamental analysis of an industry and a firm. Techniques to value the enterprise and equity are emphasized with focus on mature firms in developed markets, followed by financial institution, emerging market, and private equity applications.
Participants will gain proficiency in spreadsheet analysis, financial models for integrated financial forecast, and valuation. Attention to developing the communication skills needed to effectively communicate the analysis is embedded through cases and presentations. Technology and data, heavy use of Excel, and Bloomberg will be required.

Prerequisite: MFIM 602 Financial Management.

MFIM 639 - Business Economics (3)

This course features concepts and analytical techniques from micro- and macro-economics including market structures, fiscal and monetary policy, international trade, international financial markets, spot and forward exchange rates, interest rate parity, and purchasing power parity.

MFIM 640 - Investment Management (3)

The course is intended to provide an understanding of the role of modern financial theory in portfolio management and to present a framework for addressing current issues in the management of financial assets. Topics to be covered during the semester include trading, valuation, active portfolio management, asset allocation, global diversification, performance measurement, financial derivatives, and fixed income securities.

Prerequisite: MFIM 602 Financial Management.

MFIM 641 - Quantitative Finance II (3)

The course has an emphasis on applications rather than statistical theory, and thus builds on Quantitative Finance I by emphasizing the use of financial data to conduct applied analysis. The aim of the course is to equip students with a working knowledge of important econometric techniques used in financial economics, such as event study, advanced time series analysis, and survival analysis. Substantial emphasis will be placed on the development of programming skills in computer program. The emphasis is on understanding and learning how to apply the econometric tools used by academics and practitioners working in these areas. The course will be helpful for anyone interested in pursuing a graduate degree in a quantitative field, but equally helpful for students interested in working at research institutions or financial institutions.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

MFIM 642 - Advanced Derivatives & Risk Management (3)

The course emphasizes modern methods of risk management. Lectures cover risk measurement and estimation, management, control, and monitoring of risk positions. The impact of risk management tools such as derivative securities will be examined. Regulatory constraints and their impact on risk management will also be assessed. This course also provides a comprehensive and in-depth treatment of valuation methods for derivative securities. Extensive use is made of continuous time stochastic processes, stochastic calculus, and martingale methods. The main topics to be addressed include A.) European option valuation, B.) exotic options, C.) stochastic interest rate, D.) stochastic volatility, E.) American options, and F.) some numerical methods such as Monte Carlo simulations. Additional topics may be covered depending on time constraints.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

MFIM 644 - Fixed Income Securities & Markets (3)

This course features analyses of U.S. and foreign fixed income markets and describes the various products, where and how they are traded, how they are priced, and how they are used to achieve a variety of financial goals including capital formation, interest rate risk management, and portfolio diversification. Topics covered include treasury, agency, corporate, and municipal bonds; floating rate bonds; mortgage-backed securities; term structure modeling; immunization; credit risk management; credit derivatives; and interest rate derivatives including swaps, caps and floors, and swaptions. The course also provides an introduction to the valuation of fixed income securities, the management and hedging of fixed income portfolios, and the valuation and usage of fixed income derivatives. Some of the contracts analyzed in the course include pure discount bonds, coupon bonds, callable bonds, floating rate notes, interest rate swaps, caps, floors, swaptions, inflation-indexed bonds, and convertible bonds. The course covers topics such as basic theoretical and empirical term structure concepts, short rate modeling, and the Heath-Jarrow-Morton methodology and market models.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

MFIM 645 - Portfolio Management (3)

This course analyzes the theory and practice of modern investment management. Topics include quantitative concepts, portfolio analysis, capital asset pricing theory model, performance measurement, efficient market hypothesis, portfolio management process, use of derivative securities, ethical and legal considerations, and professional standards. The course will also provide students with a concise introduction to recent results on optimal dynamic consumption-investment problems. Lectures will also cover standard mean-variance theory, dynamic asset allocation, asset-liability management, and lifecycle finance. The main focus of this course is to present a financial engineering approach to dynamic asset allocation problems of institutional investors such as pension funds, mutual funds, hedge funds, and sovereign wealth funds. Numerical methods for implementation of asset allocation models will also be presented. The course also focuses on empirical features and practical implementation of dynamic portfolio problems.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

MFIM 646 - Advanced Investment Management (3)

This course provides a solid foundation in the investment field. Considers aspects of accounting, economics, finance, strategic management, strategic marketing, and management science
relevant to modern investment analysis. Topics include the analysis and understanding of security markets and the economy, industries, companies, and analysis and valuation of corporate securities. The course teaches students how to develop valuation techniques and technical analysis that is later used to value equities in the major industrial sectors. The variety of geographic, industrial, and other specialized circumstances requires a careful selection of the appropriate valuation methods and the interpretation of different standards of financial reporting and disclosure. The course also prepares students to analyze the firm's prospects based on forecasts of the economic environment, industrial activity, and business cycle; measures of performance and value added (EVA, MVA, CFROI); valuation for closely held companies, mergers, acquisitions, and divestitures; technical analysis; and alternative investments such as real estate, venture capital, investment companies, and hedge funds.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

MFIM 647 - Financial Regulations & Compliance (3)

The course covers ethical issues, professional standards, and the code of conduct related to investment portfolio management and private and public sharing of information. This course will also examine regulations covering business ethics and standards of professional conduct in the financial services industry and include discussions of business leadership and professional conduct in the financial services industry.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, MFIM 640 Investment Management.

MFIM 648 - Valuation Models & Practices (3)

This course examines different models and practices for valuing various asset classes ranging from RD investments to firms, both public and private.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, MFIM 640 Investment Management.

MFIM 649 - Global Financial Markets & Institutions (3)

This course studies the flow of funds in the short-term and long-term financial markets. Sources and uses of funds, interest rate theory, and the role of the Federal Reserve System and the U.S. Treasury are studied to provide background for interpretation of current developments.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, MFIM 640 Investment Management.

MFIM 650 - Numerical Methods in Finance (3)

This course introduces and applies various numerical and computational techniques useful to tackle problems in mathematical finance. Among them are different interpolation methods and their consequences during hedge and root solving techniques and their properties. The focus of this course is the pricing of derivative securities. The PDE (partial differential equation) approach is discussed and stability analyzed. Monte Carlo methods are introduced with various variance reduction techniques and theoretical aspects studied. The course will also include applications to credit derivatives and other fashionable topics if time permits. The course is designed to be both theoretical and practical, dealing with theoretical aspects of the numerical techniques (what works, what does not, and what is popular in the industry and why) using tools from pure and/or applied mathematics with spreadsheet experimentations. In this course, students are challenged in both areas: theoretical (theorems, calculations, proofs) and practical (making spreadsheets that are working, easy to use, and understand).

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, MFIM 640 Investment Management.

MFIM 699 - Special Topics In Finance & Investment (3)

This course is offered as a Special Topics course in Finance and Investment and the topic will vary from section to section.

Distribution: Finance.

MFIM 700A - Internship (3)

The internship is focused on developing job search, interviewing, and career assessment skills while providing practical experience. The students are required to work at a site for a minimum of 120 hours. The internship introduces students to the opportunities and rigor of the business environment.

MFIM 700B - Problem-Based Learning Lab (3)

MFIM 703 - Seminar/Special Topics in Finance & Investment Analysis (3)

This course features in-depth coverage of a selected issue in finance. Subject matter may vary from semester to semester. Enrollment is limited to facilitate a high level of interaction among faculty and students.

Prerequisite: MFIM 636 Quantitative Finance I, MFIM 638 Financial Analysis & Firm Valuation, and MFIM 640 Investment Management.

704 - CFA Tutorial (0)

This course is required for students in the MSFIM program. The course parallels the curriculum found in the Chartered Financial Analysts, CFA Level I examination. Topics include ethics and professional standards, economics, financial statement analysis, equity and fixed income analysis, quantitative techniques, derivatives, and portfolio management. Completion of the course facilitates the student in preparing for the CFA Level I examination.

MPH - Masters Public Health

Core Course 400 - Profession and Science of Public Health (3)
Address the history and philosophy of public health as well as its core values, concepts, functions, ethics, and leadership roles. Students are required to define their own philosophy of public health within the context of the fields, mission, core values, and functions.

Offered: Fall.

MPH 401 - Research Methods (3)
Jackie Vernarelli

Understanding appropriate research techniques and methods are essential for the public health professional. This course is designed to introduce students to the various types of research methodology used in public health research using various texts, scientific articles, policy statements, and coursework. During the course, students will develop a research proposal to demonstrate their understanding of how to select methods for sound research practice.

Offered: Fall.

MPH 402 - Biostatistics (3)
Jackie Vernarelli

Biostatistics is the foundation for many forms of public health research, with applications in several other disciplines. This course is designed to introduce the students to the core principles of statistical practices used in the Public Health research setting, and familiarize students with the applications of biostatistics in health research. During the course, students will practice applied biostatistics by using statistical programming package (SAS) to complete data analysis of a public health dataset.

Offered: Fall.

MPH 403 - Social Ecological Determinants of Health (3)
Anna E. Greer

This course examines the biological, environmental, socioeconmic, behavioral, cultural and other factors that impact human health, influence the global and societal burden of disease, and contribute to health disparities. The cultural context of public health issues and respectful engagement with people from different cultures and socioeconomic strata will also be examined.

Offered: Fall.

MPH 405 - Program Planning and Management (3)
Sofia Pendley

This course covers concepts of project implementation and management, including needs assessment, planning, budgeting, human resources, assessment, and evaluation.

Offered: Spring.

MPH 406 - Grant Reporting and Writing (3)
Jackie Vernarelli

Provides an overview of the grant writing process, exposes students to different types of funding organizations/programs, different types of grant proposals, and builds students' grant writing and reviewing skills.

Offered: Spring.

MPH 407 - Public Health and Health Care Systems (3)
TBA

Examines characteristics and organizational structures of the US healthcare system and how they compare to health systems in other countries.

MPH 408 - Issues of Diversity and Equity in Public Health (3)
Sofia Pendley

This course will examine the intersection between public health and social justice, with a focus on the ways in which inequality, specifically conditions that lead to poverty, disproportionately affect health outcomes. Students will also examine strategies to support diverse and historically disadvantaged communities with public health programs and policies.

MPH 409 - Policy in Public Health (3)
Anna E. Greer

The legal, ethical, economic, and regulatory dimensions of health care and public health policy, the roles, influences, and responsibilities, of different agencies and branches of government, and approaches to developing, evaluating, and advocating for public health policies will be discussed.

MPH 410 - Systems Thinking (3)
Anna E. Greer

This course provides an introduction to systems thinking and systems models in public health. Systems thinking is an approach to allow students to consider the complex and many factors that contribute to public health problems.

Offered: Spring.

MPH 411 - Epidemiology (3)
Jackie Vernarelli

This course is designed to introduce students to the core principles of epidemiology, and familiarize students with the applications of epidemiological methods in health research. During the course students will learn about the historical origin of the field of epidemiology, as well as concepts for study design and data interpretation.

Offered: Spring.

MPH 422 - Physical Activity and Behavioral Science (3)
using an ecological approach, theories and studies relative to modifying active living and sedentary behaviors are examined. Best practices for promoting physical activity in communities will be reviewed. Changing physical activity behavior among special populations (e.g., children, older adults) will also be examined.

**MPH 450 - Community Health Development (3)**

Sofia Pendley

This course examines best practices for community health development. Core concepts will include creating partnerships, community assessment, analyzing problems and goals, strategic planning, intervention development, developing logic models, program evaluation, advocacy, cultural competence, and planning for sustainability. This course will also examine how essential community services (housing transportation, substance use, and more) support public health. Guest lectures from essential service providers in CT and other states will enrich the content delivered.

**MPH 456 - Natural Disasters (3)**

Sofia Pendley

**MPH 458 - Public Health Nutrition (3)**

Jackie Vernarelli

Students will examine the role of nutrition in promoting, maintaining, and improving health in communities. A social ecological approach will be used to examine factors which influence dietary intake, food choices, and related health outcomes.

**MPH 496 - Public Health Seminar I (3)**

Sofia Pendley

**MPH 497 - Public Health Thesis I (3)**

**MPH 498 - Public Health Seminar II (3)**

Sofia Pendley

**MK - Marketing**

**MK 651 - Marketing Research (3)**

This course gives a managerial approach to market research activities. Primary emphasis is on applying qualitative and quantitative research information toward marketing decisions. The research process is discussed and then qualitative and quantitative methodological alternatives are systematically reviewed. Careful attention is paid to how to analyze and present research findings.

Prerequisite: MK 661 Marketing Management.

**MK 652 - Web Design from a Marketing Perspective (3)**

This course introduces students to design elements that can be applied to digital channels such as web, mobile, tablets, smart devices, and more. The course will place focus on designing user interfaces and managing the user experience (UX).

**MK 656 - Advertising Management (3)**

This course provides an analysis of the advertising function from a management viewpoint. Emphasizes the mechanics and techniques of advertising as part of an overall marketing strategy. Topics include role of the corporate advertising director, role of the advertising agency, and role of the media. Special emphasis is on understanding and participating in the creative process, essential for effective advertising.

Prerequisite: MK 661 Marketing Management.

**MK 658 - Consumer Marketing & Behavior (3)**

This course focuses on the consumer and in particular what makes consumers behave the way they do in specific purchase situations. Emphasis is on behavioral, psychological, and motivational theories as well as risk perception. Various consumer buying models are analyzed. The case method is utilized.

Prerequisite: MK 661 Marketing Management.

**MK 661 - Marketing Management (3)**

This course explores how firms analyze market opportunities in the digital landscape. Students will work in areas related to; selecting target markets; developing the digital marketing mix; planning, managing, and organizing, the digital marketing resources throughout an enterprise.

**MK 662 - Analysis of Consumer Decisions (3)**

This course explores the tools and techniques used by marketers to analyze customer behaviors. It examines databases, analytics, metrics, software, and techniques applied by marketers to transform data into useful formats for the strategic decision-making process. Contents focus on technology tools for segmentation, target marketing and positioning, media selection, market share and estimation, sales forecasting, and other analyses.

Prerequisite: Students are required to take MK-661 Marketing Management, and MK-670 Intro to Digital Marketing. Pre-requisites can be waived to students enrolled in the Masters in Digital Marketing, who are admitted in the Spring or Late Spring trimester. Corequisite: MBA students are required to take MK-661 Marketing Management and MK-670 Intro to Digital Marketing prior enrolling in this course.
MK 668 - International Marketing (3)

This course provides an analysis of marketing concepts and applications in a global environment, focusing on market management and cultural and institutional differences.

Prerequisite: MK 661 Marketing Management.

MK 669 - Contemporary Issues in Marketing (3)

Current marketing issues are examined in light of the competitive global environment.

Prerequisite: MK 661 Marketing Management.

MK 670 - Intro to Digital Marketing (3)

Examines the rapidly evolving dynamics of digital marketing. Emphasis is on consumer behavior and opportunities, problems, tactics, and strategies associated with incorporating digital methods into the marketing function. Internet and mobile marketing tools such as search engine marketing, social media, and viral marketing are addressed.

Prerequisite: MK 661 Marketing Management.

MK 671 - Marketing Analytics (3)

This course explores how companies assess marketing performance. It is a survey course covering a variety of return on investment metrics for marketing investments. The course introduces formulas and ratios used to gauge customer profitability, product portfolio mix, and advertising and web spending effectiveness. Attention is drawn to links between finance and marketing.

Prerequisite: MK 661 Marketing Management.

MK 672 - Intro to Big Data Marketing (3)

This course will present a practical approach to the process of marketing decision-making using big data-sets as a result of acquired or aggregated data, and working in a cloud-based environment. The course will guide students through steps ranging from data ingestion, data visualization, data analysis, predictive analytics, machine learning, and artificial intelligence marketing.

Prerequisite: Students must take MK-661 Marketing Management, MK-670 Intro to Digital Marketing. MK-662 Analysis of Consumer Decision can be waived to students enrolled in the Masters in Digital Marketing who enroll in Late Spring.

MK 674 - Social Media Marketing (3)

This course provides the practical knowledge and insights required to define objectives and strategies of social media marketing, identify and properly select the social media tools to engage consumers and effectively evaluate and measure the results of a firm's social media strategy.

MK 676 - Digital Advertising (3)

This course combines core fundamentals in advertising with the latest developments in web, mobile, and digital marketing. This course provides an understanding of interactive and digital content.

MK 677 - Customer Experience Management (3 Credit Hours)

This course provides an understanding of customer experience management, as a collection of processes used to measure customers' interactions between customers and the organization throughout the customer lifecycle.

MK 680 - Applied Topics in Digital Marketing (3)

This course explores in-depth coverage of one digital marketing topic from an applied perspective. The topic is examined from a company's point of view with multiple examples from industry. Students work hands-on to learn what practitioners do within the topic on a day-to-day basis. Topics rotate throughout trimesters.

Prerequisite: MK 661 Marketing Management.

MK 688 - Capstone Thesis in Digital Marketing (3)

Students wishing to pursue the capstone thesis option must:

- select a topic as well as
- select an Advisor from the faculty teaching in the program and then turn in a proposal regarding the topic to the Advisor by November 15 for the Spring semester, February 1 for the Late Spring semester and April 15 for the Fall semester.

The faculty advisor will review the proposal and decide if it is acceptable. Once accepted, the proposal and the name of the advisor have to be submitted to the Program Director by arrangement with the Program Director.

MK 689 - Capstone Project in Digital Marketing (3)

Students wishing to pursue the capstone project option must:

- select a topic as well as
- select an Advisor from the faculty teaching in the program and then turn in a proposal regarding the topic to the Advisor by November 15 for the Spring semester, February 1 for the Late Spring semester and April 15 for the Fall semester.

The faculty advisor will review the proposal and decide if it is acceptable. Once accepted, the proposal and the name of the advisor have to be submitted to the Program Director.

MSA - MS in Accounting

MSA 600 - Financial Accounting Theory & Practice (3)

The series is designed to give the student a basic knowledge of financial accounting theory and practice as well as to develop the analytical skills necessary for careers in corporate or public accounting. The course provides an introduction to the pertinent theoretic and various applications relevant to the analysis of financial statements by applying both finance and accounting principles.

MSA 610 - Advanced Issues in Managerial Accounting (3)
This course introduces and examines theories and practices of managerial accounting and cost management. Emphasis is given to strategic cost management, product costing systems, cost analysis, cost allocation, responsibility accounting, performance management including balance scorecard for multinational corporations. Ethical issues faced by managerial accountants are also discussed.

**MSA 621 - Federal Taxation (3)**

This course introduces the basic principles of taxation common to all types of taxpayers, with special emphasis on business taxation and planning. Topics include tax policy issues, tax planning, computation of business taxable income, and an introduction to the taxation of corporations, S corporations, partnerships, and limited-liability companies.

**MSA 625 - International Accounting & Reporting (3)**

This course examines the diverse accounting systems employed by different countries and the relationship of those systems to environmental factors (cultural, economic, political, legal, and religious). Principal topics include performance evaluation in multinational enterprises, social responsibility, harmonization of accounting practices, and transfer pricing within an international framework. The course addresses these topics in part through an applied approach in the discussion and analysis of cases.

**MSA 626 - Global Financial Reporting & Analysis (3)**

This course focuses on policy issues of foreign currency translation, global inflation, transnational reporting and disclosure, and international accounting and auditing standards. Financial statements of multinational and foreign firms are used for financial statement analysis. The course includes case studies, computer-based assignments, and research projects.

**MSA 630 - Advanced Issues in Financial Accounting (3)**

The course will focus on the development of generally accepted accounting principles (GAAP) in the United States. Students will become familiar with the Financial Accounting Standards Board (FASB), the International Accounting Standards Board (IASB), the standard-setting process, and how the two boards interact. In addition, recent standards that have been issued by the FASB and/or the IASB and current issues being addressed by each of those standard-setting bodies will be addressed. The course will also cover the relationship of the U.S. Securities and Exchange Commission (SEC) to the FASB/IASB and the authority of and the role that the SEC plays in the standard-setting process in relation to GAAP. Discussions and analysis of current real-world corporate issues such as Sarbanes Oxley, executive pay, corporate boards, and financial statement quality (earnings management) will also be included.

**MSA 631 - Contemporary Issues in Auditing (3)**

Examines advance issues in auditing including in-depth review of the following: forensic accounting and fraud examination, litigation support and expert witness services, the use of statistical sampling in auditing, internal auditing, assurance services, and extending the attestation function. The course makes use of cases, articles, and current pronouncements in the field.

**MSA 641 - Accounting & Information Systems (3)**

This course introduces different applications and technologies essential to transacting business within the rapidly developing global Internet and web. This course also explores issues relating to management information systems that impact the accounting environment. The course makes use of cases, articles, and current pronouncements in the field.

**MSA 670 - Forensic & Investigative Accounting (3)**

This course is designed to acquaint the student with the field and practice of forensic accounting. Topics to be discussed include fraudulent financial reporting, employee fraud, indirect methods of reconstructing income, money laundering and transnational financial flows, various courtroom procedures and litigation support, and cybercrime and business valuations.

**MSA 671 - Understanding Business Valuation (3)**

This course is designed to acquaint the student with the business valuation process. Topics to be discussed include business valuation overview, valuation standards, various types of reports, appraisal theory, appraisal engagement, market approach, asset approach, income approach, discounts and capitalization, premiums, and completing the engagement.

**MSA 690 - Financial Statement Analysis (3)**

This course emphasizes the content of corporate financial reports and helps students learn to analyze the information therein. It also includes information for evaluating the financial health, operating performance, and growth prospects of corporation-type companies. The topics to be covered include the corporate financial statements and their relationships, ratio analysis for profitability and risk evaluation, assets/liabilities/owners' equity analysis, intercompany investments, and forecasting financial statements.

**MSA 699F - Master's Capstone (3)**

This course is designed to bring together the knowledge gained through the program and permits the student to demonstrate mastery of the various course competencies. The major deliverable in this course is a project that illustrates a graduate student's ability to explore, develop, and organize materials relating to a specific problem or an applied orientation within a field of study. The student must exhibit an ability to pursue research and investigation in a rigorous and perceptive fashion and to present the results in an extended scholarly statement in a clear, direct, and concise manner.

**MSA 699I - Master's Capstone (3)**

This course is designed to bring together the knowledge gained through the program and permits the student to demonstrate mastery of the various course competencies. The major deliverable in this course is a project that illustrates a graduate student's ability to explore, develop, and organize materials relating to a specific problem or an applied orientation within a field of study. The student must exhibit an ability to pursue research and investigation in a rigorous and perceptive fashion and to present the results in an extended scholarly statement in a clear, direct, and concise manner.
NU - Nursing

NU 501 - Healthcare Policy & Ethics for Contemporary Nursing Practice (3)

This core course focuses on history, policy, and ethics in nursing and healthcare. It examines healthcare policy, including global health considerations, healthcare financing, quality and safety in healthcare, and the ethics of healthcare. Current practices in nursing and healthcare are viewed from the past and present as a way to contemplate the future. The course builds on a framework of critical thinking, as students explore aspects of the history of nursing and medicine, analysis of current policy development, and implications of the past for present and future actions in nursing and healthcare.

Prerequisite: NU 401.

NU 511 - Role Development for Nursing Management & Executive Leadership (3)

This course introduces the student to contemporary theories of leadership, change, complexity science, and organizational structure and design. The underlying framework of the course is transformational leadership and complexity science. Concepts such as clinical microsystems, nursing care innovations, strategic planning, and change are covered. Students will be introduced to the concept of evidence-based management and encouraged to support their ideas with evidence. Students will complete an assessment of their leadership strengths and weaknesses and develop a professional leadership plan to guide their progress throughout the rest of the program.

NU 521 - Creating a Professional Work Environment (3)

In this course, the students will appreciate the rationale and strategies for creating a positive work environment in nursing and the interprofessional team. Topics will include organizational culture, structural empowerment, shared governance, and the adoption of Magnet Hospital tenets, among others. Human resource management principles such as selection, development, performance appraisal, and nurse satisfaction will be considered within the framework of creating an environment of professional practice. In addition, how a positive work environment supports the quality and safety will be discussed based on evidence. Fostering high performance from individuals as well as the team will be stressed.

NU 530 - Theory & Professional Roles for Contemporary Nursing Practice (3)

This course is one of the core that provides the foundation graduate-level nursing. The role of the master’s prepared nurse as a member of the profession will be emphasized. Students will be introduced to theories from nursing, natural, social, biological, and organizational sciences to frame their future practice. Further, students consider issues of cultural diversity and competence to assure the delivery of culturally competent care and the minimization of health disparities.

Prerequisite: NU 433.

NU 550 - Family & Community Context for Healthcare (3)

This course addresses selected family, primary care, and community theories within the context of advanced practice nursing and clinical leadership roles. Emphasis is placed on family and community assessment strategies, the impact of culture upon the family and community systems, and the impact of various primary care-oriented health problems on family roles and functions. Relevant concepts and principles of epidemiology are applied to the current and emerging health status of families and communities. Students apply advanced clinical knowledge to the family system in a community setting. Students function interdependently with other health team members in the care of families and evaluate a plan of care using standards for advanced clinical practice.

NU 551 - Advanced Pharmacology for the Nurse Practitioner (3)

This course will focus on the pharmacotherapeutic principles of common medications used in the primary care setting. Pharmacologic effects and clinical uses of specific drug groups and classifications will be discussed. Emphasis will be placed on evidence based drug classification selection, monitoring of drug therapies, identification and avoidance of adverse drug reactions and interactions, and extensive patient education and counseling. This course will meet the standards for advanced practice nurse certification in Connecticut.

NU 552 - Advanced Health Assessment (3)

This course prepares the student to assess in depth the biopsychosocial health status of clients across the life span by obtaining and documenting a complete and accurate health history and performing a thorough physical examination. Using acquired data from the history and physical exam, the student is introduced to formulating a working medical diagnosis and plan of care. Course content is designed to provide correlation of assessment strategies with an understanding of the mechanisms of illness and health problems of the main body systems. Integration of common medical testing is introduced. The course assists in the socialization of the student into the role of the FNP in the current healthcare delivery system. The laboratory component enables the student to develop advanced assessment skills.

NU 553 - Advanced Pathophysiology (3)

This course further prepares each student to assess in depth the pathophysiology of common disease states. Clinical pathology content will address alterations in major body systems that are commonly found in primary care settings, as well as common testing used in the diagnostic process. This course assists the student into the role of advanced practice nurse and/or nurse in advanced nursing role with the preparation to assess clients across the lifespan.

NU 554 - Application of Comprehensive Health Assessment Methods (3)

This course prepares the learner to assess in depth the biopsychosocial health status of clients across the lifespan by obtaining a complete and accurate health history and by performing a systematic physical examination. Acquired data will be used to formulate a comprehensive problem list for the client and to refine documentation skills. Content will be designed to
provide correlation of assessment strategies with an understanding of the mechanisms of illness and health problems of the main body systems. Health and wellness in the context of disability will be addressed. This course assists in the socialization of the learner into the role of the clinical nurse leader or nurse educator in the current healthcare delivery system. The laboratory component enables the learner to develop comprehensive assessment skills.

**NU 556 - Advanced Pharmacology I (2)**

This course is the first of two pharmacology courses designed to provide FNP students with an understanding of the mechanisms by which drugs alter the function of living cells to relieve symptoms and physiologic manifestations of disease. The course begins with an introduction to general principles of pharmacology, pharmacokinetics and pharmacodynamics, and then concentrates expressly on the pharmacotherapeutics germane to specific body systems. Students are taught the general properties of drug categories used to treat diseases of specific body systems and apply these pharmacologic concepts to clinical situations. Emphasis is placed on the development of problem solving and decision-making skills and patient education as they relate to the clinical use of pharmacotherapeutics and the role of the FNP in prescriptive responsibilities.

Distribution: Nursing.

**NU 557 - Advanced Pharmacology I (2 cr)**

This course is the second of two courses designed to provide FNP students with an understanding of the mechanisms by which drugs alter the function of living cells to relieve symptoms and physiologic manifestations of disease. The course concentrates on the pharmacotherapeutics germane to specific body systems. Students are taught the general properties of drug categories used to treat diseases of these body systems and apply these pharmacologic concepts to clinical situations. Emphasis is placed on the development of problem solving and decision-making skills, and patient education as they relate to the clinical use of pharmacotherapeutics and the role of the FNP in prescriptive responsibilities.

**NU 561 - Primary Care I: Comprehensive Primary Care of the Adult (6)**

The first of three clinical courses designed to enable graduate students to learn problem-solving skills and clinical strategies necessary to socialize into the role of the family nurse practitioner. Class content introduces students to a systematic approach to understanding the delivery of primary healthcare to the well adult. Various principles of illness prevention and health maintenance are introduced, as well as methodologies used to diagnose and treat common primary care problems. Emphasis is on the consultation role component of the nurse practitioner as well as on the direct provision of primary care and health promotion. In addition to classes, students participate in clinical experiences.

**NU 562 - Primary Care I: For the FNP/DNP (5)**

The course is the first of 3 clinical courses is designed to provide the student with problem-solving skills and clinical strategies necessary to socialize into the role of the FNP. Course content introduces the student to a systematic approach to understanding the delivery of primary health care to the well adult. Various principles of illness prevention and health maintenance are introduced, as well as methodologies used to diagnose and treat common primary care problems concentrating on chronic diseases. Emphasis is on the consultation role component of the FNP as well as on the direct provision of primary care and health promotion. In addition to classes, students participate in a required primary care clinical experience.

**NU 566 - Advanced Pathophysiology for Nurse Practitioners (3)**

This course provides FNP students with a comprehensive understanding of the pathophysiology of disease processes most commonly seen afflicting patients across the lifespan. Clinical pathologic content addresses alterations in major body systems that are commonly found in primary care settings, as well as common testing used in the diagnostic process.

**NU 575 - Healthcare Information Systems (3)**

Nursing Informatics combines knowledge and skills from nursing science, computer science, information science, and cognitive science to identify, define, manage and communicate data, information, knowledge, and wisdom in nursing practice. Core concepts will be discussed in relation to the application of nursing informatics to support nursing practice and enhance outcomes of care. Major topics related to nursing informatics will be explored. The use of informatics to enhance patient care delivery, quality, and safety in healthcare systems will be emphasized.

**NU 576 - Management of Financial Resources (3)**

This course provides an overview to the budgeting process in the healthcare setting. This course will explore the building blocks that are utilized to develop sound budget projections. The course will also review and explore the healthcare system and the multiple payers and their impact on the ability to utilize information systems in the development and ongoing analysis of financial data.

**NU 588 - Theoretical Basis of Teaching & Learning in Nursing Education (3)**

This course covers research-based educational theory and evidence-based teaching/learning strategies. The theories will be examined for their application in a variety of settings, levels of education, and for the adult learner. This course will introduce the impact of diversity and emphasis is placed on who the learner is and how he/she learns. External issues and trends impacting on nursing education will be explored including ethical/legal considerations in course curriculum design and implementation, and virtual environments for teaching/learning and external issues and trends impacting on nursing education will be explored.

**NU 589 - Curriculum Development & Evaluation in Nursing Education (3)**

This course prepares the student to design and implement curriculum based on evidence-based teaching/learning theory.
Focus is on the process of curriculum development for an individual course including course objectives, content, learning activities, delivery of the content, and student evaluation. The role of the faculty in program evaluation of the curriculum is explored.

NU 599 - Special Topics in Nursing (3)

designated new or occasional courses that may or may not become part of the department's permanent course offerings. Prerequisites are established by the department as appropriate for the specific course. Course title is shown on the student's transcript.

NU 601 - Principles of Healthcare Research for Contemporary Nursing Practice (3)

This course examines the field of research and its relationship to problems related to nursing and healthcare. Each step of the research process is explored in-depth to develop the skills to apply research to practice. Students will apply critical analysis to relevant research literature to determine its usefulness and application. Statistical methods and concepts are reviewed and integrated throughout the course to promote an understanding of those concepts within the context of healthcare research. Emphasis is placed on evaluating research for nursing practice.

Prerequisite: NU 430.

NU 602 - Evidence-Based Practice for Quality Care (3)

This course builds on the content of Principles of Healthcare Research for Contemporary Nursing Practice (NU 601) and begins with principles inherent to a sound data collection and analysis, including both philosophical and pragmatic differences between qualitative and quantitative research. Content areas of substantive include evidence-based practice, nursing theory in research, statistical analysis from the prospective of application and critique, research utilization, and issues in nursing and healthcare research from a national perspective. Students critique research articles according to criteria and develop a project related to evidence-based practice.

Prerequisite: NU 431.

NU 603 - Principles of Healthcare Research for Evidence-Based Nursing Practice (3)

(for Family Nurse Practitioner students only)

This course studies the field of research and its relationship to problems related to nursing and healthcare. Each step of the research process is explored in depth to develop the skills to apply research to practice. Students will apply critical analysis to relevant research literature to appraise its usefulness and application. Use of statistical methods and concepts are reviewed and integrated throughout the course to promote understanding. Emphasis is placed on evaluating various types of research evidence for advanced practice nursing. Ethical and legal implications of conducting research are also reviewed.

NU 604 - Health Care Research and Statistical Foundations for the Advanced Practice Nurse (3)

This course introduces the student to the research-practice connection. Emphasis is placed on the understanding and interpretation of qualitative and quantitative research and basic statistics found in health care and related literature. Students build their research and statistical literacy to support a practice based on credible evidence from current research literature.

NU 605 - Advanced Pharmacology for the Nurse Leader (3)

This course will focus on the pharmacotherapeutic principles of drugs most commonly used and evaluated by Master's prepared nurse across healthcare settings. Basic pharmacological concepts, including pharmacokinetics, pharmacodynamics, and pharmacotherapeutics, as well as the principle classifications of drugs in clinical use today are discussed in relation to physiologic and psychologic concepts. The role of the Master's prepared nurse in teaching patients safe and effective medication administration and assessment of medication management and patients with chronic disease is emphasized. A variety of interactive and experiential activities will be utilized to enable the student to apply pharmacological theory to clinical situations and patient education.

NU 611 - Care Management & Resources Across the Continuum (3)

This course examines the Clinical Nurse Leader's (CNL's) responsibility for the management of healthcare across the lifespan and continuum of care while remaining cognizant of the global environment in which healthcare is provided. It is designed to introduce the student to the evolution of the CNL role and responsibilities as well as how the CNL functions as a member of the profession. Theory and research based knowledge in the design, coordination, and evaluation of the delivery of client care will be reviewed with special attention to financial and resource management together with quality improvement. Communication skills and strategies necessary to interact and collaborate with members of the interdisciplinary healthcare team in addition to developing a therapeutic alliance with the patient will be discussed.

NU 612 - Disease Management & Outcomes Assessment (3)

This course is designed to introduce the Clinical Nurse Leader (CNL) to concepts directed towards maximizing patient outcomes through the management of illness and disease across the lifespan. The social, physical, psychological, and spiritual responses of the individual, family or caregiver to illness/ disease will be examined. Strategies for empowering patients and families to manage their chronic condition will be emphasized. Students will explore concepts of health promotion, illness prevention, and health maintenance of clients (individual, group, and/or community). Research on the outcomes of case and disease management is covered along with strategies for identifying and measuring outcomes of care. Understanding will aid the CNL in empowering the students, healthcare team, patients and families to manage chronic health conditions and to improve the design and delivery of health care services.
The focus of the course is to prepare the graduate level nurse in the nurse educator's role of patient and staff education utilizing theory and research-based knowledge in the design, coordination, and evaluation of the delivery of patient care as well as patient and staff education. Communication skills and strategies necessary to interact and collaborate with members of the interdisciplinary health care team and the patient will be explored.

The course will provide the student with the ability to develop an in-depth knowledge in a clinical specialty and to develop a simulation design that can be effectively utilized in an educational setting. Under the supervision of a preceptor, the student will apply graduate-level health assessment, pathophysiology, and pharmacology as well as principles of cultural diversity in a selected healthcare population utilizing nursing and theoretical frameworks to improve patient outcomes.

A practicum experience is part of this course.

**NU 621 - Primary Care II: Advanced Primary Care of Families in Complex Systems (7)**

The second of three clinical courses designed to enable graduate FNP students to learn problem-solving skills and clinical strategies necessary to diagnose and treat common and complex primary care problems found in adult families and their members. Emphasis is on the leadership role component of the nurse practitioner as well as on the direct provision of primary care. In addition to classes, students participate in clinical experiences.

**NU 622 - Primary Care II: For the FNP/DNP (7)**

The second of three clinical courses designed to enable graduate FNP students to learn problem-solving skills and clinical strategies necessary to diagnose and treat common and complex primary care problems found in adult families and their members. Emphasis is on the leadership role component of the nurse practitioner as well as on the direct provision of primary care. In addition to classes, students participate in clinical experiences.

**NU 631 - Primary Care III: Advanced Primary Care & Health Promotion of Special Populations (8)**

This is the final clinical course designed to enable graduate students to learn the diagnostic and management skills necessary to complete socialization into the role of family nurse practitioner. Class content will introduce students to methodologies used to diagnose and treat common primary care problems found in special populations, emerging families and their members. Implementation and synthesis of the role will be addressed through a focus on types of practice settings, reimbursement mechanisms, marketing strategies, employment opportunities, and collaborative relationships. Future trends in advanced nursing practice will be explored. The application of advanced nursing practice theory into supervised clinical practice will be included and emphasized. In this course, students will complete a capstone project that is a culminating experience beyond the required course work. It represents the student's ability to formulate a project and implement it from start to finish using a combination of conceptual, technical and applied knowledge.

**NU 632 - Primary Care III for the FNP/DNP (7)**

This is the final primary care clinical course designed to enable graduate students to learn the diagnostic and management skills necessary to complete socialization into the role of family nurse practitioner. Class content will introduce students to methodologies used to diagnose and treat common primary care problems found in special populations, emerging families and their members. Implementation and synthesis of the role will be addressed through a focus on types of practice settings, reimbursement mechanisms, marketing strategies, employment opportunities, and collaborative relationships. Future trends in advanced nursing practice will be explored. The application of advanced nursing practice theory into supervised clinical practice experiences will be included and emphasized.

**NU 665 - Quality & Safety in Practice (3)**

During this course, students will proceed in a step-by-step progression through the continuous quality improvement (CQI) process. This approach prepares students with the necessary skills to complete a CQI capstone project in the practicum courses. The student will review the historical background in theory of quality improvement and apply it to the current healthcare environment. After a review of the national and regulatory issues of patient safety, the student will identify one issue to use in the course to apply CQI methods.

**NU 672 - Nursing Management & Executive Leadership Practicum (3)**

This is the next to the last course in the nursing sequence for the Nursing Management and Executive Leadership track. Nursing 672 will focus at the larger organization's macrosystem level. Students will apply and analyze the theories, competencies and concepts of previous courses in a designated clinical practicum experience using a preceptor. Further, students will share their reflections with other course participants through a weekly discussion using appreciative inquiry to describe a significant learning on the strengths and weaknesses of their clinical site focused on the course objectives. The core role competencies for the nurse manager and executive leader frame the course activities including managing client needs and expectations, marketing, managing financial resources, assessing quality and safety, visioning and strategic planning, designing care management systems, and developing operational plans for accountability and ethical practice. Leadership strategies for accomplishing this work are explored. Current issues and trends in health care and nursing management and executive
leadership are covered in course readings and integrated into (the) course assessments/project.

In this course, the student will perform an organizational assessment and evaluation (macrosystem level) in two parts and complete Part I of the capstone project.

NU 673 - Capstone: Nursing Management & Executive Leadership (3)

This is the last course in the nursing sequence for the Nursing Management and Executive Leadership track. Nursing 673 will focus on the larger organization’s macrosystem level. Students will apply and analyze the theories, competencies and concepts of previous courses in a designated role practicum experience using a preceptor. Further, students will examine the application of theories/evidence from scholarly readings and their application to practice. Students will share their reflections with other course participants through a weekly discussion using appreciative inquiry to describe a significant learning on the strengths and weaknesses of their clinical site focused on the course objectives.

The core role competencies for the nurse manager and executive leader frame the course activities and include assessing the following areas: human resource management, workforce development, succession planning, culture of safety, The Joint Commission (TJC) national patient safety goals, public reporting and accountability, automation in healthcare and redesign of workflow, meaningful use, accountability care organizations, healthcare reform, care across the continuum, and raising the bar—learning from excellence. Current issues and trends in health care and nursing management and executive leadership are covered in course readings and integrated into (the) course assessments/project.

In this course, students will complete their capstone project and the organizational assessment and evaluation (macrosystem level).

NU 680 - Clinical Nurse Leader Role Practicum (3)

The immersion experience is divided over two modules: NU680 and NU681 constituting 6-credits in total. The two courses provide the opportunity for in-depth analysis of the CNL role within various health care settings and specialties through a guided role immersion practicum experience. The immersion experience focuses on the role of the clinical nurse leader as clinician, outcomes manager, client manager, client advocate, educator, information manager, systems analyst/risk anticipator, team member, member of the profession, and lifelong learner.

Integration of prior coursework related to advanced assessment and pathophysiology, pharmacology, information systems, ethics, research, evidence-based practice and health care systems occurs through clinical role practice. A team of preceptors provide guidance and support as CNL students identify and confirm the role components of the CNL while analyzing the organizational context for this new role.

NU 681 - Capstone: Clinical Nurse Leader (3)

The immersion experience is divided over 2 modules: NU680 and NU681 constituting 6-credits. The two courses provide the opportunity for in-depth analysis of the CNL role within various health care settings and specialties through a guided role immersion practicum experience. The immersion experience focuses on the role of the clinical nurse leader as clinician, outcomes manager, client manager, client advocate, educator, information manager, systems analyst/risk anticipator, team member, member of the profession, and lifelong learner.

Integration of prior coursework related to advanced assessment and pathophysiology, pharmacology, information systems, ethics, research, evidence-based practice and health care systems occurs through clinical role practice. A team of preceptors provide guidance and support as CNL students identify and confirm the role components of the CNL while analyzing the organizational context for this new role.

NU 690 - Nursing Education Role Practicum (3)

This is the first course in the nursing sequence for the role immersion experience in nursing education. Students apply and analyze the theories, competencies, and concepts from the two previous courses in a designated role practicum experience using a preceptor. Through this experience the student will develop an evidence-based teaching project. Further, the student applies theory to practice in seminar discussion and readings. Current issues and trends in healthcare and nursing are integrated within each topical area.

NU 691 - Capstone: Nurse Educator (3)

This is the final course in the nursing sequence for the role immersion experience in nursing education. Students apply and analyze the theories, competencies, and concepts from the previous nurse educator courses in a designated role practicum experience using a preceptor. Through this experience the student will develop an evidence-based teaching proposal. Further, the student applies theory to practice in seminar discussion and readings. Current issues and trends in healthcare and nursing are integrated within each topical area.

NU 700 - Theoretical Components of Nursing Science (3)

This course involves the study of knowledge shared among members of the nursing discipline, the patterns of knowing and knowledge development, criteria for evaluating knowledge claims, and the philosophy of science. The nature of theory, theory development in nursing, and significant conceptualizations of nursing will be discussed. Through guided search and discussion, doctoral students will become knowledgeable about the utilization of middle range theory to guide nursing practice.

NU 710 - Healthcare Policy, Advocacy, & Ethics (3)

This course explores the effect of the interrelationship between policy, advocacy, and ethics on clinical practice and health care leadership. The advanced practice nurse’s role in health care
policy and planning is examined. An overview of issues in health care policy and planning, including the socio-political and economic context of health and health-seeking behaviors will be provided. Health care policy and planning at the local, state, and federal levels will be considered. Issues in clinical practice will be examined for how legislation and regulations impacts care. The course examines the structure and function of legislative and regulatory organizations, governance, public relations, and global health care issues. Broader social issues common to the care of underserved and vulnerable populations will be examined. Ethical dimensions of public policy formulations and implementation will be highlighted.

NU 720 - Leading Quality Initiatives & Information Systems (3)
This course introduces the fundamentals of patient safety and quality improvement (QI) in a variety of healthcare settings. Emphasis is placed on the development, implementation, and evaluation/measurement of evidence-based healthcare QI practices. Management of complex system change within the healthcare environment is reviewed as part of the QI process. Examining key issues related to patient safety is an important concept throughout this course. Information Systems (IS) is also addressed throughout this course to examine best application to the QI process along with daily practice needs. Students examine key processes involved in optimal patient safety, outcomes, and the overall delivery of health care services.

NU 721 - DNP Project: Topic Development (1)
This course is the first of 6 project seminars in which the student synthesizes, integrates, and translates newly acquired knowledge and skills in the implementation and evaluation of the selected project over the course of the program. The first seminar prepares the student to develop the problem statement and a plan for evidence review.

NU 722 - DNP Project: Methodology Development (1)
This course is the second of 6 project seminars. Under the guidance of the course faculty, DNP project lead, and external advisor, the student synthesizes, integrates, and translates newly acquired knowledge and skills in the implementation and evaluation of the selected project over the course of the program. In the second seminar, the student completes an evidence review, synthesis and recommendations, and prepares draft of project proposal.

NU 723 - DNP Project: Proposal Review (1)
This course is the third of 6 project seminars. Under the guidance of the course faculty, DNP project lead, and external advisor, the student synthesizes, integrates, and translates newly acquired knowledge and skills in the implementation and evaluation of the selected project. In this seminar, the student completes the proposal presentation.

NU 724 - DNP Project: Responsible Conduct of Research (1)
This course is the fourth of 6 clinical seminars. Under the guidance of the course faculty, DNP project lead, and external advisor, the student synthesizes, integrates, and translates newly acquired knowledge and skills in the implementation and evaluation of the selected project over the course of the program. In this seminar, the student investigates ethical considerations related to the project prior to implementing the project in the practice setting.

NU 725 - DNP Project: Implementation & Data Analysis (1)
This course is the fifth of 6 clinical seminars. Under the guidance of the course faculty, DNP project lead, and external advisor, the student synthesizes, integrates, and translates newly acquired knowledge and skills to implement and evaluate the selected project. In the 5th seminar, the student evaluates the project outcomes.

NU 726 - DNP Project: Presentation, Dissemination, & Evaluation (1)
This course is the last of 6 clinical seminars. Under the guidance of the DNP project lead and project mentor, the student has synthesized, integrated, and translated newly acquired knowledge and skills in the implementation and evaluation of the selected project. In the 6th seminar, the student completes the project write-up and presents project findings.

NU 730 - Clinical Scholarship and Analytical Methods for Evidence-Based Practice I (3)
This course reviews doctoral level practice scholarship and the principles of evidence-based practice. Students learn how to build a practice based on clinical expertise, best current evidence, patient values/preferences/goals, and available resources.
Prerequisite: Pre-req NU 604 or equivalent.

NU 735 - Clinical Scholarship and Analytical Methods for Evidence Based Practice I (3)
This course reviews doctoral level practice scholarship and the principles of evidence-based practice. Students learn how to build a practice based on clinical expertise, best current evidence, patient values/preferences/goals, and available resources.

NU 740 - Epidemiology & Population Health (3)
This course provides the student with a foundation in clinical prevention and population health. The student is introduced to the methods used by epidemiologists to assess factors associated with the distribution and determinants of health and disease in
populations and to read, interpret, and apply literature using epidemiologic and statistical methods. Topics include a discussion of the historical background, practical applications of epidemiology, methods for identifying and evaluating sources of health information, calculation of key epidemiologic measures, investigation techniques, and an evaluation of the strengths and weaknesses of different study designs. Current concepts of public health, health promotion, evidence-based recommendations, determinants of health, environmental/occupational health, and cultural diversity and sensitivity are integrated throughout the course. The student is taught to interpret epidemiological, biostatistical, occupational, and environmental data in the development, implementation, and evaluation of clinical prevention and population health.

NU 741 - Teaching Learning Principles & Curriculum Design in Advanced Nursing Education (3)

The purpose of this elective course is to provide students the opportunities to examine research-based educational theory and evidence-based teaching/learning strategies to design and implement instruction for diverse learners and evaluate the quality and effectiveness of instruction. In addition, analysis and synthesis of theories and concepts related to curriculum development and evaluation in education are emphasized. A practicum experience is a required component of the course.

NU 742 - Leadership in Advanced Nursing Education (3)

The purpose of this elective course is to engage students in an analysis and synthesis of concepts and theories basic to the nurse educator in a leadership role in academia. Emphasis is on current issues and trends in nursing education, the role of the DNP nurse educator, knowledge necessary for success in a leadership role such as the accreditation process and the relationship between the school/department of nursing and state board of nursing. In addition, relevant topics such leadership theory, policy, and legal and ethical issues will be discussed. A practicum experience is a required component of the course.

NU 750 - Clinical Scholarship & Analytical Methods for Evidence-Based Practice II (3)

This course is the second of two courses that reviews doctoral level practice scholarship and the principles of evidence-based practice. Course content emphasizes implementation plans, and the evaluation, analysis and reporting of outcomes.

Prerequisite: Pre-req NU 730.

NU 755 - Clinical Scholarship and Analytical Methods for Evidence Based Practice II (3)

This course is the second of two courses that reviews doctoral level practice scholarship and the principles of evidence-based practice. Course content emphasizes implementation plans, and the evaluation, analysis and reporting of outcomes.

NU 760 - Strategic Leadership & Collaboration in Health Care Organizations (3)

This course addresses organizational and systems leadership skills for advanced leadership in practice to improve clinical health care systems and promote excellence in care. Focus is on leadership, strategic visioning and planning, collaboration with the health care team to make data driven decisions at both the micro and macro systems level. Healthcare finance and the implications for health care organizations are examined.

NU 770 - Advanced Care of Special Populations (3)

This clinical course is designed to enable the doctoral student to refine and expand the skills necessary to care for vulnerable and disenfranchised populations. This course focuses on the complex management of health care problems experienced by special populations across the lifespan. The student will examine health disparities and the burden of disease within social, cultural, political, economic, and environmental contexts using a systematic, multidisciplinary approach. Emphasis in role development is placed on effecting change and integration of the multiple roles for advanced practice nurses in an interdisciplinary, integrated health system.

NU 771 - Introduction to Palliative Care (3.00 Credit(s))

This course is an introduction to palliative care nursing within a quality of life framework. The emphasis is on symptom management and care for the patient and family experiencing a life threatening illness with a focus on end of life care. The student will explore the role of the advanced practice nurse on the interdisciplinary palliative care team. Nursing leadership responsibilities in palliative care as it relates to policy, research and practice to improve patient and system outcomes are discussed. This 3-credit course is required for the FNP/DNP student and is an elective for the post MSN DNP student.

NU 782 - Executive Leadership (3.00 Credit(s))

Ongoing transformation of the health care environment requires that nurse leaders develop capacities in new arenas in order to address aggregate health, system, and global needs. Guided by various leadership models in health care, this course explores advanced leadership development opportunities in data analytics, entrepreneurship, and globalization. The focus will be on understanding leadership models as guides to influence behavior, data analytics as a strategy for improving outcomes of care, entrepreneurship for professional autonomy and meeting social needs, and globalization for improving global health. This course is an elective 3-credit course for the post MSN DNP student.

NU 799 - Special Topics Independent Study (1.00-6.00)

NU 810 - DNP Scholarship & Advanced Practice I (3)

This course is a role transition seminar and colloquium that assists the student in preparing for expanded roles. The student
synthesizes, integrates, and translates knowledge, skills, and attitudes that have been acquired throughout the program. Practice immersion experiences are designed by students based on DNP Essentials competency self-assessment and scholarly interests.

**NU 820 - DNP Scholarship & Advanced Practice II (3)**

This course is a role transition seminar and colloquium that will assist the student in preparing for expanded roles and self-reflection. The student synthesizes, integrates, and translates knowledge, skills, and attitudes that have been acquired throughout the program.

Practice immersion experiences will be designed by students based on DNP Essentials competency self-assessment and scholarly interests. Scholarly writing, grant proposals, and career development strategies will be discussed.

**NU 831 - Clinical Immersion I (2.0)**

Clinical experiences are individually designed based on the student's clinical interests. The residency provides the student the opportunity to focus on the complex patient to increase clinical skills and competency. Students prepare for a FNP national board certification examination using review techniques and online predictor examinations.

**NU 832 - Clinical Immersion II (2.0)**

Clinical experiences are individually designed based on the student's clinical interests. The residency provides the student the opportunity to focus on the complex patient to increase clinical skills and competency. Students will complete their national board certification examinations.

**OT - Occupational Therapy**

**OT 501 - Introduction to Occupational Therapy as a Profession (3)**

This course will introduce Occupational Therapy students to the foundations of professional practice. Students will develop a historical and philosophical perspective of the profession, explore what it means to be a professional, and understand the theories and models that guide occupational therapy practice. Both the national and international view of practice will be promoted.

**OT 503 - Research I: Introduction to Research (2)**

A prerequisite to OT 531

This course will provide students with a thorough understanding of the importance of research to the profession of occupational therapy and with the ability to read the research of their profession. Students will be able to converse with others about basic research principles, explain their use of research to others, and be able to understand and critique the research of occupational therapy and other professions. Topics covered in this course include basic concepts of research, an overview of research designs and methods, and concepts of examining research evidence critically. Course formats include seminar, lecture, and workshops.

**OT 504 - Therapeutic Use of Self I (2)**

This first semester course is designed to promote reflection on the educational process and the individual student's future occupational therapy practice. Students will complete reflective self-assessments and analyze them to determine their therapeutic personality traits and modes necessary for developing a professional identity and skill base. Understanding the nature of the therapeutic relationship as an intentional process is taught for successfully developing client and group dynamics. Course formats will include seminars, discussions, and in-class and online course activities.

**OT 505 - Health Policy & Law (2)**

This course examines national and state health and education policies, legislation, and laws that affect occupational therapy practice. Access, quality, and cost factors (classification and reimbursement) are examined in relation to service delivery models in health and education with a particular emphasis on policy and legislation affecting populations with needs and conditions that fall within the domain of occupational therapy practice. Course delivery includes lecture, discussion, web-based resources, and classroom learning activities.

**OT 523 - Applied Functional Anatomy & Neuroanatomy (4)**

This course examines the organization, development, and function of the nervous, musculoskeletal, cardiovascular, respiratory, and immune and lymphatic systems of the human body. The course will examine the relationship between these systems in terms of their function on occupational performance across the lifespan. The course will emphasize neuroscience, kinesiology, and how these concepts apply to occupational therapy practice. Course content will be delivered in the context of experiential and human anatomy labs, seminars, and self-directed learning.

**OT 524 - Physical & Mental Health Conditions Across the Lifespan (3)**

This course will explore the characteristics and implications of major categories of mental and physical health conditions that occupational therapists may encounter when working with clients across the lifespan. The course is designed to build a common language and foundation for future coursework, requiring occupational therapy assessment choices and intervention strategies for clients with mental and physical conditions (disability/deficits/pathology) across the lifespan. Human conditions will be examined in the context of the human systems affected by the condition, epidemiology, prognosis, mental and/or physical deficits/disability associated with the condition, and medical and pharmacological interventions and their impact on function and research.

**OT 525 - Health & Wellness: Personal Journey (0.5)**

This course consists of the personal pursuit of one's well-being: mind, body, and spirit. Students will reflect on different dimensions of wellness, health literacy, and the biological and environmental
This course will utilize problem-based learning (PBL) to develop self-directed learning, research, and critical analysis and synthesis of the acquired knowledge for evidence-based practice in occupational therapy mental health. Students will practice clinical decision-making while applying their knowledge of the OT foundational theories and principles to the evaluation and intervention process and to clients with mental health conditions.

OT 528 - Clinical Lab in Mental Health (5)

In this laboratory course, students will apply the concepts explored in PBL and seminar utilizing self-directed learning and critical thinking skills during "hands-on" learning experiences. The focus will be on developing basic clinical skills of occupational therapy evaluation individual and group interventions as well as professional behaviors and team collaboration skills within the contexts of the daily lives of clients with mental illness and their families.

OT 529 - Level I FW & Seminar: Mental Health (0.5)

The purpose of this course is for the student to integrate academic learning with clinical practice. It is designed to enhance clinical reasoning processes by integrating knowledge from previous educational and work experiences with current courses and weekly fieldwork experiences. Fieldwork in combination with PBL, lab, and seminar will focus on reflective processes, therapeutic relationships, ethical practice, and other professional issues for working with mental health clients with a variety of needs for occupational therapy services. Self-directed, collaborative learning and class participation are essential aspects of this course. Students will engage in fieldwork seminar during the semester. Each student will attend a six- or eight-week mental health experience during this semester.

OT 530 - Groups (2)

Students will study the elements of groups to understand how they operate and how occupational therapists utilize groups for assessment and intervention within particular frames of reference and theoretical models. The format of the course includes lecture, online material, discussions, and experiential learning activities.

OT 531 - Research II: Single-Subject Design (2)

This course will apply concepts and content learned in OT 503 to actual research activities using single-subject research design. Students will engage in a review of the literature and will develop a proposal for a study using single-subject research design. Additionally, students will examine the methods of procuring funding for research activities related to their research proposal. In-class activities will develop data collection, data analysis, and data reporting. Class formats will include lectures, discussions, workshops, and online activities.

Prerequisite: OT 503 Research I: Introduction to Research.

OT 542 - Health, Prevention, & Well-Being (2)

This course offers specific knowledge for the development of a deep understanding of occupational therapy's role in health promotion practice and disease or disability prevention. Students will develop an understanding of conceptual models in relation to health and wellness and explore approaches as well as the evidence regarding how physical, mental, and spiritual health are critical to a person's overall health, well-being, disease prevention, and the ability to participate meaningfully in their daily occupations.

OT 543 - Needs Assessment & Program Development (3)

This course examines occupational therapy theory and present-day practice in the context of the community and builds on knowledge acquired in OT 542. Students are given the opportunity to complete a health promotion/prevention population-based needs assessment and community-based program for a community population/site of their choosing, subject to instructor approval. This experience is designed to give the skills needed to identify needs and work in a community.

OT 544 - Topics in Pediatrics & Adolescence (2)

This course will examine the evidence that serves as a basis of occupational therapy assessment and intervention in current practice with clients from birth through adolescence. Current theories will be examined and critically analyzed relating to areas of occupation, performance skills, performance patterns, context, activity demands, and client factors. Spirituality and the meaning of occupations for an individual will also be considered in the context of evaluation and intervention. Students will actively participate in discussion and debate regarding the work done in their PBL groups, to describe and defend the theoretical and research basis for their clinical decisions. The format for this course will be presentation, discussion, and collaborative work.

OT 546 - Human Occupation & Activity Analysis (3)

In this course the term "occupation" is defined and examined broadly. Students will untangle the concepts of occupation and activity purposeful-activity function and health. They'll explore their understanding of occupation used in purposeful and meaningful ways as they facilitate the health and well-being of clients. Students will examine their professional heritage occupation and activity and review the historical development of activity analysis as a valuable tool of occupational therapy across all clients and contexts. Students will learn ways to internalize the values of occupational therapy such as client-centered care.

OT 547 - Clinical Lab: Pediatrics & Adolescence (5)

In this laboratory course, students will apply the concepts explored in PBL and seminar utilizing self-directed learning and critical
thinking skills during hands-on learning experiences within the contexts of the daily lives of families of infants and children through early adulthood while maintaining professional behaviors and team collaboration. Documentation, evaluation, planning, and the development of intervention plans through the use of clinical cases will be emphasized.

OT 548 - Level I FW & Seminar: Pediatrics & Adolescence (1)

The purpose of this course is for the student to integrate academic learning with clinical practice. It is designed to enhance clinical reasoning processes by integrating knowledge from previous educational and work experiences with current courses and weekly fieldwork experiences. Fieldwork in combination with PBL, lab, and seminar will focus on reflective processes, therapeutic relationships, ethical practice, and other issues for pediatric and adolescent populations with a variety of needs for occupational therapy services. Self-directed, collaborative learning and class participation are essential aspects of the course. Students will engage in fieldwork seminar during the semester. Each student will attend a six- or eight-week fieldwork experience in a pediatric or adolescent setting.

OT 549 - Problem-Based Learning: Pediatrics & Adolescence (5)

This course will utilize problem-based learning (PBL) to develop self-directed learning, research, and critical analysis and synthesis for evidenced-based practice in pediatric occupational therapy. Students will practice clinical decision-making skills in applying their knowledge of occupational therapy theories and principles to the evaluation and intervention process with clients from birth to adolescence. This course will focus on the affective and cognitive domains of learning within Bloom's taxonomy. Students will develop the ability to think like an occupational therapist in considering the child's natural environment while also beginning to internalize the values of occupational therapy such as client-centered care. Cases and assignments will encourage students to adopt a family-centered perspective. Additionally, students will learn the team skills required of an occupational therapist on the healthcare team, sharing information appropriately while listening to others' views respectfully and with thoughtful consideration. The format for this course will be small PBL tutorials and independent small-group work.

OT 565 - Problem-Based Learning: Adults & Geriatrics (3)

This course utilizes problem-based learning (PBL) to develop self-directed learning, research, and critical analysis and synthesis for evidenced-based practice in occupational therapy with the adult and geriatric populations, and builds on knowledge acquired in the previous two trimesters. Students will learn to consider the diversity within these age groups in relation to physical, social, lifestyle, and cognitive factors and investigate the multidisciplinary and contextual support systems available to enable occupational performance. The format for this course will be PBL.

OT 566 - Clinical Lab: Adults & Geriatrics (5)

In this lab-format course, students will apply the concepts explored in PBL and seminar utilizing self-directed learning and critical thinking skills during "hands-on" learning experiences and build on knowledge acquired in the previous two trimesters. The focus will be on developing the basic knowledge and clinical and documentation skills of occupational therapy for effective evaluation intervention and discharge within the contexts of the daily lives of adult and geriatric clients while maintaining professional behaviors and team collaboration. Course format will include lectures discussions and in-class community laboratory activities.

OT 574 - Topics in Adults & Geriatrics (2)

This course will examine current topics and trends and occupational therapy's role when working with adult and geriatric populations, building on knowledge acquired in the previous two trimesters. This course will supplement the lab and PBL components of the program's adult and geriatric curriculums and require students to reflect on lab and the PBL scenarios, and apply that knowledge to other 'like' cases. The intention is for students to consider theories and evidence to make informed decisions about evaluation and intervention strategies and to develop sound clinical reasoning and decision-making skills.

OT 575 - PBL in Adults & Geriatrics (3)

This course utilizes Problem-Based Learning (PBL) to develop self-directed learning, research, and critical analysis and synthesis for evidenced-based practice in occupational therapy with the adult and geriatric populations and builds on knowledge acquired in the previous two trimesters. Students will learn to consider the diversity within these age groups in relation to physical, social, and cognitive factors and lifestyle and investigate the multidisciplinary and contextual support systems available to enable occupational performance. The format for this course will be PBL.

OT 576 - Clinical Lab: Adults & Geriatrics (5)

In this lab-format course, students will apply the concepts explored in PBL and seminar utilizing self-directed learning and critical thinking skills during "hands-on" learning experiences and builds on knowledge acquired in the previous two trimesters. The focus will be on developing the basic knowledge and clinical and documentation skills of occupational therapy for effective evaluation intervention and discharge within the contexts of the daily lives of adult and geriatric clients while maintaining professional behaviors and team collaboration. Course format will include lectures discussions and in-class community laboratory experiences.

OT 577 - Level I Fieldwork & Seminar: Adults & Geriatrics (1)

The purpose of this course is for students to integrate academic learning with clinical practice. It is designed to enhance clinical reasoning processes by integrating knowledge from previous educational and work experiences with current courses and weekly fieldwork experience. Fieldwork in combination with PBL, lab, and seminar will focus on reflective processes, therapeutic relationships, ethical practice, and other professional issues for working with adult populations with a variety of needs for occupational therapy services. Self-directed, collaborative learning and class participation are essential aspects of this course. Students will engage in this fieldwork seminar during the semester. Each student will attend a six- to eight-week fieldwork experience in adult and geriatric settings.
OT 578 - Capstone I: Planning, Permissions, & Approvals (1.5)

A prerequisite to OT 608

The capstone experience consists of two courses, OT 544 and OT 608, which includes the content, knowledge, and skills students need to plan and prepare, obtaining access and permissions, their projects for implementation before OT 608, in which they will complete the project and professional poster presentation. This course will include in-class seminars and project mentoring to build the content, knowledge, and psychomotor skills needed to complete their projects. Completion of a scholarly literature review paper is a course requirement.

OT 607 - Leadership & Management (3)

This course uses the formats of lecture, seminar, collaborative group work, and presentations to study leadership, supervision, and management in healthcare contexts and organizations. This course provides the knowledge and opportunities to practice critical and ethical reasoning, and skills for organizational analysis, leadership, management, and supervision. Theories including aspects such as leadership, management, budgeting, marketing, and strategic planning will be examined in detail. Evidence-based processes will be used to find and evaluate research evidence to determine the best course of action in management, supervisory, and leadership situations.

OT 608 - Capstone II: Implementation (1.5)

This capstone course consists of the content, knowledge, and skills students need to implement and complete their capstone projects, complete a proposal for presentation to a professional conference, and complete a professional poster, presentation, and defense. Project mentoring, content knowledge, and psychomotor skill-building exercises will occur during in-class time. The capstone project is a culminating project of the Occupational Therapy curriculum incorporating the knowledge, skills, professional behaviors, AOTA's code of ethics, core values, and attitudes.

Prerequisite: OT 578 Capstone I: Planning, Permissions, & Approvals.

OT 609 - Portfolio (1)

Students will build a portfolio that documents learning in a variety of content areas as well as professional behaviors and clinical reasoning skills. The portfolio provides students with an opportunity to prepare for practice, the NBCOT exam, and eventual employment. The portfolio is a graduation requirement. This is a self-paced, online course including discussions and video chat with the course instructor.

OT 691 - Level II Fieldwork (4)

Students will engage in fieldwork during the spring and summer semesters. Students will apply their understanding of occupation, professional practice, identity, and leadership during a twelve-week, full-time fieldwork placement. Objectives of this course continue to focus on personal transformation as occupational therapists. Students are expected to develop the professional competencies of an entry-level therapist for a particular site by the conclusion of this experience.

OT 693 - Level II Fieldwork (4)

Students will engage in fieldwork during the spring and summer semesters. Students will apply their understanding of occupation, professional practice, identity, and leadership during a twelve-week, full-time fieldwork placement. Objectives of this course continue to focus on personal transformation as occupational therapists. Students are expected to develop the professional competencies of an entry-level therapist for a particular site by the conclusion of this experience.

PA - Master of Physician Assistant Studies

PA 501 - Medical Science I (4)

This is the first of two courses designed to develop an understanding of homeostasis and the relationship of physiology, pathophysiology, and human genetic concepts of disease as they pertain to each organ system or area of medicine covered in the first trimester in PA 504 Principles of Medicine I. This course will incorporate anatomy within a clinical context with an emphasis on important anatomical structure and function relevant to the physical exam, diagnosis, and development of disease and in the anatomical relationships of structures to each other. Lectures, discussions, anatomy lab participation, case studies, and a multimedia approach will be used to present the material.

Prerequisite: Admission to the Physician Assistant Studies Program.

PA 502 - Medical Science II (4)

This is the second of two courses designed to develop an understanding of homeostasis and the relationship of physiology, pathophysiology, and human genetic concepts of disease as they pertain to each organ system or area of medicine covered in the second trimester in PA 505 Principles of Medicine II. This course will incorporate anatomy within a clinical context with an emphasis on important anatomical structure and function relevant to the physical exam, diagnosis, and development of disease and in the anatomical relationships of structures to each other. Lectures, discussions, anatomy lab participation, case studies, and a multimedia approach will be used to present the material.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 503 - Infectious Disease/Clinical Microbiology (3)

This course is designed to introduce students to the concepts of medical microbiology and the principles of infectious disease. The focus will be on epidemiology, virulence, and pathogenicity of selected organisms, pathophysiology, clinical presentation, and general management of infectious disease states. These topics will be explored through lecture, discussion, and case studies.

Prerequisite: Admission to the Physician Assistant Studies program.

PA 504 - Principles of Medicine I (5)
This is the first in a series of courses designed to provide the study of human diseases and disorders by organ system, using a lifespan approach from newborn to the elderly. Course includes epidemiology, etiology, history, clinical signs and symptoms, differential diagnosis, diagnosis, diagnostic studies, therapeutic management, prevention, and prognosis of disease in clinical medicine. Organ systems covered include dermatology, otolaryngology, ophthalmology, pulmonary, and hematology. Emphasis will be on disease processes common to primary care practices using lecture, case study, and a problem-based learning approach.

Prerequisite: Admission to the Physician Assistant Studies program.

**PA 505 - Principles of Medicine II (7)**

This is the second in a series of courses designed to provide the study of human diseases and disorders by organ system, using a lifespan approach from newborn to the elderly. Course includes epidemiology, etiology, history, clinical signs and symptoms, differential diagnosis, diagnosis, diagnostic studies, therapeutic management, prevention, and prognosis of disease in clinical medicine. Organ systems covered include cardiovascular, neurology, endocrinology, gastroenterology/nutrition, nephrology and genitourinary, orthopedics, and obstetrics and gynecology. Emphasis will be on disease processes common to primary care practices using lecture, case study, and a problem-based learning approach.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

**PA 506 - Principles of Medicine III (7)**

This is the third in a series of courses designed to provide the study of human diseases and disorders by organ system, using a lifespan approach from newborn to the elderly. Course includes epidemiology, etiology, history, clinical signs and symptoms, differential diagnosis, diagnosis, diagnostic studies, therapeutic management, prevention, and prognosis of disease in clinical medicine. Modules covered include rheumatology, HIV medicine, geriatrics, pediatrics, oncology, surgery, and emergency medicine. Emphasis will be on disease processes common to primary care practices using lecture, case study, and a problem-based learning approach.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

**PA 507 - Pharmacology I (2)**

This is the first in a series of three courses designed to provide the student with an understanding of the mechanisms by which drugs alter the function of living cells to relieve symptoms and physiologic manifestations of disease. This course will begin with an introduction to general principles of pharmacology, pharmacokinetics, and pharmacodynamics, and then concentrate expressly on the pharmacotherapeutics germane to the organ system modules covered in this trimester. At the end of the course, students will understand the general properties of drug categories and prototypical drugs used to treat diseases of these body systems and apply these pharmacologic concepts to clinical situations. Through lecture and case study, special emphasis will be placed on the development of problem-solving and medical decision-making skills as they relate to the clinical use of pharmacotherapeutics. This course will be a hybrid course of digital and on-campus learning.

Prerequisite: Admission to the Physician Assistant Studies program.

**PA 508 - Pharmacology II (2)**

This is the second in a series of three courses designed to provide the student with an understanding of the mechanisms by which drugs alter the function of living cells to relieve symptoms and physiologic manifestations of disease. This course will begin with an introduction to general principles of pharmacology, pharmacokinetics, and pharmacodynamics, and then concentrate expressly on the pharmacotherapeutics germane to the organ system modules covered in this trimester. At the end of the course, students will understand the general properties of drug categories and prototypical drugs used to treat diseases of these body systems and apply these pharmacologic concepts to clinical situations. Using lecture and case study, special emphasis will be placed on the development of problem-solving and medical decision-making skills as they relate to the clinical use of pharmacotherapeutics. This course will be a hybrid course of digital and on-campus learning.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

**PA 509 - Pharmacology III (2)**

This is the third in a series of three courses designed to provide the student with an understanding of the mechanisms by which drugs alter the function of living cells to relieve symptoms and physiologic manifestations of disease. This course will begin with an introduction to general principles of pharmacology, pharmacokinetics, and pharmacodynamics, and then concentrate expressly on the pharmacotherapeutics germane to the organ system modules covered in this trimester. At the end of the course, students will understand the general properties of drug categories and prototypical drugs used to treat diseases of these body systems and apply these pharmacologic concepts to clinical situations. Using lecture and case study, special emphasis will be placed on the development of problem-solving and medical decision-making skills as they relate to the clinical use of pharmacotherapeutics. This course will be a hybrid course of digital and on-campus learning.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

**PA 510 - Patient Assessment & Clinical Reasoning I (2.5)**

This is the first of two courses designed to develop the knowledge and skills required to elicit, perform, and document the complete medical history and physical exam with use of appropriate equipment, proper exam techniques, and accurate medical terminology. Students will learn the skills needed to recognize normal anatomy, normal anatomical variation, and disease states. The course will provide an overview of the medical record as well as development of writing and oral presentation skills. History-
PA 511 - Patient Assessment & Clinical Reasoning II (3)
This is the second of two courses designed to develop the knowledge and skills required to elicit, perform, and document the complete medical history and physical exam with use of appropriate equipment, proper exam techniques, and accurate medical terminology. Students will learn the skills needed to recognize normal anatomy, normal anatomical variation, and disease states. The course will provide an overview of the medical record as well as development of writing and oral presentation skills. History-taking, physical examination, clinical reasoning skill, and documentation skills will be developed through lecture and structured small group workshop exercises.
Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 512 - Diagnostic Medicine I (2.5)
This is the first of two courses designed to develop a functional understanding of the appropriate uses and interpretations of clinical diagnostic testing, to include serologic, microscopic studies and radiographic interpretation. Students will learn to select, interpret, and apply appropriate laboratory, imaging, and other diagnostic tests and determine clinical significance. Skills will be developed through lecture and structured small-group workshops.
Prerequisite: Admission to the Physician Assistant Studies program.

PA 513 - Diagnostic Medicine II (2.5)
This is the second of two courses designed to develop a functional understanding of the appropriate uses and interpretations of clinical diagnostic testing, to include serologic, microscopic studies, radiographic and EKG interpretation. Students will learn to select, interpret, and apply appropriate laboratory, imaging, and other diagnostic tests and determine clinical significance. EKG interpretation is taught in this course. Skills will be developed through lecture and structured small group workshops. This course will be a hybrid course of digital and on-campus learning.
Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 514 - Professional Practice (2)
This course is designed to discuss the role of the Physician Assistant in the context of the healthcare system, as well as issues pertaining to the Physician Assistant's practice of medicine within an interprofessional team. This course will include interpersonal skills and communication, history of the Physician Assistant profession, introduction to PA professional organizations, patient safety, and medical and professional ethics. Instruction for this course will consist of lectures, case studies, and small-group discussions. This course will be a hybrid course of digital and on-campus learning.
Prerequisite: Admission to the Physician Assistant Studies program.

PA 515 - Population Health & Wellness (2)
This course will reference leading health indicators for population health. Students will identify the most significant preventable threats to health, and will learn strategies for integrating risk reduction into patient care. Students will develop skills in the area of patient communication, patient education, interprofessional healthcare teams, and cultural diversity to address concepts of health promotion and disease prevention, and will focus on developing clinical skills toward maintaining or improving the wellness of patients and communities. Principles of Public Health and current issues will be addressed. Evidence-based recommendations for health promotion and disease prevention will be emphasized. Lectures and structured small group workshops will discuss the application of strategies for reducing health-risk behaviors.
Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 516 - Evidence-Based Practice (2.5)
This course will focus on evidence-based practice methodology including the necessary skills to search and critically analyze the medical literature. Included in the course material are fundamental concepts in sampling, study design, sample size and power estimates, bias, validity, confounding, hypothesis testing, and an overview of data types and statistical tests appropriate for clinical studies. Quantitative epidemiology approaches are presented such as incidence, prevalence, relative risk and odds ratio to determine evaluation of patient risk relative to medical conditions, and the efficacy of potential therapeutic approaches. Course will also cover analysis, interpretation, and application of various types of clinical articles to develop proficiency in utilizing current evidence-based practice to answer clinical questions relative to diagnosis and therapy. Instruction for this course will consist of lectures, structured faculty-led small groups, and journal clubs. This course will be a hybrid course of digital and on-campus learning.
Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 519 - Behavioral/Mental Health Medicine (2)
This course is designed to provide the study of human disease and disorders associated with mental and behavioral diseases, and introduces the special needs and care of the mental health patient with an emphasis on disease management with the ultimate goal of improving the functional status of individuals with mental health diseases. The student will also consider social, personal, and cultural attitudes toward mental illness. Course will be taught using lecture, case study, interviewing, and problem-based approach.
Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 520 - Primary Care Medicine (2)
This course is designed to provide the study of primary care, which is defined as the comprehensive first contact and continuing, coordinated care for persons with any undiagnosed sign, symptom, or health concern, not limited by problem origin (biological, behavioral, or social), organ system, or diagnosis. The focus will be on patient-centered, interprofessional, and cost-effective care, with an emphasis on disease processes and management common to primary care medicine. Course will be taught using lecture and case studies.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 521 - Clinical Skills & Procedures (2)

This course will prepare the student for the upcoming clinical year. The focus will be on procedures including sterile technique, venipuncture, IV placement, injections, airway management and endotracheal intubation, nasogastric tube placement, lumbar puncture, urinary bladder catheter insertion, bandaging, casting and splinting, local anesthesia, and wound management and closure. Instruction for this course will consist of lectures and structured small group clinical skills exercises.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 522 - Healthcare Delivery (1.5)

This course is designed to expose the student to current trends in the U.S. healthcare system. The focus of instruction will be given to healthcare delivery systems and policy, healthcare information systems, interprofessional healthcare teams, and healthcare outcomes. As the student transitions from the didactic to the clinical year, topics on patient safety, prevention of medical errors, risk management and quality improvement germane to clinical practice will be discussed. Instruction on financing healthcare, electronic medical records, reimbursement, coding and billing will also be taught in this course. Instruction for this course will consist of lectures, case studies, and online discussions. This course will be a hybrid course (digital learning and on-campus course).

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 523 - Medical Spanish (2)

This course is designed to improve students' communication in clinical situations with patients whose native language is Spanish. The focus of the instruction will be on learning basic conversational skills in order to elicit clinical histories, conduct physical examinations, and give instructions to Spanish-speaking patients. Instruction for this course will consist of lectures and class discussion.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 524 - Clinical Integration (2.5 Credit(s))

This course will introduce the student to the clinical setting. Students meet in small groups with clinical preceptors to discuss various aspects of patient care including: obtaining histories, physical findings, pathophysiology of disease, developing a differential diagnosis, formulating management plans, and practicing oral patient-presentations. Students will practice history-taking and physical exam skills, document histories and physical examination, and present findings to their clinical preceptors. Periodic classroom lectures are scheduled to review and develop clinical skills in addition to early clinical experiences.

Prerequisites: Successful completion of prior trimesters of PA coursework or program permission.

PA 521 - Clinical Skills & Procedures (2)

This course will prepare the student for the upcoming clinical year. The focus will be on procedures including sterile technique, venipuncture, IV placement, injections, airway management and endotracheal intubation, nasogastric tube placement, lumbar puncture, urinary bladder catheter insertion, bandaging, casting and splinting, local anesthesia, and wound management and closure. Instruction for this course will consist of lectures and structured small group clinical skills exercises.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 522 - Healthcare Delivery (1.5)

This course is designed to expose the student to current trends in the U.S. healthcare system. The focus of instruction will be given to healthcare delivery systems and policy, healthcare information systems, interprofessional healthcare teams, and healthcare outcomes. As the student transitions from the didactic to the clinical year, topics on patient safety, prevention of medical errors, risk management and quality improvement germane to clinical practice will be discussed. Instruction on financing healthcare, electronic medical records, reimbursement, coding and billing will also be taught in this course. Instruction for this course will consist of lectures, case studies, and online discussions. This course will be a hybrid course (digital learning and on-campus course).

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 521 - Clinical Skills & Procedures (2)

This course will prepare the student for the upcoming clinical year. The focus will be on procedures including sterile technique, venipuncture, IV placement, injections, airway management and endotracheal intubation, nasogastric tube placement, lumbar puncture, urinary bladder catheter insertion, bandaging, casting and splinting, local anesthesia, and wound management and closure. Instruction for this course will consist of lectures and structured small group clinical skills exercises.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 522 - Healthcare Delivery (1.5)

This course is designed to expose the student to current trends in the U.S. healthcare system. The focus of instruction will be given to healthcare delivery systems and policy, healthcare information systems, interprofessional healthcare teams, and healthcare outcomes. As the student transitions from the didactic to the clinical year, topics on patient safety, prevention of medical errors, risk management and quality improvement germane to clinical practice will be discussed. Instruction on financing healthcare, electronic medical records, reimbursement, coding and billing will also be taught in this course. Instruction for this course will consist of lectures, case studies, and online discussions. This course will be a hybrid course (digital learning and on-campus course).

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 523 - Medical Spanish (2)

This course is designed to improve students' communication in clinical situations with patients whose native language is Spanish. The focus of the instruction will be on learning basic conversational skills in order to elicit clinical histories, conduct physical examinations, and give instructions to Spanish-speaking patients. Instruction for this course will consist of lectures and class discussion.

Prerequisite: Successful completion of prior trimester of PA coursework or program permission.

PA 524 - Clinical Integration (2.5 Credit(s))

This course will introduce the student to the clinical setting. Students meet in small groups with clinical preceptors to discuss various aspects of patient care including: obtaining histories, physical findings, pathophysiology of disease, developing a differential diagnosis, formulating management plans, and practicing oral patient-presentations. Students will practice history-taking and physical exam skills, document histories and physical examination, and present findings to their clinical preceptors. Periodic classroom lectures are scheduled to review and develop clinical skills in addition to early clinical experiences.

Prerequisites: Successful completion of prior trimesters of PA coursework or program permission.
professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 605 - Orthopedics (5)
This five-week course will provide the PA student with experience in the out-patient and in-patient evaluation and management of common orthopedic problems. Students will gain experience in the preoperative, intraoperative and postoperative assessment and management of orthopedic conditions, their complications, and sequelae. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 606 - Mental/Behavioral Health (5)
This five-week clinical course will provide the PA student with a mental/behavioral medicine experience in caring for ambulatory and/or hospitalized patients with behavioral/mental health conditions. The student will perform basic psychiatric evaluations, monitor medications, and support the clinical management plan for patients. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 607 - Emergency Medicine (5)
This five-week clinical course provides the PA student with experience in triage, evaluation, and management of patients in the emergency department setting. The student will have the opportunity to learn skills necessary for appropriate triage, stabilization, evaluation, diagnosis, and management of patients with traumatic injuries and acute medical and surgical illnesses, as well as management of lower acuity health disorders. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 608 - Family Medicine (5)
This five-week clinical course provides the PA student with outpatient experience in evaluation of pediatric, adult, and geriatric patients, including preventive medicine/health and wellness promotion, and acute and chronic illness in a Family-Medicine setting. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 609 - Family Medicine/Primary Care (5)
This five-week clinical course provides the PA student with experience in Primary Care healthcare settings that may include outpatient, inpatient, urgent care, rural, low resource, and/or medically underserved populations. Depending on the clinical setting, evaluation of patients may include pediatric, adult, or geriatric patients; and include preventive medicine/health and wellness promotion, and management of acute and chronic illness. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 610 - Clinical Rotation Elective (5)
This five-week clinical course is selected by the student from a variety of surgical or medicine specialties, or subspecialties, such as Oncology, Cardiology, Dermatology, Hospitalist Medicine, Global Healthcare, etc. The student will be able to recognize conditions treated in these specialties and become aware of medical or surgical indications requiring referral to specialty care. Students will gain experience in professional communication with patients, patient families, and supervising physicians within an interprofessional healthcare team.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 611 - Masters Capstone Project Seminar (1)
This seminar will focus on preparing the student to begin the Masters Capstone Project (MCP). For the Community Service Learning component of the MCP, students in small teams working with a faculty advisor will select a community health issue and develop a Service Learning Project. For the Scholarly Paper component of the MCP, student will meet with the Director of Research and/or their faculty research advisor to identify a question on a clinical, global health, or PA education topic. Planning and timeline for the MCP will be developed, and student will also identify and meet with an appropriate external/community advisor for their topic.

Prerequisite: Completion of the preclinical year of Physician Assistant Studies or program permission.

PA 612 - Masters Capstone Project (5)
This course builds on first year courses (Evidence-Based Practice, Healthcare Delivery, and Population Health & Wellness) and is designed for the PA student to complete a Masters Capstone Project (MCP) under the guidance of a research advisor. There are four MCP Tracks: Clinical, Global Health, Community Outreach, and PA Education. Each student will choose one of these tracks to complete their MCP. Each student will identify a scholarly question on a clinical, global health, community health, or PA education topic, search and analyze the literature, then develop a scholarly paper of publishable quality in a peer-reviewed journal (i.e. JAAPA, Clinical Review, PA Professional, Journal of PA Education, etc.). In addition to writing a paper, each track will have the following Capstone deliverable: Clinical track — scholarly poster, Global
PAD 510 - Human Resource Management for Public Sector and Non-Profit Organizations (3)

An introduction to the knowledge and practical skills that public leaders need to strategically deploy human resources in government and non-profit organizations. Topics include managing teams, discrimination and labor law, working with unions, motivating employees, privatization, recruitment, the aging workforce, and performance evaluations. Particular emphasis is given to developing human resources practices that support core organizational mission and objectives.

PAD 515 - Data Analytics and Information Technology for the Public Sector (3)

An overview of the use and leveraging of data in order to allow government and nonprofit organizations to make better decisions and improve operations. Topics to be covered will include the concepts of data management and governance; the latest trends in terms of data-related technologies, tools, and practices; current challenges such as privacy and security; and developing data capacity and awareness.

PAD 520 - Public Policy and Law (3)

Legal decisions and the law have an impact on the creation and implementation of public policy. This course explores the relationship between laws and public policy and the impact court decisions have on policy formulation and implementation by government agencies.

PAD 599 - Capstone Seminar (3)

The capstone course is the culminating experience of the MPA and where students demonstrate mastery of the full range of competencies. During the capstone seminar, students work with a client in a public service or non-profit agency to identify a problem and write a paper to address the problem integrating what they have learned using the knowledge and skills acquired during the program.

PS - Psychology

PS 450 - Foundations of Applied Psychology (4)

This course is designed to provide those that did not major in psychology during their undergraduate study with a scientific foundation of psychology theory. It is a required prerequisite course that may be waived by the director if sufficient past coursework has been completed. A minimum grade of B is required to continue to PS 500.

PS 500 - Foundations of Applied Psychology (4)

This course focuses applying psychology to the workplace and community setting. There is additional focus on ethical and legal psychological issues, as well as emphasis on multiculturalism.
PS 520 - Developmental Issues Across the Lifespan (3)
This course will explore human development from childhood to old age, with a focus on developmental milestones and their influence on behavior in applied settings.

PS 525 - Identifying & Managing Psychopathology (3)
In this course, students learn to identify those at risk of psychopathology in the community and to determine appropriate management and referral of these individuals.

PS 530 - Personnel Psychology (3)
A prerequisite to PS 532 This course examines the application of psychological research, employment law, and ethical principles to human resource issues. Particular attention is given to hiring practices.

PS 531 - Organizational Behavior (3)
Explores behavior in organizations at individual, interpersonal, group, intergroup, and organizational levels of analysis. Emphasis is on identifying effective ways to achieve organizational goals.

PS 532 - Job Analysis, Competency Modeling, & Criterion Development (3)
Students will learn how to conduct job analysis and competency modeling and how to use the results for designing personnel selection systems and performance appraisal instruments.
Prerequisite: PS 530 Personnel Psychology.

PS 533 - Employee Training & Development (3)
Examines theory and techniques used to design, conduct, and evaluate instructional programs based on theories and principles of adult learning.

PS 540 - Foundations of Community Psychology (3)
This course considers the legal, ethical, and practical issues that arise when providing counseling in community settings and provides an overview of the entire process.

PS 541 - Theories of Counseling & Personality (3)
This class will cover the major approaches to personality and the schools of psychotherapy that have developed out of each. Students will critically evaluate each approach.

PS 542 - Counseling Methods & Techniques (3)
This class will teach students to recognize and apply basic counseling responses common across all approaches as well as those specific to each approach studied.

PS 543 - Community Health Psychology (3)
This course will examine the multidimensional field of community health psychology, developing student skills in advocacy, community organizing, health promotion, and social change regarding health.

PS 550 - Applied Research Methods & Statistics (4)
A prerequisite to PS 551 and 552
This course provides an overview of the basic principles of applied psychological research with a focus on conducting research in community settings.

PS 551 - Individual Psychological Assessment & Appraisal (3)
This course is designed to improve the knowledge, understanding, and practices of those who take tests, construct tests, and administer tests in applied settings.
Prerequisite: PS 550 Applied Research Methods & Statistics.

PS 552 - Program Development & Evaluation (3)
Students learn how to assess the need for and then design, implement, and evaluate a program that benefits the workplace or community.
Prerequisite: PS 550 Applied Research Methods & Statistics.

PS 590 - Comprehensive Exam (3)
In this course, the student completes an applied comprehensive exam that covers material from core and concentration courses.
Prerequisite: Completion of 36 (or 32 if PS 450 is waived) credits in graduate program.

PS 595 - Capstone Project I (3)
A prerequisite to PS 596
This course is dedicated to defining a short research or implementation project in an applied setting.
Prerequisite: Completion of 36 (or 32 if PS 450 is waived) credits in graduate program.

PS 596 - Capstone Project II (3)
Students either continue Capstone Project I or complete applied written assignments combining psychological theory with fieldwork hours, a case study, or another approved project.
Prerequisite: PS 595 Capstone Project I and faculty approval.

PS 599 - Special Topics in Applied Psychology (3)
Designates new or occasional courses that may or may not become part of the department's permanent offerings. Courses capitalize on current events or student and faculty interests. Course title is shown on the student's transcript.
Prerequisite: Completion of 36 (or 32 if PS 450 is waived) credits in graduate program.
PT - Physical Therapy

PT 611 - Structure & Function I (6)
This tutorial-based course covers the structure and function of the normal and impaired neurological system. Anatomy of the central, peripheral, and autonomic nervous systems are examined in the context of patient cases with common neurological pathology to understand the interactive effects of normal, pathological, developmental, or age-related and environmental influences on movement (including motor planning, motor control, and motor learning). Also included in this semester and tied to components of each course are several structured clinical or clinically-related exposures that serve as a mechanism for understanding clinical relevance of practice and patient care principles covered during the semester.

PT 612 - Structure & Function II (6)
This tutorial-based course covers the structure and function of the normal and impaired musculoskeletal system. Normal anatomy and biomechanics are examined in the context of patient cases with common musculoskeletal problems to understand the tissue and organ stressors (including environmental interaction, aging and disease processes) and resultant physiological responses that may then lead to or exacerbate pathology, impairment or dysfunction. Also included in this semester and tied to components of each course are several structured clinical or clinically-related exposures that serve as a mechanism for understanding clinical relevance of practice and patient care principles covered during the semester.

PT 621 - Examination & Documentation I (4)
This course presents conceptual models for clinical decision-making and expert practice for patients presenting with musculoskeletal dysfunction. Students are introduced to psychosocial, psychomotor, and communication aspects of interacting with patients and their families. Using tutorial-based cases, basic concepts in patient data collection from the patient interview to clinical tests and measures of the musculoskeletal system are presented, including assessment of: range of motion, inflammation, and pain. The implications of pharmacologic use and interactions on the musculoskeletal system and related structures are included also, as well as the role of assistive and adaptive devices in facilitating goal achievement.

PT 622 - Examination & Documentation II (5)
This course teaches the principles of examination, data collection, evaluation and clinical decision-making for patients with neurological conditions commonly treated by physical therapists. Using tutorial-based cases, basic concepts in patient data collection from the patient interview to the appropriate choice of clinical tests and measures are presented and discussed, including assessment of: movement and gait analysis, muscle tone, reflexes and reactions, postural control, balance, visual and auditory function, sensation, apraxia and dyspraxia, assistive devices, cranial nerves, oral-motor function, arousal, cognition, executive function, wheelchair prescription, motor planning and cerebellar function. Documentation of the examination data will be presented and practiced in class and tutorial sessions. Students are introduced to the concepts of evidence-based practice as they relate to the rationale for choices of outcome measures.

PT 631 - Evaluation & Intervention I (5)
This course includes interpretation and implications of patient history, patient goals, and examination data, including diagnostic imaging, evaluation of the patient with musculoskeletal problems, diagnosis of movement dysfunction, formulation of a prognosis, and formulation of an appropriate plan of care with specific interventions. The intervention options, the physiologic rationale, implications, and evidence for choices in the context of tutorial cases are discussed for impairment-level problems with strength, range of motion, inflammation, and pain. The implications of pharmacologic use and interactions on the musculoskeletal system and related structures are included also, as well as the role of assistive and adaptive devices in facilitating goal achievement.

PT 632 - Evaluation & Intervention II (6)
This course includes interpretation and implications of patient history, patient goals, and examination data, including diagnostic imaging, to evaluation of the patient with neurological problems, to diagnosis of movement dysfunction, to formulation of a prognosis, and formulation of an appropriate plan of care with specific interventions for the patient with neurological involvement in various physical therapy settings with consideration of best available evidence. The intervention options and implications for choices in the context of tutorial cases are discussed, for example, for problems with postural control/balance, ambulation/gait, and motor function. The implications of pharmacologic use and interactions on the nervous system and related structures are included also, as well as the role of assistive and adaptive devices in facilitating goal achievement.

PT 642 - Foundations in Evidence-Based Physical Therapy (2.0)
Research informs diagnostic, prognostic, examination and intervention practices in physical therapy. Evidence-based practice is defined as the integration of the best research evidence with clinical expertise and the patient’s unique set of values and circumstances. This course will explore the concepts and theories of research, the general principles of reliability and validity, research designs and methods used to categorize and analyze clinical data. Students will learn how to develop a searchable clinical question, search the evidence, critically appraise this evidence and integrate knowledge into evidence-based practice. The design of this course includes independent investigation of the applicability and quality of research designs including, but not
This tutorial-based course covers the in-depth structure and function of the normal and impaired cardiovascular, pulmonary and integumentary systems. Patient cases reflect issues encountered in managing medically complex patients encountered in all practice settings and include problems of the cardiovascular, peripheral vascular, pulmonary and integumentary systems, as well as multisystem disorders such as amputation, cancer, and frailty. The interactive effects of normal, pathological, developmental or age-related and environmental influences on the ability to perform activities of daily living and on response to exercise are considered. The implications of pharmacologic use and interactions on the relevant systems and on exercise tolerance are emphasized. Also included in this semester and tied to components of each course are several structured clinical or clinically-related exposures that serve as a mechanism for understanding clinical relevance of practice and patient care principles covered during the semester.

This tutorial-based course looks at clinical decision-making for the complex patient. Students will use the results of the clinical examination in order to determine physical therapy diagnosis, prognosis, goals, priorities and appropriate therapeutic interventions for patients with disorders affecting the cardiovascular, peripheral vascular, pulmonary and integumentary systems, patients with onologic disorders and for patients with multi-system involvement. The intervention options, rationales and implications for choices in these more complex patients will be considered. The impact of lifespan issues, family/cultural/societal support systems and expectations, and health care resource limitations will also be considered in the context of how these will affect evaluation, prognosis and intervention for a patient. Patient advocacy issues relative to obtaining equipment and support services will be included.

This tutorial-based course covers the structure and function of the normal and impaired axial skeleton and spinal dysfunction, TMJ, and spinal cord injury. Building on the foundational musculoskeletal, neurological, cardiac, pulmonary, and integumentary systems, as well as special tests and measurement options and rationales for assessing spinal dysfunction, genitourinary problems, mobility impairments, and environmental/ergonomic factors including functional capacity evaluations. The strengths and limitations of advanced technology-based procedures for obtaining examination data, including muscle performance and movement analysis, are introduced.

This three-day, all-day retreat provides students with the opportunity to explore fundamental issues of professionalism in physical therapy, patient communication and interaction, and professional ethics through readings, discussions, and small group activities. This seminar prepares students to enter full-time clinical education later in the summer.

This course uses tutorial-based cases to examine the roles and responsibilities of the physical therapist as a professional. Scope of
physical therapy practice is explored, including the role and responsibilities of other members of the health care team, responsibilities in referral to other health care professionals and in delegation to and supervision of support personnel. Ethical guidelines and conflicts are considered along with factors affecting patient, family and interprofessional communication. Patient and family educational issues are examined in the context of optimizing short and long-term outcomes.

**PT 743 - Grand Rounds I (3)**

In Grand Rounds, students work in small groups utilizing clinical case scenarios typical of patients with complex medical problems affecting multiple systems such as the cardiovascular, pulmonary, integumentary systems, musculoskeletal, neuromotor and immune systems. Using the ICF model as the guide for clinical decision-making, students apply an evidence-based analysis of the literature related to a specific clinical examination, evaluation, and intervention or management strategy for their assigned case. The culminating products of the semester are a paper and a professional presentation of the case and evidence-based findings to students and faculty. Pre-Requisite: PT642.

Prerequisite: Pre-Requisite: PT642.

**PT 744 - Grand Rounds II (3)**

Students work in small groups utilizing clinical case scenarios typical of patients with complex medical problems affecting the musculoskeletal and neurological systems. Students apply an evidence-based analysis of the literature related to a specific clinical examination, intervention, or management strategy. The culminating product of the semester is a professional presentation of the case and evidence-based findings to students and faculty.

**PT 752 - Clinical Experience II (5)**

This ten-week, full-time (40 hours/week) supervised clinical experience is expected to prepare students to work with more complex and multisystem-involved patients, as well as prepare the student to carry an independent caseload.

**PT 760 - Special Project I (3)**

Students begin research for a project that is a summative experience across course work to date. Students are presented with complex clinical cases from which key issues in examination or intervention are selected. Working in small groups, students review the research literature on their assigned case-related management issue. Using independent and self-directed learning, students: (1) assess the value of case and issue-related scientific literature to their clinical decision making and (2) choose, analyze and present the research articles chosen to best facilitate clinical decision-making. This major project demonstrates the students' ability to appropriately use research literature to guide clinical decision-making and practice, as well as their understanding of the role of research in advancing practice and contributing to the profession's body of knowledge. Pre-requisite PT 743.

Prerequisite: Pre-requisite PT 743.

**PT 825 - Contemporary Practice in Physical Therapy (13)**

This tutorial-based course includes environmental and ergonomic modifications as the means of optimizing home or workplace management, while focusing on the health care delivery system – the context in which practice exists, must function, and within which practice goals and objectives are established. Practice-based cases are used to develop an understanding of health care finance and financial decision-making (including an understanding of reimbursement issues, case-mix and cost-effectiveness issues, capitation/contractual issues, marketing). Trends in health care and health care finance are examined in the context of understanding the role of the physical therapist as an advocate for the patient and the profession. The function of and considerations relative to the physical therapist as a consultant to other practices, health care providers or a community is discussed. Quality assurance and program evaluation strategies are considered as elements of understanding current practice status, potential for new services and short and long-term practice planning strategies. Practice-based tutorial cases are used to prepare students for role competence in practice implementation issues. Practice-based cases are used to develop an understanding of the role of standardized patient examination data and patient/practice documentation systems (including employee assessment tools) in examining practice outcomes, administrative issues such as scheduling (patient and personnel), and cost-effectiveness issues around equipment/supplies. The role of documentation systems in contributing to the body of knowledge of the profession and generating financial data is explored. Personnel management and professional development concepts are introduced and applied in individual student activities.

**PT 845 - Professional Practice III (5)**

This course prepares students for roles of the physical therapist outside of the traditional single patient focus. It explores concepts of community outreach, implementation of wellness programming, and advanced or specialized intervention programs. Students work in small groups on a semester long community based service learning project with healthcare facilities, schools, or community agencies. Culmination of this project occurs at a formal Poster Presentation Evening where students present their work at the conclusion of the semester.

**PT 852 - Clinical Experience II (5)**

This 10-week full-time supervised clinical experience takes place in an environment that differs from the student's first affiliation and is expected to prepare students to work with more complex and multisystem-involved patients, as well as prepare the student to carry an independent caseload.

Distribution: Physical Therapy.

**PT 853 - Clinical Experience III (6)**

This 10-week full-time supervised clinical experience takes place in an environment that differs from the student's earlier clinical experiences and is expected to prepare students to work with more complex and multisystem-involved patients and to continue to round out the student's exposure to patient care. Students are exposed to and participate in practice administration for at least some period during this experience and in their final experience.
SLP 410 - Phonetics (3)

In this course, students learn to identify, classify, and transcribe the speech sounds (phonemes) of English, using the International Phonetic Alphabet for broad transcription. Variations among regional and cultural US dialects and their implications, as well as notation and practice of narrow transcription for typical and disordered speech will be introduced. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lab/lecture format.

SLP 411 - Anatomy & Physiology of Speech & Swallowing (3)

The purpose of this course is to familiarize students with the anatomy (structures) and physiology (processes) associated with speech, language, hearing, chewing, and swallowing. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lab/lecture format.

SLP 412 - Introduction to Audiology & Hearing Science (3)

This course presents an introduction to the psychophysics of sound, the anatomy and physiology of the hearing mechanism, and the practice of audiology. It covers the common pathologies of the auditory system, impact of hearing loss, types and characteristics of hearing impairment, conventional procedures used to assess hearing, interpretation of audiological test findings, and criteria for initiating audiological referrals. Issues of ethics, professional practice, licensing, and credentials for audiology practice will be reviewed. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lab/lecture format.

SLP 420 - Speech Science (3)

The purpose of this course is to provide a basic understanding of the production and perception of speech. Topics include the physics of sound, the acoustic properties of voice, resonance of the vocal tract, and the acoustic and articulatory properties of vowels and consonants, among others. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lab/lecture format.

SLP 430 - The Development of Language (3)

This course provides an understanding of normal child language development from infancy through the adolescent years, as well as the conditions and symptoms associated with disordered language development. The class will also provide some exposure to research on literacy and academic language acquisition, and language and literacy development for bilingual children. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lecture/discussion or service learning format.
SLP 440 - Neurological Bases of Communication & Swallowing. (3)

This course describes the development, anatomy, and physiology of the neurological system that underlies communication and swallowing and is a prerequisite for further study in medical speech, language, and swallowing disorders. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lab/lecture format.

SLP 450 - Introduction to Clinical Methods & Observation (3)

This course will orient students to clinical practicum, including the scope of assessment and intervention across the lifespan. It will include an overview of goal writing, lesson planning, writing SOAP notes, report writing, progress monitoring, and ethical conduct. Legislative, regulatory, and reimbursement issues that affect the practice of speech-language pathology in educational and medical settings will be presented. As part of this course, students will complete 25 hours of intensive observations in various educational and medical settings. Students taking this course at the graduate level will participate in activities designed to align with graduate student learning outcomes. Lecture/discussion format.

SLP 500 - Speech Sound Disorders (3)

The purpose of this course is to provide focused study of disordered speech-sound production including functional articulation disorders, phonological processing, and developmental apraxia of speech. Methods of assessment of articulation and phonological production, as well as a range of approaches to improving speech sound accuracy and intelligibility will be presented. Relations of phonological development to literacy will be emphasized. The impact of a range of genetic, motor, and cognitive disorders on speech sound production will be addressed. The impact of cultural and linguistic differences on speech sound development and disorders will be highlighted. Lecture/discussion/problem-based learning format.

Offered: Fall, Spring.

SLP 501 - Practicum Seminar I: Managing Behavior & Service Delivery (1)

The purpose of this course is to provide students with an opportunity to review and reflect on their clinical experiences in SLP 502, apply concepts from academic coursework to their clinical practice, master skills involved in clinical assessment and intervention, and focus on acquisition of skills in managing challenging behavior, writing appropriate short- and long-term objectives, participating in IEP and PPT processes, and communicating with paraprofessionals, colleagues, and families. A range of service delivery models for each clinical setting will be discussed. Seminar format.

Offered: Fall.

SLP 502 - Clinical Practicum I (4)

This course will provide supervised clinical experience in basic intervention procedures for children and/or adults. Discussion will focus on methods of addressing challenging behaviors, enhancing client motivation, and exploring the range of service delivery options for each clinical setting. Students will obtain approximately 40 clock hours of supervised clinical experience. Fieldwork format.

Offered: Fall.

SLP 503 - Practicum Seminar II: Using Evidence-based Reflective Practice (1)

The purpose of this course is to provide students with an opportunity to review and reflect on their clinical experiences in SLP 504, apply concepts from academic coursework to their clinical practice, master skills involved in clinical assessment and intervention, and focus on the process of establishing eligibility for services and using tests and other assessment tools to evaluate client present level of performance and progress in intervention. Seminar format.

Offered: Spring.

SLP 504 - Clinical Practicum II (4)

This course will provide supervised clinical experience in the assessment and treatment of speech, language, and/or swallowing disorders. Students will obtain approximately 40 clock hours of supervised assessment and intervention experience. Fieldwork format.

Offered: Spring.

SLP 505 - Practicum Seminar III: Recordkeeping & Documentation (1)

The purpose of this course is to provide students with an opportunity to review and reflect on their clinical experiences in SLP 506, apply concepts from academic coursework to their clinical practice, and master skills involved in clinical assessment and intervention. Discussion will focus on point of service and other models of documentation as well as electronic methods of clinical recordkeeping. Seminar format.

Offered: Summer.

SLP 506 - Clinical Practicum III (4)

This course will provide supervised clinical experience in the assessment and treatment of speech, language, and swallowing disorders of adults and/or children in a variety of settings. Students will obtain approximately 80-100 clock hours of supervised experience. Fieldwork format.

Offered: Summer.

SLP 507 - Practicum Seminar IV: Advanced Clinical Topics (1)

This practicum seminar will introduce topics including the specialized roles of the speech-language pathologist. Clinical and professional issues in speech-language pathology will be discussed, including ethical considerations, reimbursement issues, interprofessional collaboration, family-centered practice, and
cultural and linguistic differences. Resume writing and interviewing skills will also be discussed. Students will present clinical cases for input and discussion. Seminar format.

Offered: Fall, Spring.

SLP 508 - Clinical Practicum IV (6)
Students will participate in supervised clinical practice in the assessment and management of speech, language, and swallowing disorders, in a variety of specialized settings with children and/or adults. The course will provide approximately 100+ clock hours of supervised clinical practice. Fieldwork format.

Offered: Fall, Spring.

SLP 509 - Specialty Practicum VI (1-3)
Candidates complete a supervised clinical experience working in an educational, medical, or clinical setting, focusing on a specialty area of advanced study. This course will provide 20+ clock hours of supervised clinical practice. Fieldwork format.

Prerequisite: SLP 525: Topics in Cultural & Linguistic Diversity.
Offered: Summer.

SLP 510 - Language Disorders in Children Birth-Five (3)
This course provides theoretical and clinical information regarding the development, assessment, and treatment of spoken phonological, morphological, semantic, syntactic, and pragmatic disorders in infants, toddlers, and preschoolers. The impact of a range of medical conditions on communicative development will be discussed. Differences in approaches to infants/toddlers vs. preschoolers will be highlighted. Interprofessional activities regarding treatment of infants in the newborn intensive care unit will be included. The impact of cultural and linguistic differences will be discussed. The role of language development in literacy acquisition will be highlighted. Lecture/seminar/problem-based learning format.

Offered: Fall, Spring.

SLP 511 - Intensive Clinical Workshop in Adult Neurogenic Disorders (3)
This intensive fieldwork experience will provide students with supervised clinical experience of intensive, daily treatment for aphasia and related disorders, including individual work, group therapy and support, interprofessional service, and family counseling. This course will provide approximately 20 clock hours of supervised clinical practice. Fieldwork and seminar format.

Offered: Late Spring, Summer.

SLP 512 - Intensive Clinical Workshop in Speech & Voice Disorders (3)
This intensive fieldwork experience will provide students with the opportunity to work with clients with voice, resonance, articulation disorders, or foreign accents in an interprofessional clinical experience. Students will perform diagnostic assessments, plan and deliver individual and group therapy, provide family counseling, and engage in interprofessional clinical activities. This course will provide approximately 20 clock hours of supervised clinical practice. Fieldwork and seminar format.

SLP 513 - Intensive Clinical Workshop in Fluency Disorders (3)
This intensive fieldwork experience will provide students with the opportunity to work with clients with disorders of fluency. Students will perform diagnostic assessments, plan and deliver individual and group therapy, provide client and family counseling, and develop generalization activities. This course will provide approximately 15 clock hours of supervised clinical practice. Fieldwork and seminar format.

Offered: Summer.

SLP 514 - Assessment, Diagnosis & Eligibility (1)
This course will introduce students to methods of screening and diagnostic practice in speech-language pathology. Students will develop case-based assessment plans, review a range of assessment measures, practice giving tests, record and analyze language samples, and prepare diagnostic reports. Students will participate in screening, assessment and diagnostic activities in the form of role playing, standardized patient, simulation, and supervised clinical experiences. Lecture, laboratory and clinical practicum formats with be included.

Offered: Fall.

SLP 515 - Screening and Diagnostics II (1)
This course will provide students with experience in developing assessment plans, administering and scoring tests, writing clinical reports, and assigning diagnoses in speech-language pathology. Students will write assessment plans, analyze, compare and contrast assessment instruments, transcribe, analyze and interpret communication samples, administer a range of assessment instruments, write diagnostic reports in standardized patient, simulation and supervised clinical activities. Lecture, laboratory and clinical formats will be used.

Offered: Spring.

SLP 520 - Aural Rehabilitation (3)
The purpose of this course is to provide information regarding individuals who are deaf or hard of hearing, and to impart current methods used to identify and to treat hearing loss in the pediatric population, as well as focusing on the impact of hearing loss on the aging population. Topics to be covered include the identification and diagnosis of childhood hearing loss, pediatric aural (re)habilitation technologies and strategies, the impact of cochlear implants on communication and learning, the identification and diagnosis of hearing loss in the adult population, management of hearing devices and communication strategies, the impact of hearing loss on overall quality of life and considerations for the geriatric population. Lecture format.
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Offered: Summer.

SLP 525 - Topics in Cultural & Linguistic Diversity (3)

This is a seminar-style class based on reflection, discussion, and practical application. Topics include: Defining culture and cultural dimensions; intercultural communication; bilingual language development and disorders across the lifespan, assessment and intervention for culturally-linguistically diverse clients across the lifespan, and cultural implications on healthcare decisions.

Offered: Fall.

SLP 530 - Language and Literacy Disorders in School-aged Children and Adolescents (3)

This course focuses on curriculum and methods of determining eligibility and providing clinical services to children and adolescents with communication impairments in school settings (students in grades K-12 and those transitioning out of school). It presents an evidence-based exploration of language and learning, including the development of reading, writing, and spelling, defining their relationship to oral language. Methods of assessment and intervention of language and literacy problems and their impact on academic achievement for school-aged children and adolescents will be presented and applied. The course emphasizes the role of the school SLP in collaborating in scientific research-based interventions (SRBI), the Planning and Placement Team (PPT), and individualized education program (IEP) processes, as well as the integration of curriculum (e.g., CT Common Core State Standards) in SLP intervention. The roles of cultural, ethnic, gender, and linguistic differences will be highlighted.

Lecture/discussion/problem-based learning format.

Offered: Fall, Spring.

SLP 530T - Language and Literacy Disorders in School-aged Children and Adolescents Tutorial (0)

This tutorial is associated with SLP 530: Language and Literacy Disorders in School-aged Children and Adolescents. Students will participate in weekly Problem-Based Learning tutorial groups.

Offered: Fall, Spring.

SLP 540 - Adult Neurogenic Disorders I (3)

Theoretical issues, neurogenic bases, definitions, symptomatology, etiology, prognosis, recovery, differential diagnosis, and treatment of adult neurogenic language disorders including aphasia and motor speech disorders will be addressed. The impact of cultural and linguistic differences will be highlighted.

Lecture/seminar/problem-based learning format.

Offered: Fall, Spring.

SLP 550 - Dysphagia (3)

The course will review normal anatomy and physiology of swallowing, as well as pediatric development. Etiologies of dysphagia in pediatric and adult populations will be presented, including the role of neural, respiratory and digestive systems and abnormalities in each that may cause dysphagia. Specific information on instruments and methods to evaluate and manage adults and infants with dysphagia, as well as counseling, will be stressed. Emphasis will be placed on evidence-based and culturally-sensitive practices. Lecture/seminar format.

Offered: Fall, Spring.

SLP 550T - Dysphagia Tutorial (0)

This course is associated with SLP 550: Dysphagia. Students will participate in a weekly Problem-Based Learning tutorial groups.

Offered: Fall, Spring.

SLP 560 - Adult Neurogenic Disorders II (3)

This course continues the study of adult neurogenic language disorders, focusing on traumatic brain injury and cognitive communication disorders. Theoretical issues, neurogenic bases, definitions, symptomatology, etiology, prognosis, recovery, differential diagnosis, and treatment will be addressed. Ethical issues in the treatment of neurogenic disorders will be discussed. Lecture/discussion/problem-based learning format.

Offered: Fall, Spring.

SLP 570 - Introduction to Research & Evidence-Based Practice (3)

The purpose of this course is to familiarize students with the research process in the behavioral sciences and specifically, the field of communication sciences and disorders. The goal is for students to become informed consumers of research in order to engage in clinical practice with an understanding of research methodologies, design, and methods, as well as ethical issues in research. The integration of research principles into evidence-based clinical practice will be highlighted. Lecture/discussion format.

Offered: Fall.

SLP 580 - Disorders of Fluency (3)

This course aims to provide the knowledge and clinical skills necessary for speech-language pathology practice in the area of fluency disorders. Course content will include the genetic, behavioral, affective, and cognitive components involved in the development of dysfluency; differential diagnosis among stuttering, cluttering, and neurogenic fluency disorders; assessment protocols for fluency disorders in children, youth, and adults; age-appropriate treatment approaches for individuals who stutter, and an understanding of the impact cultural and linguistic differences as well as the effects of dysfluency upon human communication. 3 credits; Lecture/seminar format.
SLP 585 - Voice & Velopharyngeal Disorders (3)

This course presents the anatomy, physiology, and embryology of the head and neck involved in the onset, development and maintenance of disorders of the voice as well as structural malformations of the palate and velopharynx in children and adults. Assessment procedures for speech, resonance, and velopharyngeal dysfunction are illustrated with case studies, and no-tech, low-tech, and high-tech treatment procedures are covered in detail. Best practices for preventing and treating voice and resonance disorders in medical and educational setting will be emphasized. Lecture/laboratory format.

Offered: Fall, Spring.

SLP 600 - Autism, AAC, & Severe Disabilities of Communication (3)

This course addresses the assessment and treatment of severe disorders affecting communication, including autism, cerebral palsy, and genetic syndromes, with and without intellectual disability. The use of a range of assistive technologies including voice output communication aids and consumer electronic devices will be emphasized. The impact of cultural and linguistic diversity on these disorders will be highlighted. Relations to literacy will be emphasized. Lecture/discussion/problem-based learning format.

Offered: Fall.

SLP 601 - Practicum Seminar V: Team-Based Practice in School Settings (1)

The purpose of this course is to provide students with an opportunity to review and reflect on their student teaching experiences in SLP 602, apply concepts from academic coursework to their clinical practice, master skills involved in clinical assessment and intervention, explore evidence-based approaches to their clinical work, reflect on issues of teaching and learning in schools for children with communication disorders, and to develop independence in planning and implementing programs for school-aged children. A primary focus of this course will be on developing team-based practice patterns for school settings. Seminar format.

Offered: Fall, Spring.

SLP 602 - Student Teaching (6-9)

The purpose of this course is to provide students with an SLP student clinical experience in a public school placement. Students are expected to apply coursework to their clinical practice, master skills, and gain experience involved in being an SLP in a public school setting. The focus of the clinical practicum is working directly with school-aged children who have communication disorders, as well as clinical experience being an interactive member of a school staff and PPS team. Students will accrue at least 100 direct service clinical hours Fieldwork format.

Offered: Spring.

SLP 610 - Medical Speech-Language Pathology (3)

This elective course allows students to pursue advanced, intensive study of the practice of speech-language pathology in a medical setting. The course will be tailored to the interests of participating students. Seminar format.

Offered: Spring.

SLP 611 - Special Topics in Communication Disorders (3)

This course allows students to pursue in-depth, advanced study of a topic chosen to attain a certificate of advanced study, in a student-led seminar setting. Topics available include autism, medical speech-language pathology, and English-language learners' literacy. Course will be tailored to the interests of participating students. Seminar format.

Offered: Summer.

SLP 680 - Education of Students with Autism Spectrum Disorders (3)

This course focuses on understanding the unique needs of learners with autism, the identification, as well as methods of meeting their education needs in classroom settings, with interprofessional input from several disciplines that work with children with ASD. Issues surrounding inclusion are considered, as well as inclusive practices, models, and strategies. Additional aims of this course are to supply participants with the knowledge and skills necessary to support the learning of children with autism spectrum disorders including instructional strategies, classroom organization, and teaming with families and professionals, as well as to lay a strong foundation for interprofessional practice in educational settings for students from the participating disciplines. Seminar format.

SLP 690 - Speech-Language Pathology Capstone (3)

Students will participate in a seminar project such as identifying a clinical case from their experience, identifying a relevant intervention for this case, researching the evidence base for the intervention, and preparing a detailed written report of the evidence for the intervention in which they discuss their evaluation of the level of evidence-both external and internal-available for the practice, describe additional research that would be needed to increase the level of evidence, and discuss what their review of the evidence would lead them to do about their original client and others with similar strengths and needs that they may encounter in their practice. Students will give "grand rounds" oral presentations of their projects and submit a written account of their project in the format of a scholarly paper.

Offered: Spring.

SLP 699 - Advanced Topics in Communication Disorders (3)

This course will address advanced topics in speech-language pathology, as part of study toward a Specialty Certificate. Students will participate in a participant-led seminar in which emerging topics in the field of study are researched and presented, and
evidence-based practice strategies are identified and demonstrated. Topics to be addressed include pediatric medical practice, practice with students with severe communication disorders, and relations between language and literacy. Seminar format.

Offered: Summer.

**SW - Social Work**

**SW 524 - Human Diversity & Social Justice (3.00 Credit(s))**
This course provides students with the framework for understanding how diversity characterizes and shapes the human experience and is critical to the formation of identity.

Distribution: Social Work. Offered: Fall Semester All Years.

**SW 535 - School Social Work (3.00 Credit(s))**
This course develops knowledge and skills for school social work.

Distribution: Social Work. Offered: All Semesters All Years.

**SW 540 - Mental Health and Addiction (3.00 Credit(s))**
This course develops knowledge and skills for working with client systems experiencing mental health and addiction issues within an integrated practice context.

Distribution: Social Work. Offered: All Semesters All Years.

**SW 550 - Loss and Life Transition (3.00 Credit(s))**
This course develops knowledge and skills for working with client systems experiencing transition and loss across the life cycle within an integrated systems context.

Distribution: Social Work. Offered: All Semesters All Years.

**SW 555 - Children and Families (3.00 Credit(s))**
This course develops knowledge and skills for working with working with children, youth, and families within an integrated practice context.

Distribution: Social Work. Offered: All Semesters All Years.

**SW 565 - Social Welfare Policy and Services (3.00 Credit(s))**
This first course in the two-course policy sequence is designed to help students examine policy as a major component of social work practice. Through learning achieve in this course, students are expected to participate actively with others in creating new, modified, or improved service, resource, and opportunity systems.


**SW 566 - Social Welfare as a Social Institution (3.00)**
Framework for understanding 1) social policy and process which is formulated, implemented and analyzed; 2) inequalities and inequities in social welfare as policy manifestations of institutionalized racism and sexism; 3) impact and interaction of policy with service delivery networks delivering services and resources.

Prerequisite: SW 565

Distribution: Social Work. Prerequisite: SW 565 SOCIAL WELFARE POLICY & SERVICES. Offered: Fall All Semesters.

**SW 567 - Human Behavior & Social Environment I (3.00 Credit(s))**
The purpose of this first semester of a two-semester course sequence is to develop fully the notion of interchange between the individual and those systems that make up his/her environment. In exploring the environmental determinants of human behavior, the student is introduced to the study of individuals, families, groups, communities, and organizations, and the influences that those systems produce upon social interaction and adaptive behavior.


**SW 570 - Inter-Professional Education (3.00 Credit(s))**
This course is designed to develop inter-professional collaboration skills among multiple disciplines to prepare social workers to practice in a variety of settings including health care.

Distribution: Social Work. Offered: All Semesters All Years.

**SW 568 - Human Behavior & Social Environment II (3.00 Credit(s))**
The second course of a two-semester sequence intended to provide students with the theoretical resources and beginning skills necessary for identification of human problems, concerns, or needs, and differential assessment of situations in which people need help. The focus will include the biological, sociological, cultural, psychological, and spiritual development of individuals throughout the life span.

Prerequisite: SW 567


**SW 575 - Social Work Generalist Practicum I (3.00 Credit(s))**
This course emphasizes the generalist model of social work practice, the use of systems theory, the strengths perspective and professional values and skills to facilitate the planned change and problem-solving process.


**SW 576 - Social Work Generalist Practicum II (3.00 Credit(s))**
Emphasizes the generalist model of social work practice, the use of system theory, the strengths perspective and professional values and skills to facilitate the planned change and problem-solving process. This semester focuses on families and group

**Prerequisite:** SW 575

**Distribution:** Social Work. Offered: All Semesters.

**SW 578 - Generalist Field Practicum I (3.00 Credit(s))**

The field placement focuses on the development of knowledge, values, skills, and cognitive/effective process within generalist framework.

**Co-requisite:** SW 579

**Distribution:** Social Work. Corequisite: Integrative seminar for Generalist Practicum I. Offered: All Semesters.

**SW 579 - Generalist Field Practicum Seminar I (0.00 Credit(s))**

Integrative seminar for Generalist Practicum I.

**Co-requisite:** SW 578

**Distribution:** Social Work. Corequisite: SW 578. Offered: All Semester.

**SW 580 - Generalist Field Practicum II (3.00 Credit(s))**

The field placement focuses on the development of knowledge, values, skills, and cognitive/effective process within generalist framework.

**Prerequisite:** SW 578

**Co-requisite:** SW 581

**Distribution:** Social Work. Prerequisite: Take SW 578. Offered: All Semesters.

**SW 581 - Generalist Field Practicum Seminar II (0.00 Credit(s))**

Integrative seminar for Generalist Practicum II.

**Prerequisite:** SW 579

**Co-requisite:** SW 580

**Distribution:** Social Work. Prerequisite: Take SW 579. Offered: All Semesters.

**SW 585 - Assessment of Client Systems (3.00 Credit(s))**

Assessment strategies for all systems to understand inter-systems perspective, influence system for cause formulation in change efforts.

**Distribution:** Social Work. Offered: Fall Semester All Years.

**SW 586 - Clinical Assessment and Diagnosis (3.00 Credit(s))**

This course focuses on assessment and diagnosis of individuals & utilizes frameworks that place individuals within the context of their environment. Biopsychosocial-spiritual, cultural, and human diversity influences will be utilized for understanding mental health conditions.

**Prerequisite:** SW 585

**Distribution:** Social Work. Prerequisite: SW 585 Assessment of Client Systems. Offered: All Semesters All Years.

**SW 587 - Community Assessment (3.00 Credit(s))**

This course examines and develops strategic skills in the interaction between person and environment and creating organizational and community change in order to better meet the needs of diverse populations.

**Prerequisite:** SW 585

**Distribution:** Social Work. Prerequisite: SW 585 Assessment of Client Systems. Offered: All Semesters All Years.

**SW 590 - Methods of Social Work Research (3.00 Credit(s))**

This course covers the development of research skills for evaluation and enhancement of social work practice. Emphasizes research designs, sampling, practice evaluation, program evaluation, measurement instruments, and basic statistics.

**Distribution:** Social Work. Offered: All Semesters.

**SW 591 - Research Practicum (3.00 Credit(s))**

This course enables students to further develop research knowledge through experiential learning allowing the student to implement and participate in a research study relevant to the social work profession. Students will work with their seminar instructor and field instructor to implement research methodology in line with the field placement.

**Prerequisite:** SW 590

**Distribution:** Social Work. Offered: All Semesters.

**SW 675 - Specialized Practice I (3)**

Focus on specialized social work practice skills development working with client systems in direct clinical or direct community practice.

**Prerequisite:** SW 576
SW 676 - Specialized Practice II (3.00 Credit(s))
This is the second of a two-semester course focusing on specialized social work practice skills development working with client systems in direct clinical or direct community practice. A capstone is completed during the two semesters of this course.

Prerequisite: SW 675

SW 678 - Specialized Field Practicum I (3.00 Credit(s))
Two-semester course where students will participate in approved, advanced, social work field placement.

Prerequisite: SW 580

Co-requisite/s: SW 679

SW 679 - Specialized Field Seminar I (0.00 Credit(s))
Integrative Seminar for Specialized Practicum I

Prerequisite: SW 581

Co-requisite/s: SW 678

SW 680 - Specialized Field Practicum II (3.00 Credit(s))
Two-semester course where students will participate in approved, specialized, social work field placement.

Prerequisite: SW 678

Co-requisite/s: SW 681

SW 681 - Specialized Field Seminar II (0.00 Credit(s))
Integrative Seminar for Specialized Practicum II

Prerequisite: SW 679

Co-requisite/s: SW 680

SW 682 - Specialized Field Practicum III (3.00 Credit(s))
Two-semester course where students will participate in approved, advanced, social work field placement.

Prerequisite: SW 680

Co-requisite/s: SW 681

SW 683 - Specialized Field Seminar III (0.00 Credit(s))
Integrative Seminar for Specialized Practicum III

Prerequisite: SW 681

Co-requisite/s: SW 682
WGB - Business Administration

WGB 518 - Introduction to Business Statistics (3.00 Credit(s))

This course employs extensive use of data and statistical methods to support and improve organizational decision-making. Topics include data visualizations, descriptive statistics, probability distributions, sampling, confidence intervals, hypothesis testing, regression analysis, and the use of computer software for statistical applications. The primary focus will be on the flexibility of the analysis, and the ability to present the results in an intuitive and understandable manner for greater organizational impact. The ethical issues related to big data will also be discussed.

WGB WGB 519 - Introduction to Economics (3.00 Credit(s))

Basic concepts and analytical techniques from micro- and macroeconomics, including supply and demand, price determination, market structures, fiscal policy, and the monetary system and policy. With a financial perspective, the course will also cover issues related to international economics including foreign direct investment, comparative advantage, and determinants of exchange rates.

WGB WGB 520 - Introduction to Economics and Statistics (3.00 Credit(s))

Key topics in statistics and economics will be covered. Economic topics include supply, demand, market equilibrium price and quantity, elasticity, economic cost, economies of scale, perfect competition, monopoly, monopolistic completion, and oligopoly. In addition, macroeconomic terminology of GDP, inflation and unemployment, the basics of the aggregate supply and aggregate demand model, fiscal policy, monetary policy, and the role of exchange rates will be covered. Statistics topics include an introduction to statistical capabilities of excel, graphical descriptive techniques, numerical descriptive techniques, and simple linear regression analysis.

WGB 521 - Fundamentals of Management (3.00 Credit(s))

Using a framework of managerial roles and competencies, this course explores what management involves, how it affects people within an organization, why it is critical to the effective functioning of an organization, and how the accomplishment of management functions may vary in different cultural contexts. The course surveys competencies and knowledge necessary for successfully facing current challenges in the rapidly changing global business environment.

- WGB-600

WGB WGB 602 - Corporate Financial & Management Accounting (3)

Provides an introduction to both accounting and information systems with a focus on the preparation and interpretation of financial statements and the effective planning, implementation, and integration of information technology.

WGB 603 - Financial Management (3)

Provides an introduction to three key areas in finance-financial markets, financial management, and valuation-focusing on how capital is effectively raised and invested in a value-based management framework. Topics include: analysis of firm performance using financial ratios and other measures, techniques to assess new opportunities and to redesign or improve product lines, projects or corporate investments, an introduction to global capital markets, the relationship between risk and return, determinants of a firm's cost of raising capital, and the basic factors impacting the value of financial securities.

WGB 604 - Business Competencies I (3)

This competency-based course will provide students with a solid understanding of the fundamental theories and principles in key business disciplines and will provide students with business skills to perform in a modern business organization. Upon successful completion of this course, students will demonstrate competencies in business writing, business presentation, design-thinking, and talent management.

WGB 605 - Business Competencies II (3)

This competency-based course will provide students with a solid understanding of the fundamental theories and principles in key business disciplines and will provide students with business skills to perform in a modern business organization. Upon successful completion of this course, students will demonstrate competencies in business disciplines including Marketing, Supply Chain Management, and Management of Information Systems.

WGB 606 - EFFECTIVE BUS. WRITING & PRESENTATION (3.00 Credit(s))

This course teaches business and finance students to write clear, concise English in a direct, substantive, & action-oriented style. Assignments will focus on problem identification, analysis, and solutions using rhetorical strategies appropriate to a business audience. Each class will concentrate on a writing-related theme, including format, research, rhetorical strategies, and mechanics. Students will write an initial personal assessment of their academic and professional goals and their strengths and weaknesses. Assignments will include a case analysis; a company analysis as a Power-Point presentation; and a goals and professional development statement. In class writing will allow students to practice their writing and presentation skills in a low-stakes, supportive environment and to benefit from peer and instructor feedback. Students will be evaluated on their ability demonstrate coherence, conciseness, clarity, and correctness in their assignments and on their ability to apply specific rhetorical techniques suited to a defined audience and purpose.

Distribution: Management. Offered: Fall, Spring & Late Spring Sem All Years.

WGB 612 - Leading & Influencing with Integrity (3)
Leaders and managers at all levels in organizations must influence others to enable achievement of the organization's objectives. Leading and influencing with integrity requires understanding of one's self, other people, the situational and cultural context, as well as both current and future impacts of actions taken. Through course learning experiences students develop individual and organizational strategies to influence others, shape culture, manage change, negotiate, and facilitate employee engagement and performance so that their organizations can contribute to society in ways that are effective, responsible, and sustainable.

WGB 614 - Social & Legal Responsibilities in Business (3)

Sustainable organizational practices require managers to pay attention to the economic, environmental and social impact of organizational strategies and actions. This course focuses on ethical and legal issues that organizations and individual managers face in achieving triple bottom-line sustainability. Ethical decision-making frameworks provide principles for dealing with challenges posed by technology, globalization, and societal changes and for fulfilling personal as well as corporate social responsibility. Legal topics survey business regulation and processes, forms of business organizations, intellectual property, and commercial transactions.

WGB 640 - Dynamic Business Management I (5)

Organizational success relies on effectively leading and managing holistically across many disciplines. The integrated core takes a process-based approach to present fundamental knowledge on accounting, finance, management, marketing, operations, and strategy. Classroom discussions are team taught with multiple professors and senior professional experts using real-life business simulations. This course follows the process of developing new business sources including new products and services. The viewpoint is from the top of the organization and how organizational leaders allocate resources.

Prerequisite: WGB 600, WGB 602 and WGB 603.

WGB 641 - Dynamic Business Management II (5)

Organizational success relies on effectively leading and managing holistically across many disciplines. The integrated core takes a process-based approach to present fundamental knowledge on accounting, finance, management, marketing, operations, and strategy. Classroom discussions are team taught with multiple professors and senior professional experts using real-life business simulations. This course takes an operational viewpoint. This includes the examination of processes involving order management, planning and budgeting, performance measurement, and talent management.

WGB 650 - Strategic Integration (6)

Organizational success relies on effectively leading and managing holistically across many disciplines. This course takes a process-based approach to integrate fundamental knowledge of Marketing, Finance, Accounting, Supply Chain Management, Information Technology, International Business, and Human Resource Management based on a Strategic Management platform. Classroom discussions are team taught with multiple professors, senior professionals, and experts using real-life business simulations.

WGB 691 - Welch Competency Demonstration & Implementation (3)

This is the capstone course of the MBA program. Through the action-learning consulting project, cases, readings, and experiential exercises, students hone their management skills and make presentations to business practitioners, non-profit executives, and faculty. Seminar topics cover corporate strategy, leadership, and sustainability. Students prepare a personal and professional self-development plan.

Prerequisite: WGB 640 Dynamic Business Management I and WGB 641 Dynamic Business Management II.

WGB 699 - Special Topics (1.00-3.00)

Distribution: Management.
Addresses

Fairfield - Main Campus
5151 Park Avenue
Fairfield, CT 06825

Fairfield - Center for Healthcare Education Campus
4000 Park Avenue
Bridgeport, CT 06606

Fairfield - Frank and Marisa Martire Business and Communications Center
Corner of Park Avenue and Jefferson Street
Fairfield, CT 06825

Fairfield - Sheila Hamilton Student Success Center
Park Avenue
Bridgeport, CT 06606

Fairfield - Maureen Hamilton Wellness Center
4980 Park Avenue
Bridgeport, CT 06606

Fairfield - West Campus
3135 Easton Turnpike
Fairfield, CT 06825

Dingle Campus
Green Street
Dingle, Co. Kerry
Ireland

Great River Golf Club
130 Coram Lane
Milford, CT 06461

Griswold Campus
at Griswold High School
267 Slater Avenue
Griswold, CT 06351

Luxembourg Campus
7 Rue Alcide de Gasperi
L-2981 Luxembourg

St. Vincent's College at Sacred Heart University - Hunting Street Building
75 Hunting Street
Bridgeport, CT 06606

St. Vincent's College at Sacred Heart University - Main Street Building
Procedures for Individuals Claiming Unlawful Discrimination or Harassment

Claims of harassment or discrimination are: (1) claims of violation of the University’s nondiscrimination policy and (2) claims of violations of the University policy in opposition to harassment.

The following complaint procedure has been established to ensure prompt and effective investigation into allegations of discrimination or harassment.

An individual who believes that he/she has been discriminated against, including being harassed, may report the situation to the Executive Director for Human Resources who serves as the primary University officer responsible for Title VI, Section 504 of the Rehabilitation Act and the Age Discrimination Act. In the absence of the Executive Director or if the complaint is against the Executive Director, the report may be made to the Vice President for Human Resources or any vice president of the University.

Reports/complaints are to be filed within ninety (90) calendar days of the incident or within ninety calendar days of the time that the individual reasonably becomes aware of the incident (note: this filing period may be extended for good cause). For Title IX complaints, reports should be made to the Title IX Coordinator, Leonora Campbell.

The report can be written or oral and should consist of the following:

- the specific conduct objected to,
- the date(s) and time(s) such conduct took place,
- the name(s) of the alleged harasser(s) or person(s) believed to be discriminating against the filer,
- the location(s) where the conduct occurred,
- the name(s) of any witness(es),
- action sought to remedy the situation,
- and any other details or information requested by the Executive Director or his/her designee.

In addition, the individual should provide any documentation (e-mails, notes, pictures, etc.) or other information in support of the allegation of discrimination or harassment.

Informal Procedure

Any individual who believes that he/she has been unlawfully harassed or discriminated against may, if he/she chooses to, attempt to resolve the situation through a discussion with the other party. If that is not practical, the individual should consult with the Executive Director for Human Resources, who serves as the officer responsible for such complaints, or his/her designee. The purpose of this consultation is multifold.

The Executive Director or his/her designee will provide information and assistance to help the individual assess whether or not the behavior is harassing or discriminatory, will explain the University’s grievance procedure, and provide guidance regarding the investigative procedure. There is no requirement that an informal resolution must be attempted by the complainant.

The individual may also request the Executive Director or his/her designee to attempt to facilitate a resolution of the grievance informally after investigating the matter. If the individual desires an informal resolution, the Executive Director or his/her designee will attempt to provide an informal resolution within twenty (20) working days of the receipt of the request.

Investigation of Complaints

Upon receipt of a complaint or report, a prompt investigation will take place in a confidential manner so as to disclose information only to those who have a need to know or those who may have pertinent information. The respondent and witnesses will be interviewed. Disclosure of the complainant’s name will be made if in the judgment of the investigator it is necessary to the investigation. The investigation will be kept as confidential as possible without compromising the investigation.

The Executive Director or his/her designee (the investigator) will determine whether there is a reasonable basis for the complaint. At the conclusion of this stage of the investigation the investigator will report his/her conclusions to the complainant in writing with the resolution of the complaint. The investigation should be completed within thirty (30) working days of the complaint filing unless extended for reasonable cause.

The investigation may be delayed during the period of an attempted informal resolution should the complainant desire it.

If it is determined that discrimination or harassment has occurred, the University will take action to stop the violation, prevent a recurrence, and correct any discriminatory effect. Such action may include counseling, warning, disciplinary action, termination of employment, or expulsion.

A confidential record of the proceedings will be maintained in a private file in the office of the investigator.

If a complainant is dissatisfied with the resolution because the investigation was not conducted as described above or due to the discovery of evidence not reasonably available during the investigation, he/she may request a review by the vice president of the University division within which the discrimination was claimed to have occurred. If the complaint involves that vice president, the President of the University or his/her designee shall conduct the review.

The request for review must be made within ten (10) working days of the notice of the result of the investigation. The review by the vice president must be completed within thirty (30) working days and submitted in writing either sustaining the investigation result or reopening the investigation for further consideration if the investigation was not conducted as described above or due to the discovery of evidence not reasonably available during the investigation. The decision on the review shall be final.

State and Federal Rights

The complainant may at any time file a complaint with the Department of Education, Office for Civil Rights, or other applicable
federal or state agency for the enforcement of federal or state laws within the jurisdiction of such agency.

Timelines

Working days are days when the administrative offices of the University are regularly open for business; weekends, holidays, snow days, and days the University is closed shall not be counted as working days.

Personnel

Executive Director for Human Resources
Ms. Julia Nofri, 203-365-4837
Coordinator for Section 504 of the Rehabilitation Act and the Age Discrimination Act

Title IX Coordinator
Ms. Leonora Campbell, 203-396-8386

Provost/Vice President for Academic Affairs
Dr. Rupendra Paliwal, 203-371-7851
Assistant Provost for Teaching and Learning
Dr. Steven Michels, 203-396-8032

Senior Vice President for Finance and Administration
Michael J. Kinney, 203-371-7872

Senior Vice President for Enrollment Planning and Student Affairs
James Barquinero, 203-365-4763

Vice President for University Advancement
William Reidy, 203-396-8086

Vice President for Marketing and Communications
Michael Iannazzi, 203-371-7899

Vice President for Human Resources
Robert Hardy, 203-365-7676

Vice President for Finance
Philip McCabe, 203-371-7934

Vice President for Information Technology and Security
Michael Trimble, 203-365-7555
University Directory & Contact Information

All University departments, faculty and staff contact information is available on the University website

http://www.sacredheart.edu/facultystaffdirectory/

A listing of the University's Board of Trustees is available on the University website

http://www.sacredheart.edu/aboutshu/schoolleadership/

Emeriti Faculty

Edward J. Bordeau
Professor Emeritus
Religious Studies
Ph.B., University of Montreal
MA, Ph.D., Fordham University

Donald W. Brodeur
Professor Emeritus
Psychology
BS, MS, Ph.D., Fordham University

Stephen A. Brown
Professor Emeritus
Management
BA, University of Massachusetts
MA, University of Rhode Island
Ed.D., Boston University

Ralph L. Corrigan, Jr.
Professor Emeritus
English
BA, Iona College
MA, Ph.D., Fordham University

Thomas Curran
Professor Emeritus
History
B.A., University of Delaware
M.A., M.Phil., Ph.D., Columbia University

Angela DiPace
Professor Emerita
English
BA, Quinnipiac College
MA, State University of New York at Binghamton
Ph.D., Washington State University

Edward Donato
Professor Emeritus
History
BA, MA, Providence College

Michael J. Emery

Professor Emeritus
Physical Therapy and Human Movement Science
BS, MA, Ed.D., University of Vermont

Rawlin A. Fairbaugh
Professor Emeritus
Management
BA, Washington and Jefferson University
MBA, New York University
Ed.D., University of Bridgeport

Ramzi N. Frangul
Professor Emeritus
Economics and Finance
BA, University of Baghdad, Iraq
MS, Loyola University of Chicago
Ph.D., New York University

Thomas V. Forget
Professor Emeritus
Educational Administration
B.A., M.A., Ph.D. Fordham University

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BS, Massachusetts Institute of Technology
MS, Columbia University
OPS, Pace University

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A.B., University of Rochester
M.A., Ph.D., University Of Illinois

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MFA, Pratt Institute

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MBA, Hofstra University

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Professor Emeritus
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BA, Cathedral College
STB, The Catholic University of America
MS.Ed., Iona College
Ph.D., St. John's University

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Professor Emeritus
History
Vice President, Public Affairs
BA, University of Bridgeport
MA, University of Pennsylvania
6th Yr. Certificate, University of Bridgeport

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Professor Emeritus
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BA, Wesleyan University
MA, Ph.D., University of Massachusetts

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Professor Emerita
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MA, St. John's University

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Professor Emerita
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MS, Binghamton University

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Teacher Education
Associate Professor Emerita
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Ph.D., University of Connecticut

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Professor Emerita
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MS, Ph.D., University of Connecticut
DPT, MGH Institute of Health Professions

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Clinical Assistant
Professor Emerita
Teacher Education
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MA, Fairfield University
Ph.D., New York University

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Professor Emerita
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MA, Western Connecticut State College
Ph.D., University of Connecticut

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Professor Emerita
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BS, Central Connecticut State College
MS, Fairfield University

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Professor Emeritus
Music
BM, MM, University of Kansas

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Professor Emerita
Biology
BS, College of Mount St. Vincent
MS, Fordham University
Ph.D., University of Connecticut

Paul Siff
Professor Emeritus

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BA, Brooklyn College
Ph.D., University of Rochester

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Professor Emerita
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MA, 6th Year, Fairfield University

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MA, University of Virginia
Ph.D., University of Massachusetts

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MA, Social Institute Leo XIII
Ph.D., University of Madrid, Spain

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Professor Emerita
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BA, Agnes Scott College
MLS, University of Maryland
MA, Ph.D., Columbia University

Constance E. Young
Professor Emerita
Nursing
BS, Burbank Hospital School of Nursing and State College at Fitchburg
MA, Ed.D., Teachers College, Columbia University

Virginia F. Zic
Professor Emerita
Art and Design
Ph.B., DePaul University
MA, Villa Schiffanoia Graduate School of Fine Arts, Italy
MFA, Syracuse University
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